

# University of Virginia School of Medicine

Department of Neurosurgery, School of Medicine, University of [Virginia](#), [Charlottesville](#), 22908, [USA](#).

<https://med.virginia.edu/neurosurgery/>

---

Chatrath A, Mastorakos P, Mehta GU, Wildeman M, Moosa S, Jane JA Jr. [Ganglioglioma](#) Arising from the [Septum Pellucidum](#): [Case Report](#) and [Review](#) of the [Literature](#). *Pediatr Neurosurg*. 2019 Jan 8:1-10. doi: 10.1159/000495043. [Epub ahead of print] PubMed PMID: 30620941.

1: Passias PG, Jalai CM, Worley N, Vira S, Scheer JK, Smith JS, Ramachandran S, Soroceanu A, Horn SR, Poorman GW, Protopsaltis TS, Klineberg EO, Sciubba DM, Kim HJ, Hamilton DK, Lafage R, Lafage V, Ames CP; INTERNATIONAL SPINE STUDY GROUP (ISSG). Development of New-Onset Cervical Deformity in Nonoperative Adult Spinal Deformity Patients With 2-Year Follow-Up. *Int J Spine Surg*. 2018 Dec 21;12(6):725-734. doi: 10.14444/5091. eCollection 2018 Dec. PubMed PMID: 30619677; PubMed Central PMCID: PMC6314348.

2: Klein AP, Tetzlaff JE, Bonis JM, Nelson LD, Mayer A, Huber DL, Harezlak J, Mathews VP, Ulmer JL, Sinson GP, Nencka AS, Koch KM, Wu YC, Saykin AJ, DiFiori JP, Giza CC, Goldman J, Guskiewicz KK, Mihalik J, Duma SM, Rowson S, Brooks A, Broglio SP, McAllister T, McCrea M, Meier T. Prevalence of potentially clinically significant MRI findings in athletes with and without sport-related concussion. *J Neurotrauma*. 2019 Jan 8. doi: 10.1089/neu.2018.6055. [Epub ahead of print] PubMed PMID: 30618331.

3: Goyal N, Tsivgoulis G, Malhotra K, Katsanos AH, Pandhi A, Alsherbini KA, Chang JJ, Hoit D, Alexandrov AV, Eliyovich L, Fiorella D, Nickele C, Arthur AS. Minimally invasive endoscopic hematoma evacuation vs best medical management for spontaneous basal-ganglia intracerebral hemorrhage. *J Neurointerv Surg*. 2019 Jan 7. pii: neurintsurg-2018-014447. doi: 10.1136/neurintsurg-2018-014447. [Epub ahead of print] PubMed PMID: 30617144.

4: Hou BL, Wen S, Katsevman GA, Liu H, Urhie O, Turner RC, Carpenter J, Bhatia S. MRI Parameters and Their Impact on the Survival of Patients with Glioblastoma: Tumor Perfusion Predicts Survival. *World Neurosurg*. 2018 Dec 26. pii: S1878-8750(18)32908-5. doi: 10.1016/j.wneu.2018.12.085. [Epub ahead of print] PubMed PMID: 30593971.

5: Johnson DR, Kaufmann TJ, Patel SH, Chi AS, Snuderl M, Jain R. There is an exception to every rule-T2-FLAIR mismatch sign in gliomas. *Neuroradiology*. 2018 Dec 18. doi: 10.1007/s00234-018-2148-4. [Epub ahead of print] PubMed PMID: 30565056.

6: Neal CJ, Mandell K, Tasikas E, Delaney JJ, Miller CA, Schlaff CD, Rosner MK. Cost-effectiveness of adult spinal deformity surgery in a military healthcare system. *Neurosurg Focus*. 2018 Dec 1;45(6):E11. doi: 10.3171/2018.9.FOCUS18381. PubMed PMID: 30544310.

7: Yang J, Khalifé M, Lafage R, Kim HJ, Smith J, Shaffrey CI, Burton DC, Ames CP, Mundis GM Jr, Hostin R, Bess S, Klineberg EO, Hart RAA, Schwab FJ, Lafage V; International Spine Study Group (ISSG). What Factors Predict the Risk of Proximal Junctional Failure in the Long Term, Demographic, Surgical or Radiographic? Results from a Time-Dependent ROC Curve. *Spine (Phila Pa 1976)*. 2018 Dec 11. doi: 10.1097/BRS.0000000000002955. [Epub ahead of print] PubMed PMID: 30540721.

8: Hsu SPC, Yeh CC, Chou YC, Shih CC, Hu CJ, Cherng YG, Chen TL, Liao CC. Stroke risk and outcomes in epilepsy patients: Two retrospective cohort studies based on National Health Insurance in Taiwan. *Atherosclerosis*. 2018 Nov 23;280:147-154. doi: 10.1016/j.atherosclerosis.2018.11.009. [Epub ahead of print] PubMed PMID: 30521995.

9: Miller LE, Urban JE, Kelley ME, Powers AK, Whitlow CT, Maldjian JA, Rowson S, Stitzel JD. Evaluation of Brain Response During Head Impact in Youth Athletes Using an Anatomically Accurate Finite Element Model. *J Neurotrauma*. 2018 Nov 29. doi: 10.1089/neu.2018.6037. [Epub ahead of print] PubMed PMID: 30489208.

10: Rad A, Altunoglu U, Miller R, Maroofian R, James KN, Çağlayan AO, Najafi M, Stanley V, Boustany RM, Yeşil G, Sahebzamani A, Ercan-Sencicek G, Saeidi K, Wu K, Bauer P, Bakey Z, Gleeson JG, Hauser N, Gunel M, Kayserili H, Schmidts M. MAB21L1 loss of function causes a syndromic neurodevelopmental disorder with distinctive cerebellar, ocular, craniofacial and genital features (COFG syndrome). *J Med Genet*. 2018 Nov 28. pii: jmedgenet-2018-105623. doi: 10.1136/jmedgenet-2018-105623. [Epub ahead of print] PubMed PMID: 30487245.

11: Jamshidi AO, Beer-Furlan A, Prevedello DM, Sahyouni R, Elzoghby MA, Safain MG, Carrau RL, Jane JA, Laws ER. A modern series of subdiaphragmatic craniopharyngiomas. *J Neurosurg*. 2018 Oct 1:1-6. doi: 10.3171/2018.4.JNS172330. [Epub ahead of print] PubMed PMID: 30485192.

12: Amirian ES, Ostrom QT, Armstrong GN, Lai RK, Gu X, Jacobs DI, Jalali A, Claus EB, Barnholtz-Sloan JS, Il'yasova D, Schildkraut JM, Ali-Osman F, Sadetzki S, Jenkins RB, LaChance DH, Olson SH, Bernstein JL, Merrell RT, Wrensch MR, Johansen C, Houlston RS, Scheurer ME, Shete S, Amos CI, Melin B, Bondy ML. Aspirin, Non-Steroidal Anti-Inflammatory Drugs (NSAIDs), and Glioma Risk: Original Data from the Glioma International Case-Control Study and a Meta-Analysis. *Cancer Epidemiol Biomarkers Prev*. 2018 Nov 27. pii: cebp.0702.2018. doi: 10.1158/1055-9965.EPI-18-0702. [Epub ahead of print] PubMed PMID: 30482874.

13: Zhang L, Yang G, Johnson BN, Jia X. Three-dimensional (3D) printed scaffold and material selection for bone repair. *Acta Biomater*. 2018 Nov 24. pii: S1742-7061(18)30702-5. doi: 10.1016/j.actbio.2018.11.039. [Epub ahead of print] Review. PubMed PMID: 30481607.

14: Asher AL, Devin CJ, Weisenthal BM, Pennings J, Khan I, Archer KR, Sivaganesan A, Chotai S, Bydon M, Nian H, Harrell FE Jr, McGirt MJ, Mummaneni P, Bisson EF, Shaffrey C, Foley KT; for QOD Vanguard Sites. Effect of Modified Japanese Orthopedic Association Severity Classifications on Satisfaction with Outcomes 12-months after Elective Surgery for Cervical Spine Myelopathy. *Spine (Phila Pa 1976)*. 2018 Nov 20. doi: 10.1097/BRS.0000000000002946. [Epub ahead of print] PubMed PMID: 30475334.

15: Passias PG, Oh C, Horn SR, Kim HJ, Hamilton DK, Sciubba DM, Neuman BJ, Buckland AJ, Poorman GW, Segreto FA, Bortz CA, Brown AE, Protosaltis TS, Klineberg EO, Ames C, Smith JS, Lafage V; International Spine Study Group. Predicting the occurrence of complications following corrective cervical deformity surgery: Analysis of a prospective multicenter database using predictive analytics. *J Clin Neurosci*. 2019 Jan;59:155-161. doi: 10.1016/j.jocn.2018.10.111. Epub 2018 Nov 17. PubMed PMID: 30459012.

16: Bortz CA, Passias PG, Segreto FA, Horn SR, Lafage R, Smith JS, Line BG, Mundis GM Jr, Kelly MP, Park P, Sciubba DM, Hamilton DK, Gum JL, Burton DC, Hart RA, Schwab FJ, Bess S, Shaffrey C, Klineberg EO; International Spine Study Group. Grading of Complications After Cervical Deformity-corrective Surgery: Are Existing Classification Systems Applicable? *Clin Spine Surg*. 2018 Nov 16. doi:

10.1097/BSD.0000000000000748. [Epub ahead of print] PubMed PMID: 30451785.

17: Rush B, Celi LA, Stone DJ. Applying machine learning to continuously monitored physiological data. *J Clin Monit Comput*. 2018 Nov 11. doi: 10.1007/s10877-018-0219-z. [Epub ahead of print] Review. PubMed PMID: 30417258.

18: Sheth SA, Malhotra K, Liebeskind DS, Liang CW, Yoo AJ, Jahan R, Nogueira RG, Pereira V, Gralla J, Albers G, Goyal M, Saver JL. Regional Contributions to Poststroke Disability in Endovascular Therapy. *Interv Neurol*. 2018 Oct;7(6):533-543. doi: 10.1159/000492400. Epub 2018 Sep 3. PubMed PMID: 30410533; PubMed Central PMCID: PMC6216699.

19: Hernandez A, Tan C, Plattner F, Logsdon AF, Pozo K, Yousuf MA, Singh T, Turner RC, Luke-Wold BP, Huber JD, Rosen CL, Bibb JA. Exposure to mild blast forces induces neuropathological effects, neurophysiological deficits and biochemical changes. *Mol Brain*. 2018 Nov 9;11(1):64. doi: 10.1186/s13041-018-0408-1. PubMed PMID: 30409147; PubMed Central PMCID: PMC6225689.

20: Yang I, Udawatta M, Prashant GN, Preet K, Mekonnen M, Duong C, Sheppard JP, Nguyen T, Bloch O, Jensen R, Sheehan J, Kalkanis S, Warnick RE. Commentary: Stereotactic Radiosurgery Training for Neurosurgery Residents: Results of a Survey of Residents, Attendings, and Program Directors by the American Association of Neurological Surgeons/Congress of Neurological Surgeons Section on Tumors. *Neurosurgery*. 2019 Jan 1;84(1):E86-E91. doi: 10.1093/neuros/nyy514. PubMed PMID: 30407565.

21: Yang I, Udawatta M, Prashant GN, Lagman C, Bloch O, Jensen R, Sheehan J, Kalkanis S, Warnick R. Stereotactic Radiosurgery for Neurosurgical Patients: A Historical Review and Current Perspectives. *World Neurosurg*. 2018 Nov 3. pii: S1878-8750(18)32500-2. doi: 10.1016/j.wneu.2018.10.193. [Epub ahead of print] Review. PubMed PMID: 30399473.

22: Lehrer EJ, Peterson JL, Zaorsky NG, Brown PD, Sahgal A, Chiang VL, Chao ST, Sheehan JP, Trifiletti DM. Single versus multifraction stereotactic radiosurgery for large brain metastases: An international meta-analysis of 24 trials. *Int J Radiat Oncol Biol Phys*. 2018 Nov 2. pii: S0360-3016(18)33927-0. doi: 10.1016/j.ijrobp.2018.10.038. [Epub ahead of print] PubMed PMID: 30395902.

23: Deliberato RO, Serpa Neto A, Komorowski M, Stone DJ, Ko SQ, Bulgarelli L, Rodrigues Ponzoni C, de Freitas Chaves RC, Celi LA, Johnson AEW. An Evaluation of the Influence of Body Mass Index on Severity Scoring. *Crit Care Med*. 2018 Nov 1. doi: 10.1097/CCM.0000000000003528. [Epub ahead of print] PubMed PMID: 30395555.

24: Zuckerman SL, Lim J, Lakomkin N, Than KD, Smith JS, Shaffrey CI, Devin CJ. Effect of Resident and Fellow Involvement in Adult Spinal Deformity Surgery. *World Neurosurg*. 2018 Nov 1. pii: S1878-8750(18)32433-1. doi: 10.1016/j.wneu.2018.10.135. [Epub ahead of print] PubMed PMID: 30391619.

25: Passias PG, Poorman GW, Lafage V, Smith J, Ames C, Schwab F, Shaffrey C, Segreto FA, Horn SR, Bortz CA, Varlotta CG, Hockley A, Wang C, Daniels A, Neuman B, Hart R, Burton D, Javidan Y, Line B, LaFage R, Bess S, Sciubba D; ISSG. Cervical Versus Thoracolumbar Spinal Deformities: A Comparison of Baseline Quality-of-Life Burden. *Clin Spine Surg*. 2018 Dec;31(10):413-419. doi: 10.1097/BSD.0000000000000743. PubMed PMID: 30371600.

26: Deer TR, Grider JS, Pope JE, Falowski S, Lamer TJ, Calodney A, Provenzano DA, Sayed D, Lee E, Wahezi SE, Kim C, Hunter C, Gupta M, Benyamin R, Chopko B, Demesmin D, Diwan S, Gharibo C, Kapural L, Kloth D, Klagges BD, Harned M, Simopoulos T, McJunkin T, Carlson JD, Rosenquist RW, Lubenow TR, Mekhail N. The MIST Guidelines: The Lumbar Spinal Stenosis Consensus Group Guidelines for Minimally Invasive Spine Treatment. *Pain Pract*. 2018 Oct 27. doi: 10.1111/papr.12744.

[Epub ahead of print] PubMed PMID: 30369003.

27: Stemper BD, Shah AS, Harezlak J, Rowson S, Mihalik JP, Duma SM, Riggen LD, Brooks A, Cameron KL, Campbell D, DiFiori JP, Giza CC, Guskiewicz KM, Jackson J, McGinty GT, Svoboda SJ, McAllister TW, Broglio SP, McCrea M; CARE Consortium Investigators. Comparison of Head Impact Exposure Between Concussed Football Athletes and Matched Controls: Evidence for a Possible Second Mechanism of Sport-Related Concussion. *Ann Biomed Eng*. 2018 Oct 22. doi: 10.1007/s10439-018-02136-6. [Epub ahead of print] PubMed PMID: 30362082.

28: Green GA, Porter KP, Conte S, Valadka AB, Soloff L, Curriero FC. Preventing Concussions From Foul Tips and Backswings in Professional Baseball: Catchers' Perceptions of and Experiences With Conventional and Hockey-Style Masks. *Clin J Sport Med*. 2018 Oct 23. doi: 10.1097/JSM.0000000000000679. [Epub ahead of print] PubMed PMID: 30358617.

29: Lioutas VA, Goyal N, Katsanos AH, Krogias C, Zand R, Sharma VK, Varelas P, Malhotra K, Paciaroni M, Sharaf A, Chang J, Karapanayiotides T, Kargiotis O, Pappa A, Mai J, Pandhi A, Schroeder C, Tsantes A, Mehta C, Kerro A, Khan A, Mitsias PD, Selim MH, Alexandrov AV, Tsivgoulis G. Clinical Outcomes and Neuroimaging Profiles in Nondisabled Patients With Anticoagulant-Related Intracerebral Hemorrhage. *Stroke*. 2018 Oct;49(10):2309-2316. doi: 10.1161/STROKEAHA.118.021979. PubMed PMID: 30355114.

30: Crawford CH 3rd, Glassman SD, Carreon LY, Shaffrey CI, Koski TR, Baldus CR, Bridwell KH. Prevalence and Indications for Unplanned Reoperations Following Index Surgery in the Adult Symptomatic Lumbar Scoliosis NIH-Sponsored Clinical Trial. *Spine Deform*. 2018 Nov - Dec;6(6):741-744. doi: 10.1016/j.jspd.2018.04.006. PubMed PMID: 30348353; PubMed Central PMCID: PMC6201302.

31: Pratali RR, Smith JS, Motta MM, Rocha RD, Herrero CFPS. Letter to the Editor Regarding "Development of the Portuguese Version of the Modified Japanese Orthopaedic Association Score: Cross-Cultural Adaptation, Reliability, Validity, and Responsiveness". *World Neurosurg*. 2018 Nov;119:454. doi: 10.1016/j.wneu.2018.07.160. PubMed PMID: 30347575.

32: Chelliah MP, Do HM, Zinn Z, Patel V, Jeng M, Khosla RK, Truong MT, Marqueling A, Teng JMC. Management of Complex Arteriovenous Malformations Using a Novel Combination Therapeutic Algorithm. *JAMA Dermatol*. 2018 Nov 1;154(11):1316-1319. doi: 10.1001/jamadermatol.2018.3039. PubMed PMID: 30326494; PubMed Central PMCID: PMC6248124.

33: Rottgers SA, Syed HR, Jodeh DS, Jeelani Y, Yang E, Meara JG, Proctor MR. Craniometric Analysis of Endoscopic Suturectomy for Bilateral Coronal Craniosynostosis. *Plast Reconstr Surg*. 2019 Jan;143(1):183-196. doi: 10.1097/PRS.00000000000005118. PubMed PMID: 30325899.

34: Zhang Y, Liao C, Qu H, Huang S, Jiang H, Zhou H, Abrams E, Habte FG, Yuan L, Bertram EH, Lee KS, Pauly KB, Buckmaster PS, Wintermark M. Testing Different Combinations of Acoustic Pressure and Doses of Quinolinic Acid for Induction of Focal Neuron Loss in Mice Using Transcranial Low-Intensity Focused Ultrasound. *Ultrasound Med Biol*. 2019 Jan;45(1):129-136. doi: 10.1016/j.ultrasmedbio.2018.08.023. Epub 2018 Oct 8. PubMed PMID: 30309748; PubMed Central PMCID: PMC6289648.

35: Giacobbi P Jr, Cushing P, Popa A, Haggerty T, Hansell A, Sedney C. Mobile Health (mHealth) Use or Non-Use by Residents of West Virginia. *South Med J*. 2018 Oct;111(10):625-627. doi: 10.14423/SMJ.0000000000000879. PubMed PMID: 30285270.

36: Touzé E, Southerland AM, Boulanger M, Labeyrie PE, Azizi M, Bouatia-Naji N, Debette S, Gornik HL, Hussain SM, Jeunemaitre X, Joux J, Kirton A, Le Hello C, Majersik JJ, Mocco J, Persu A, Sharma A, Worrall BB, Olin JW, Plouin PF. Fibromuscular Dysplasia and Its Neurologic Manifestations: A Systematic Review. *JAMA Neurol*. 2018 Oct 1. doi: 10.1001/jamaneurol.2018.2848. [Epub ahead of print] PubMed PMID: 30285053.

37: Protopsaltis T, Terran J, Soroceanu A, Moses MJ, Bronsard N, Smith J, Klineberg E, Mundis G, Kim HJ, Hostin R, Hart R, Shaffrey C, Bess S, Ames C, Schwab F, Lafage V; INTERNATIONAL SPINE STUDY GROUP. T1 Slope Minus Cervical Lordosis (TS-CL), the Cervical Answer to PI-LL, Defines Cervical Sagittal Deformity in Patients Undergoing Thoracolumbar Osteotomy. *Int J Spine Surg*. 2018 Aug 15;12(3):362-370. doi: 10.14444/5042. eCollection 2018 Jun. PubMed PMID: 30276093; PubMed Central PMCID: PMC6159736.

38: Segreto FA, Lafage V, Lafage R, Smith JS, Line BG, Eastlack RK, Scheer JK, Chou D, Frangella NJ, Horn SR, Bortz CA, Diebo BG, Neuman BJ, Protopsaltis TS, Kim HJ, Klineberg EO, Burton DC, Hart RA, Schwab FJ, Bess S, Shaffrey CI, Ames CP, Passias PG; International Spine Study Group. Recovery Kinetics: Comparison of Patients undergoing Primary or Revision Procedures for Adult Cervical Deformity Using a Novel Area Under the Curve Methodology. *Neurosurgery*. 2018 Sep 28. doi: 10.1093/neuros/nyy435. [Epub ahead of print] PubMed PMID: 30272188.

39: Kumbhare D, Palys V, Toms J, Wickramasinghe CS, Amarasinghe K, Manic M, Hughes E, Holloway KL. Nucleus Basalis of Meynert Stimulation for Dementia: Theoretical and Technical Considerations. *Front Neurosci*. 2018 Sep 3;12:614. doi: 10.3389/fnins.2018.00614. eCollection 2018. PubMed PMID: 30233297; PubMed Central PMCID: PMC6130053.

40: Cyprus GN, Overlin JW, Vega RA, Ritter AM, Olivares-Navarrete R. Spatial regulation of gene expression in nonsyndromic sagittal craniosynostosis. *J Neurosurg Pediatr*. 2018 Dec 1;22(6):620-626. doi: 10.3171/2018.6.PEDS18229. PubMed PMID: 30215585.

41: Lumba-Brown A, Yeates KO, Sarmiento K, Breiding MJ, Haegerich TM, Gioia GA, Turner M, Benzel EC, Suskauer SJ, Giza CC, Joseph M, Broomand C, Weissman B, Gordon W, Wright DW, Moser RS, McAvoy K, Ewing-Cobbs L, Duhaime AC, Putukian M, Holshouser B, Paulk D, Wade SL, Herring SA, Halstead M, Keenan HT, Choe M, Christian CW, Guskiewicz K, Raksin PB, Gregory A, Mucha A, Taylor HG, Callahan JM, DeWitt J, Collins MW, Kirkwood MW, Ragheb J, Ellenbogen RG, Spinks TJ, Ganiats TG, Sabelhaus LJ, Altenhofen K, Hoffman R, Getchius T, Gronseth G, Donnell Z, O'Connor RE, Timmons SD. Diagnosis and Management of Mild Traumatic Brain Injury in Children: A Systematic Review. *JAMA Pediatr*. 2018 Nov 1;172(11):e182847. doi: 10.1001/jamapediatrics.2018.2847. Epub 2018 Nov 5. PubMed PMID: 30193325.

42: Lumba-Brown A, Yeates KO, Sarmiento K, Breiding MJ, Haegerich TM, Gioia GA, Turner M, Benzel EC, Suskauer SJ, Giza CC, Joseph M, Broomand C, Weissman B, Gordon W, Wright DW, Moser RS, McAvoy K, Ewing-Cobbs L, Duhaime AC, Putukian M, Holshouser B, Paulk D, Wade SL, Herring SA, Halstead M, Keenan HT, Choe M, Christian CW, Guskiewicz K, Raksin PB, Gregory A, Mucha A, Taylor HG, Callahan JM, DeWitt J, Collins MW, Kirkwood MW, Ragheb J, Ellenbogen RG, Spinks TJ, Ganiats TG, Sabelhaus LJ, Altenhofen K, Hoffman R, Getchius T, Gronseth G, Donnell Z, O'Connor RE, Timmons SD. Centers for Disease Control and Prevention Guideline on the Diagnosis and Management of Mild Traumatic Brain Injury Among Children. *JAMA Pediatr*. 2018 Nov 1;172(11):e182853. doi: 10.1001/jamapediatrics.2018.2853. Epub 2018 Nov 5. PubMed PMID: 30193284.

43: Buchlak QD, Kowalczyk M, Leveque JC, Wright A, Farrokhi F. Risk stratification in deep brain stimulation surgery: Development of an algorithm to predict patient discharge disposition with 91.9% accuracy. *J Clin Neurosci*. 2018 Nov;57:26-32. doi: 10.1016/j.jocn.2018.08.051. Epub 2018 Aug 28.

PubMed PMID: 30170951.

44: Pai FY, Chen CJ, Wang WH, Yang HC, Lin CJ, Wu HM, Lin YC, Chen HS, Yen YS, Chung WY, Guo WY, Pan DH, Shiau CY, Lee CC. Low-Dose Gamma Knife Radiosurgery for Acromegaly. *Neurosurgery*. 2018 Aug 29. doi: 10.1093/neuros/nyy410. [Epub ahead of print] PubMed PMID: 30169716.

45: Kang J, Hosogane N, Ames C, Schwab F, Hart R, Burton D, Shaffrey C, Smith JS, Bess S, Lafage V, Cho KJ, Ha Y. Diversity in Surgical Decision Strategies for Adult Spine Deformity Treatment: The Effects of Neurosurgery or Orthopedic Training Background and Surgical Experience. *Neurospine*. 2018 Dec;15(4):353-361. doi: 10.14245/ns.1836086.043. Epub 2018 Aug 29. PubMed PMID: 30157582.

46: Ostrom QT, Kinnersley B, Armstrong G, Rice T, Chen Y, Wiencke JK, McCoy LS, Hansen HM, Amos CI, Bernstein JL, Claus EB, Eckel-Passow JE, Il'yasova D, Johansen C, Lachance DH, Lai RK, Merrell RT, Olson SH, Sadetzki S, Schildkraut JM, Shete S, Rubin JB, Andersson U, Rajaraman P, Chanock SJ, Linet MS, Wang Z, Yeager M; GliomaScan consortium, Houlston RS, Jenkins RB, Wrensch MR, Melin B, Bondy ML, Barnholtz-Sloan JS. Age-specific genome-wide association study in glioblastoma identifies increased proportion of 'lower grade glioma'-like features associated with younger age. *Int J Cancer*. 2018 Nov 15;143(10):2359-2366. doi: 10.1002/ijc.31759. Epub 2018 Sep 19. PubMed PMID: 30152087; PubMed Central PMCID: PMC6205887.

47: Chen CJ, Chuang TY, Hansen L, Dutta S, Ding D, Buell TJ, Ironside N, Patibandla MR, Southerland AM, Worrall BB, Kalani MYS. Predictors of 30-day mortality after endovascular mechanical thrombectomy for acute ischemic stroke. *J Clin Neurosci*. 2018 Nov;57:38-42. doi: 10.1016/j.jocn.2018.08.044. Epub 2018 Aug 23. PubMed PMID: 30145087.

48: Lee CC, Chou CL, Chen CJ, Yang HC, Wu HM, Shiau CY, Pan DH, Chung WY. Stereotactic radiosurgery for hypervascular intracranial tumors. *J Neurooncol*. 2018 Dec;140(3):547-558. doi: 10.1007/s11060-018-2980-8. Epub 2018 Aug 20. PubMed PMID: 30128688.

49: Ostrom QT, Coleman W, Huang W, Rubin JB, Lathia JD, Berens ME, Speyer G, Liao P, Wrensch MR, Eckel-Passow JE, Armstrong G, Rice T, Wiencke JK, McCoy LS, Hansen HM, Amos CI, Bernstein JL, Claus EB, Houlston RS, Il'yasova D, Jenkins RB, Johansen C, Lachance DH, Lai RK, Merrell RT, Olson SH, Sadetzki S, Schildkraut JM, Shete S, Andersson U, Rajaraman P, Chanock SJ, Linet MS, Wang Z, Yeager M; GliomaScan consortium, Melin B, Bondy ML, Barnholtz-Sloan JS. Sex-specific gene and pathway modeling of inherited glioma risk. *Neuro Oncol*. 2019 Jan 1;21(1):71-82. doi: 10.1093/neuonc/noy135. PubMed PMID: 30124908; PubMed Central PMCID: PMC6303471.

50: Pangaro LN, Gilliland W, Moores L, Moores L. Concerning A Service Commitment to Fund Your Medical Education. *Am J Med*. 2018 Aug;131(8):e343. doi: 10.1016/j.amjmed.2018.03.036. PubMed PMID: 30121093.

51: Sheu ML, Chiang CY, Su HL, Chen CJ, Sheehan J, Pan HC. Intrathecal Injection of Dual Zipper Kinase shRNA Alleviating the Neuropathic Pain in a Chronic Constrictive Nerve Injury Model. *Int J Mol Sci*. 2018 Aug 16;19(8). pii: E2421. doi: 10.3390/ijms19082421. PubMed PMID: 30115872; PubMed Central PMCID: PMC6121272.

52: Iliadou VV, Chermak GD, Bamiou DE, Rawool VW, Ptok M, Purdy S, Jutras B, Moncrieff D, Stokkereiit Mattsson T, Ferre JM, Fox C, Grech H, Geffner D, Hedjevar M, Bellis TJ, Nimatoudis I, Eleftheriadis N, Pedersen ER, Weihing J, Guillory L, Madell JR, Hurley A, Whitelaw GM, Schochat E, Spyridakou C, Sidiras C, Thai-Van H, Kostopoulou A, Veuillet E, Keith B, Mountjoy A, Koohi N, Sirimanna T, Lau C,

Cone B, Kiese-Himmel C, Abramson M, Raghunathrao R, Musiek FE. Letter to the Editor: An Affront to Scientific Inquiry Re: Moore, D. R. (2018) Editorial: Auditory Processing Disorder, *Ear Hear*, 39, 617-620. *Ear Hear*. 2018 Nov/Dec;39(6):1236-1242. doi: 10.1097/AUD.0000000000000644. PubMed PMID: 30106770.

53: Huang RY, Unadkat P, Linda Bi W, George E, Preusser M, McCracken DJ, Keen JR, Read WL, Olson JJ, Seystahl K, Le Rhun E, Roelcke U, Koeppen S, Furtner J, Weller M, Raizer JJ, Schiff D, Wen PY. Response Assessment of Meningioma: 1D, 2D and Volumetric Criteria for Treatment Response and Tumor Progression. *Neuro Oncol*. 2018 Aug 2. doi: 10.1093/neuonc/noy126. [Epub ahead of print] PubMed PMID: 30085283.

54: Latouche EL, Arena CB, Ivey JW, Garcia PA, Pancotto TE, Pavlisko N, Verbridge SS, Davalos RV, Rossmeis JH. High-Frequency Irreversible Electroporation for Intracranial Meningioma: A Feasibility Study in a Spontaneous Canine Tumor Model. *Technol Cancer Res Treat*. 2018 Jan 1;17:1533033818785285. doi: 10.1177/1533033818785285. PubMed PMID: 30071778; PubMed Central PMCID: PMC6077896.

55: Zuckerman SL, Lakomkin N, Smith JS, Shaffrey CI, Devin CJ. Incidence and predictors of all-cause mortality within one year after adult spinal deformity surgery. *J Spine Surg*. 2018 Jun;4(2):333-341. doi: 10.21037/jss.2018.05.28. PubMed PMID: 30069526; PubMed Central PMCID: PMC6046338.

56: Kothari G, Loblaw A, Tree AC, van As NJ, Moghanaki D, Lo SS, Ost P, Siva S. Stereotactic Body Radiotherapy for Primary Prostate Cancer. *Technol Cancer Res Treat*. 2018 Jan 1;17:1533033818789633. doi: 10.1177/1533033818789633. PubMed PMID: 30064301; PubMed Central PMCID: PMC6069023.

57: Nwafor D, Radwan W, Lucke-Wold B, Underwood W, Gyure K, Marsh R. Follicular lymphoma presenting as scalp mass deformity: Case Report and Review of the literature. *Biomed Res Clin Pract*. 2018;3(1). doi: 10.15761/BRCP.1000155. Epub 2018 Feb 24. PubMed PMID: 30057944; PubMed Central PMCID: PMC6059655.

58: Bazarian JJ, Biberthaler P, Welch RD, Lewis LM, Barzo P, Bogner-Flatz V, Gunnar Brolinson P, Büki A, Chen JY, Christenson RH, Hack D, Huff JS, Johar S, Jordan JD, Leidel BA, Lindner T, Ludington E, Okonkwo DO, Ornato J, Peacock WF, Schmidt K, Tyndall JA, Vossough A, Jagoda AS. Serum GFAP and UCH-L1 for prediction of absence of intracranial injuries on head CT (ALERT-TBI): a multicentre observational study. *Lancet Neurol*. 2018 Sep;17(9):782-789. doi: 10.1016/S1474-4422(18)30231-X. Epub 2018 Jul 24. PubMed PMID: 30054151.

59: Zaidat OO, Castonguay AC, Gupta R, Sun CJ, Martin C, Holloway WE, Mueller-Kronast N, English JD, Linfante I, Dabus G, Malisch TW, Marden FA, Bozorgchami H, Xavier A, Rai AT, Froehler MT, Badruddin A, Nguyen TN, Taqi MA, Abraham MG, Janardhan V, Shaltoni H, Novakovic R, Yoo AJ, Abou-Chebl A, Chen PR, Britz GW, Kaushal R, Nanda A, Issa MA, Nogueira RG. North American Solitaire Stent Retriever Acute Stroke registry: post-marketing revascularization and clinical outcome results. *J Neurointerv Surg*. 2018 Jul;10(Suppl 1):i45-i49. doi: 10.1136/neurintsurg-2013-010895.rep. PubMed PMID: 30037956.

60: Prasad S, Podgorsak M, Plunkett R, Prasad D. An Evaluation of the ICON(®) Mask Fixation: Curing Characteristics of the Thermoplastic Fixation and Implications for Patient Workflow. *Radiol Oncol*. 2018 Jan 24;52(2):229-232. doi: 10.2478/raon-2018-0018. eCollection 2018 Jun. PubMed PMID: 30018528; PubMed Central PMCID: PMC6043888.

61: Goyal N, Tsivgoulis G, Frei D, Turk A, Baxter B, Froehler MT, Mocco J, Ishfaq MF, Malhotra K, Chang

JJ, Hoit D, Elijovich L, Loy D, Turner RD, Mascitelli J, Espaillat K, Alexandrov AV, Arthur AS. Comparative Safety and Efficacy of Modified TICI 2b and TICI 3 Reperfusion in Acute Ischemic Strokes Treated With Mechanical Thrombectomy. *Neurosurgery*. 2018 Sep 1;83(3):593. doi: 10.1093/neuros/nyy320. PubMed PMID: 30010960.

62: Schubert M, Schürch R, Boettger S, Garcia Nuñez D, Schwarz U, Bettex D, Jenewein J, Bogdanovic J, Staehli ML, Spirig R, Rudiger A. A hospital-wide evaluation of delirium prevalence and outcomes in acute care patients - a cohort study. *BMC Health Serv Res*. 2018 Jul 13;18(1):550. doi: 10.1186/s12913-018-3345-x. PubMed PMID: 30005646; PubMed Central PMCID: PMC6045819.

63: Passias PG, Bortz CA, Segreto FA, Horn SR, Lafage R, Lafage V, Smith JS, Line B, Kim HJ, Eastlack R, Hamilton DK, Protosaltis T, Hostin RA Jr, Klineberg EO, Burton DC, Hart RA, Schwab FJ, Bess S, Shaffrey CI, Ames CP; International Spine Study Group. Development of a Modified Cervical Deformity Frailty Index: A Streamlined Clinical Tool for Preoperative Risk Stratification. *Spine (Phila Pa 1976)*. 2018 Jul 12. doi: 10.1097/BRS.0000000000002778. [Epub ahead of print] PubMed PMID: 30005037.

64: Darsaut TE, Fahed R, Macdonald RL, Arthur AS, Kalani MYS, Arikan F, Roy D, Weill A, Bilocq A, Rempel JL, Chow MM, Ashforth RA, Findlay JM, Castro-Afonso LH, Chagnon M, Gevry G, Raymond J. Surgical or endovascular management of ruptured intracranial aneurysms: an agreement study. *J Neurosurg*. 2018 Jul 1:1-7. doi: 10.3171/2018.1.JNS172645. [Epub ahead of print] PubMed PMID: 30004285.

65: Goyal N, Tsivgoulis G, Chang JJ, Malhotra K, Pandhi A, Ishfaq MF, Alsbrook D, Arthur AS, Elijovich L, Alexandrov AV. Admission Neutrophil-to-Lymphocyte Ratio as a Prognostic Biomarker of Outcomes in Large Vessel Occlusion Strokes. *Stroke*. 2018 Aug;49(8):1985-1987. doi: 10.1161/STROKEAHA.118.021477. PubMed PMID: 30002151.

66: Si B, Dumkrieger G, Wu T, Zafonte R, Valadka AB, Okonkwo DO, Manley GT, Wang L, Dodick DW, Schwedt TJ, Li J. Sub-classifying patients with mild traumatic brain injury: A clustering approach based on baseline clinical characteristics and 90-day and 180-day outcomes. *PLoS One*. 2018 Jul 11;13(7):e0198741. doi: 10.1371/journal.pone.0198741. eCollection 2018. PubMed PMID: 29995912; PubMed Central PMCID: PMC6040703.

67: Nater A, Tetreault LA, Kopjar B, Arnold PM, Dekutoski MB, Finkelstein JA, Fisher CG, France JC, Gokaslan ZL, Rhines LD, Rose PS, Sahgal A, Schuster JM, Vaccaro AR, Fehlings MG. Predictive factors of survival in a surgical series of metastatic epidural spinal cord compression and complete external validation of 8 multivariate models of survival in a prospective North American multicenter study. *Cancer*. 2018 Sep 1;124(17):3536-3550. doi: 10.1002/cncr.31585. Epub 2018 Jul 5. PubMed PMID: 29975401.

68: Legon W, Bansal P, Tyshynsky R, Ai L, Mueller JK. Transcranial focused ultrasound neuromodulation of the human primary motor cortex. *Sci Rep*. 2018 Jul 3;8(1):10007. doi: 10.1038/s41598-018-28320-1. PubMed PMID: 29968768; PubMed Central PMCID: PMC6030101.

69: Darwish H, El-Hadi U, Haddad G, Najjar M. Management of pituitary neuroendocrine tumors: MononostriL Endoscopic Transsphenoidal Surgery. *Basic Clin Neurosci*. 2018 Mar-Apr;9(2):121-128. doi: 10.29252/nirp.bcn.9.2.121. PubMed PMID: 29967671; PubMed Central PMCID: PMC6026095.

70: Maldonado MD, Batchala P, Ornan D, Fadul C, Schiff D, Itri JN, Jain R, Patel SH. Features of diffuse gliomas that are misdiagnosed on initial neuroimaging: a case control study. *J Neurooncol*. 2018 Oct;140(1):107-113. doi: 10.1007/s11060-018-2939-9. Epub 2018 Jun 29. PubMed PMID: 29959694.

- 71: Pratali RR, Smith JS, Ancheschi BC, Maranhão DA, Savarese A, Nogueira-Barbosa MH, Herrero CFPS. A Technique for Dynamic Cervical Magnetic Resonance Imaging Applied to Cervical Spondylotic Myelopathy: A Reliability Study. *Spine (Phila Pa 1976)*. 2019 Jan 1;44(1):E26-E32. doi: 10.1097/BRS.0000000000002765. PubMed PMID: 29952883.
- 72: Sizemore G, Lucke-Wold B, Rosen C, Simpkins JW, Bhatia S, Sun D. Temporal Lobe Epilepsy, Stroke, and Traumatic Brain Injury: Mechanisms of Hyperpolarized, Depolarized, and Flow-Through Ion Channels Utilized as Tri-Coordinate Biomarkers of Electrophysiologic Dysfunction. *OBM Neurobiol*. 2018;2(2). pii: 009. doi: 10.21926/obm.neurobiol.1802009. Epub 2018 Jun 4. PubMed PMID: 29951646; PubMed Central PMCID: PMC6018002.
- 73: Turner RC, Lucke-Wold BP, Boo S, Rosen CL, Sedney CL. The potential dangers of neck manipulation & risk for dissection and devastating stroke: An illustrative case & review of the literature. *Biomed Res Rev*. 2018;2(1). doi: 10.15761/BRR.1000110. Epub 2018 Mar 25. PubMed PMID: 29951644; PubMed Central PMCID: PMC6016850.
- 74: Shen CC, You WC, Sun MH, Lee SD, Tsou HK, Chen YJ, Sheu ML, Sheehan J, Pan HC. Outcome of partially irradiated recurrent nonfunctioning pituitary macroadenoma by gamma knife radiosurgery. *J Neurooncol*. 2018 Sep;139(3):767-775. doi: 10.1007/s11060-018-2925-2. Epub 2018 Jun 13. PubMed PMID: 29948768.
- 75: Su HL, Chiang CY, Lu ZH, Cheng FC, Chen CJ, Sheu ML, Sheehan J, Pan HC. Late administration of high-frequency electrical stimulation increases nerve regeneration without aggravating neuropathic pain in a nerve crush injury. *BMC Neurosci*. 2018 Jun 25;19(1):37. doi: 10.1186/s12868-018-0437-9. PubMed PMID: 29940857; PubMed Central PMCID: PMC6020201.
- 76: Yang J, Lafage V, Lafage R, Smith J, Klineberg EO, Shaffrey CI, Mundis G Jr, Hostin R, Burton D, Ames CP, Bess S, Kim HJ, Schwab F; International Spine Study Group (ISSG). Determinants of Patient Satisfaction 2 Years After Spinal Deformity Surgery: A Latent Class Analysis. *Spine (Phila Pa 1976)*. 2019 Jan 1;44(1):E45-E52. doi: 10.1097/BRS.0000000000002753. PubMed PMID: 29933336.
- 77: Heiss JD, Walbridge S, Argersinger DP, Hong CS, Ray-Chaudhury A, Lonser RR, Elias WJ, Zaghloul KA. Convection-Enhanced Delivery of Muscimol Into the Bilateral Subthalamic Nuclei of Nonhuman Primates. *Neurosurgery*. 2018 Jun 21. doi: 10.1093/neuros/nyy279. [Epub ahead of print] PubMed PMID: 29931364.
- 78: Brainstorm Consortium, Anttila V, Bulik-Sullivan B, Finucane HK, Walters RK, Bras J, Duncan L, Escott-Price V, Falcone GJ, Gormley P, Malik R, Patsopoulos NA, Ripke S, Wei Z, Yu D, Lee PH, Turley P, Grenier-Boley B, Chouraki V, Kamatani Y, Berr C, Letenneur L, Hannequin D, Amouyel P, Boland A, Deleuze JF, Duron E, Vardarajan BN, Reitz C, Goate AM, Huentelman MJ, Kamboh MI, Larson EB, Rogaeva E, St George-Hyslop P, Hakonarson H, Kukull WA, Farrer LA, Barnes LL, Beach TG, Demirci FY, Head E, Hulette CM, Jicha GA, Kauwe JSK, Kaye JA, Leverenz JB, Levey AI, Lieberman AP, Pankratz VS, Poon WW, Quinn JF, Saykin AJ, Schneider LS, Smith AG, Sonnen JA, Stern RA, Van Deerlin VM, Van Eldik LJ, Harold D, Russo G, Rubinsztein DC, Bayer A, Tsolaki M, Proitsi P, Fox NC, Hampel H, Owen MJ, Mead S, Passmore P, Morgan K, Nöthen MM, Rossor M, Lupton MK, Hoffmann P, Kornhuber J, Lawlor B, McQuillin A, Al-Chalabi A, Bis JC, Ruiz A, Boada M, Seshadri S, Beiser A, Rice K, van der Lee SJ, De Jager PL, Geschwind DH, Riemenschneider M, Riedel-Heller S, Rotter JI, Ransmayr G, Hyman BT, Cruchaga C, Alegret M, Winsvold B, Palta P, Farh KH, Cuenca-Leon E, Furlotte N, Kurth T, Ligthart L, Terwindt GM, Freilinger T, Ran C, Gordon SD, Borck G, Adams HHH, Lehtimäki T, Wedenoja J, Buring JE, Schürks M, Hrafnisdóttir M, Hottenga JJ, Penninx B, Artto V, Kaunisto M, Vepsäläinen S, Martin NG, Montgomery GW, Kurki MI, Hämäläinen E, Huang H, Huang J, Sandor C, Webber C, Muller-Myhsok B, Schreiber S, Salomaa V, Loehrer E, Göbel H, Macaya A, Pozo-Rosich P, Hansen T, Werge T, Kaprio J,

Metspalu A, Kubisch C, Ferrari MD, Belin AC, van den Maagdenberg AMJM, Zwart JA, Boomsma D, Eriksson N, Olesen J, Chasman DI, Nyholt DR, Avbersek A, Baum L, Berkovic S, Bradfield J, Buono R, Catarino CB, Cossette P, De Jonghe P, Depondt C, Dlugos D, Ferraro TN, French J, Hjalgrim H, Jamnadas-Khoda J, Kälviäinen R, Kunz WS, Lerche H, Leu C, Lindhout D, Lo W, Lowenstein D, McCormack M, Møller RS, Molloy A, Ng PW, Oliver K, Privitera M, Radtke R, Ruppert AK, Sander T, Schachter S, Schankin C, Scheffer I, Schoch S, Sisodiya SM, Smith P, Sperling M, Striano P, Surges R, Thomas GN, Visscher F, Whelan CD, Zara F, Heinzen EL, Marson A, Becker F, Stroink H, Zimprich F, Gasser T, Gibbs R, Heutink P, Martinez M, Morris HR, Sharma M, Ryten M, Mok KY, Pulit S, Bevan S, Holliday E, Attia J, Battey T, Boncoraglio G, Thijs V, Chen WM, Mitchell B, Rothwell P, Sharma P, Sudlow C, Vicente A, Markus H, Kourkoulis C, Pera J, Raffeld M, Silliman S, Boraska Perica V, Thornton LM, Huckins LM, William Rayner N, Lewis CM, Gratacos M, Rybakowski F, Keski-Rahkonen A, Raevuori A, Hudson JI, Reichborn-Kjennerud T, Monteleone P, Karwautz A, Mannik K, Baker JH, O'Toole JK, Trace SE, Davis OSP, Helder SG, Ehrlich S, Herpertz-Dahlmann B, Danner UN, van Elburg AA, Clementi M, Forzan M, Docampo E, Lissowska J, Hauser J, Tortorella A, Maj M, Gonidakis F, Tziouvas K, Papezova H, Yilmaz Z, Wagner G, Cohen-Woods S, Herms S, Julià A, Rabionet R, Dick DM, Ripatti S, Andreassen OA, Espeseth T, Lundervold AJ, Steen VM, Pinto D, Scherer SW, Aschauer H, Schosser A, Alfredsson L, Padyukov L, Halmi KA, Mitchell J, Strober M, Bergen AW, Kaye W, Szatkiewicz JP, Cormand B, Ramos-Quiroga JA, Sánchez-Mora C, Ribasés M, Casas M, Hervas A, Arranz MJ, Haavik J, Zayats T, Johansson S, Williams N, Dempfle A, Rothenberger A, Kuntsi J, Oades RD, Banaschewski T, Franke B, Buitelaar JK, Arias Vasquez A, Doyle AE, Reif A, Lesch KP, Freitag C, Rivero O, Palmason H, Romanos M, Langley K, Rietschel M, Witt SH, Dalsgaard S, Børglum AD, Waldman I, Wilmot B, Molly N, Bau CHD, Crosbie J, Schachar R, Loo SK, McGough JJ, Grevet EH, Medland SE, Robinson E, Weiss LA, Bacchelli E, Bailey A, Bal V, Battaglia A, Betancur C, Bolton P, Cantor R, Celestino-Soper P, Dawson G, De Rubeis S, Duque F, Green A, Klauck SM, Leboyer M, Levitt P, Maestrini E, Mane S, De-Luca DM, Parr J, Regan R, Reichenberg A, Sandin S, Vorstman J, Wassink T, Wijsman E, Cook E, Santangelo S, Delorme R, Rogé B, Magalhaes T, Arking D, Schulze TG, Thompson RC, Strohmaier J, Matthews K, Melle I, Morris D, Blackwood D, McIntosh A, Bergen SE, Schalling M, Jamain S, Maaser A, Fischer SB, Reinbold CS, Fullerton JM, Guzman-Parra J, Mayoral F, Schofield PR, Cichon S, Mühleisen TW, Degenhardt F, Schumacher J, Bauer M, Mitchell PB, Gershon ES, Rice J, Potash JB, Zandi PP, Craddock N, Ferrier IN, Alda M, Rouleau GA, Turecki G, Ophoff R, Pato C, Anjorin A, Stahl E, Leber M, Czerski PM, Cruceanu C, Jones IR, Posthuma D, Andlauer TFM, Forstner AJ, Streit F, Baune BT, Air T, Sinnamon G, Wray NR, MacIntyre DJ, Porteous D, Homuth G, Rivera M, Grove J, Middeldorp CM, Hickie I, Pergadia M, Mehta D, Smit JH, Jansen R, de Geus E, Dunn E, Li QS, Nauck M, Schoevers RA, Beekman AT, Knowles JA, Viktorin A, Arnold P, Barr CL, Bedoya-Berrio G, Bienvenu OJ, Brentani H, Burton C, Camarena B, Cappi C, Cath D, Cavallini M, Cusi D, Darrow S, Denys D, Derks EM, Dietrich A, Fernandez T, Figee M, Freimer N, Gerber G, Grados M, Greenberg E, Hanna GL, Hartmann A, Hirschtritt ME, Hoekstra PJ, Huang A, Huyser C, Illmann C, Jenike M, Kuperman S, Leventhal B, Lochner C, Lyon GJ, Macciardi F, Madruga-Garrido M, Malaty IA, Maras A, McGrath L, Miguel EC, Mir P, Nestadt G, Nicolini H, Okun MS, Pakstis A, Paschou P, Piacentini J, Pittenger C, Plessen K, Ramensky V, Ramos EM, Reus V, Richter MA, Riddle MA, Robertson MM, Roessner V, Rosário M, Samuels JF, Sandor P, Stein DJ, Tsetsos F, Van Nieuwerburgh F, Weatherall S, Wendland JR, Wolanczyk T, Worbe Y, Zai G, Goes FS, McLaughlin N, Nestadt PS, Grabe HJ, Depienne C, Konkashbaev A, Lanzagorta N, Valencia-Duarte A, Bramon E, Buccola N, Cahn W, Cairns M, Chong SA, Cohen D, Crespo-Facorro B, Crowley J, Davidson M, DeLisi L, Dinan T, Donohoe G, Drapeau E, Duan J, Haan L, Hougaard D, Karachanak-Yankova S, Khrunin A, Klovins J, Kučinskas V, Lee Chee Keong J, Limborska S, Loughland C, Lönngqvist J, Maher B, Mattheisen M, McDonald C, Murphy KC, Nenadic I, van Os J, Pantelis C, Pato M, Petryshen T, Quedstedt D, Roussos P, Sanders AR, Schall U, Schwab SG, Sim K, So HC, Stögmänn E, Subramaniam M, Toncheva D, Waddington J, Walters J, Weiser M, Cheng W, Cloninger R, Curtis D, Gejman PV, Henskens F, Mattingdal M, Oh SY, Scott R, Webb B, Breen G, Churchhouse C, Bulik CM, Daly M, Dichgans M,

- Faraone SV, Guerreiro R, Holmans P, Kendler KS, Koeleman B, Mathews CA, Price A, Scharf J, Sklar P, Williams J, Wood NW, Cotsapas C, Palotie A, Smoller JW, Sullivan P, Rosand J, Corvin A, Neale BM, Schott JM, Anney R, Elia J, Grigoriu-Serbanescu M, Edenberg HJ, Murray R. Analysis of shared heritability in common disorders of the brain. *Science*. 2018 Jun 22;360(6395). pii: eaap8757. doi: 10.1126/science.aap8757. PubMed PMID: 29930110; PubMed Central PMCID: PMC6097237.
- 79: Brandmeir N, Payne R, Rizk E, Tubbs RS, Arsuaga JL, Bartsiokas A. The Leg Wound of King Philip II of Macedonia. *Cureus*. 2018 Apr 18;10(4):e2501. doi: 10.7759/cureus.2501. PubMed PMID: 29928561; PubMed Central PMCID: PMC6005394.
- 80: Urban JE, Kelley ME, Espeland MA, Davenport EM, Whitlow CT, Powers AK, Maldjian JA, Stitzel JD. In-Season Variations in Head Impact Exposure among Youth Football Players. *J Neurotrauma*. 2019 Jan 15;36(2):275-281. doi: 10.1089/neu.2018.5699. Epub 2018 Aug 15. PubMed PMID: 29921164.
- 81: Goyal N, Malhotra K, Ishfaq MF, Tsivgoulis G, Nickele C, Hoit D, Arthur AS, Alexandrov AV, Eljovich L. Current evidence for anesthesia management during endovascular stroke therapy: updated systematic review and meta-analysis. *J Neurointerv Surg*. 2018 Jun 15. pii: neurintsurg-2018-013916. doi: 10.1136/neurintsurg-2018-013916. [Epub ahead of print] PubMed PMID: 29907575.
- 82: Wold BL, Nolan R, Nwafor D, Nguyen L, Cheyuo C, Turner R, Rosen C, Marsh R. Post-Traumatic Stress Disorder Delineating the Progression and Underlying Mechanisms Following Blast Traumatic Brain Injury. *J Neurosci Neuropharmacol*. 2018;4(1). pii: 118. Epub 2018 Mar 2. PubMed PMID: 29888766; PubMed Central PMCID: PMC5993449.
- 83: Cheyuo C, Singh R, Lucke-Wold B, Serrano C. Growing Skull Fracture: Case Report after Rottweiler Bite and Review of the Literature. *J Neurol Neurophysiol*. 2018;9(2). pii: 461. doi: 10.4172/2155-9562.1000461. Epub 2018 Apr 10. PubMed PMID: 29888100; PubMed Central PMCID: PMC5993435.
- 84: Rodriguez-Torres A, Murphy M, Kourkoulis C, Schwab K, Ayres AM, Moomaw CJ, Young Kwon S, Berthaud JV, Gurol ME, Greenberg SM, Viswanathan A, Anderson CD, Flaherty M, James ML, Birnbaum L, Yong Sung G, Parikh G, Boehme AK, Mayson D, Sheth KN, Kidwell C, Koch S, Frankel M, Langefeld CD, Testai FD, Woo D, Rosand J, Biffi A. Hypertension and intracerebral hemorrhage recurrence among white, black, and Hispanic individuals. *Neurology*. 2018 Jul 3;91(1):e37-e44. doi: 10.1212/WNL.0000000000005729. Epub 2018 Jun 6. PubMed PMID: 29875221; PubMed Central PMCID: PMC6091878.
- 85: Chen CJ, Ding D, Buell TJ, Testai FD, Koch S, Woo D, Worrall BB; ERICH Investigators. Restarting antiplatelet therapy after spontaneous intracerebral hemorrhage: Functional outcomes. *Neurology*. 2018 Jul 3;91(1):e26-e36. doi: 10.1212/WNL.0000000000005742. Epub 2018 May 30. PubMed PMID: 29848784; PubMed Central PMCID: PMC6091879.
- 86: Mastorakos P, Xu Z, Yu J, Hess J, Qian J, Chatrath A, Taylor DG, Kondziolka D, Warnick R, Chiang V, Sheehan J. BRAF V600 Mutation and BRAF Kinase Inhibitors in Conjunction With Stereotactic Radiosurgery for Intracranial Melanoma Metastases: A Multicenter Retrospective Study. *Neurosurgery*. 2018 May 29. doi: 10.1093/neuros/nyy203. [Epub ahead of print] PubMed PMID: 29846702.
- 87: Feng M, McSparron JI, Kien DT, Stone DJ, Roberts DH, Schwartzstein RM, Vieillard-Baron A, Celi LA. Transthoracic echocardiography and mortality in sepsis: analysis of the MIMIC-III database. *Intensive Care Med*. 2018 Jun;44(6):884-892. doi: 10.1007/s00134-018-5208-7. Epub 2018 May 28. PubMed PMID: 29806057.
- 88: Paisan GM, Crandall KM, Chen S, Burks SS, Sands LR, Levi AD. Closure of a giant anterior sacral

meningocele with an omental flap in a patient with Marfan syndrome: case report. *J Neurosurg Spine*. 2018 Aug;29(2):182-186. doi: 10.3171/2018.1.SPINE171303. Epub 2018 May 25. PubMed PMID: 29799321.

89: Hu B, Kim C, Ning X, Xu X. Using a deep learning network to recognise low back pain in static standing. *Ergonomics*. 2018 Jul 3:1-9. doi: 10.1080/00140139.2018.1481230. [Epub ahead of print] PubMed PMID: 29792576.

90: Hylin MJ, Holden RC, Smith AC, Logsdon AF, Qaiser R, Lucke-Wold BP. Juvenile Traumatic Brain Injury Results in Cognitive Deficits Associated with Impaired Endoplasmic Reticulum Stress and Early Tauopathy. *Dev Neurosci*. 2018;40(2):175-188. doi: 10.1159/000488343. Epub 2018 May 22. PubMed PMID: 29788004.

91: From the American Association of Neurological Surgeons (AANS), American Society of Neuroradiology (ASNR), Cardiovascular and Interventional Radiology Society of Europe (CIRSE), Canadian Interventional Radiology Association (CIRA), Congress of Neurological Surgeons (CNS), European Society of Minimally Invasive Neurological Therapy (ESMINT), European Society of Neuroradiology (ESNR), European Stroke Organization (ESO), Society for Cardiovascular Angiography and Interventions (SCAI), Society of Interventional Radiology (SIR), Society of NeuroInterventional Surgery (SNIS), and World Stroke Organization (WSO), Sacks D, Baxter B, Campbell BCV, Carpenter JS, Cognard C, Dippel D, Eesa M, Fischer U, Hausegger K, Hirsch JA, Shazam Hussain M, Jansen O, Jayaraman MV, Khalessi AA, Kluck BW, Lavine S, Meyers PM, Ramee S, Rüfenacht DA, Schirmer CM, Vorwerk D. Multisociety Consensus Quality Improvement Revised Consensus Statement for Endovascular Therapy of Acute Ischemic Stroke. *Int J Stroke*. 2018 Aug;13(6):612-632. doi: 10.1177/1747493018778713. Epub 2018 May 22. PubMed PMID: 29786478.

92: Cury RG, Kalia SK, Shah BB, Jimenez-Shahed J, Prashanth LK, Moro E. Surgical treatment of dystonia. *Expert Rev Neurother*. 2018 Jun;18(6):477-492. doi: 10.1080/14737175.2018.1478288. Epub 2018 May 28. PubMed PMID: 29781334.

93: From the American Association of Neurological Surgeons (AANS), American Society of Neuroradiology (ASNR), Cardiovascular and Interventional Radiology Society of Europe (CIRSE), Canadian Interventional Radiology Association (CIRA), Congress of Neurological Surgeons (CNS), European Society of Minimally Invasive Neurological Therapy (ESMINT), European Society of Neuroradiology (ESNR), European Stroke Organization (ESO), Society for Cardiovascular Angiography and Interventions (SCAI), Society of Interventional Radiology (SIR), Society of NeuroInterventional Surgery (SNIS), and World Stroke Organization (WSO), Sacks D, Baxter B, Campbell BCV, Carpenter JS, Cognard C, Dippel D, Eesa M, Fischer U, Hausegger K, Hirsch JA, Hussain MS, Jansen O, Jayaraman MV, Khalessi AA, Kluck BW, Lavine S, Meyers PM, Ramee S, Rüfenacht DA, Schirmer CM, Vorwerk D. Multisociety Consensus Quality Improvement Revised Consensus Statement for Endovascular Therapy of Acute Ischemic Stroke. *AJNR Am J Neuroradiol*. 2018 Jun;39(6):E61-E76. doi: 10.3174/ajnr.A5638. Epub 2018 May 17. PubMed PMID: 29773566.

94: Gutt R, Malhotra S, Jolly S, Moghanaki D, Cheuk AV, Fosmire H, Kelly M, Hoffman-Hogg L, Lutz S, Anscher M, Dawson G; Veterans Health Administration Palliative Radiotherapy Task Force. Management of metastatic spinal cord compression among Veterans Health Administration radiation oncologists. *Ann Palliat Med*. 2018 Apr;7(2):234-241. doi: 10.21037/apm.2018.03.08. PubMed PMID: 29764185.

95: Claus EB, Cornish AJ, Broderick P, Schildkraut JM, Dobbins SE, Holroyd A, Calvocoressi L, Lu L,

Hansen HM, Smirnov I, Walsh KM, Schramm J, Hoffmann P, Nöthen MM, Jöckel KH, Swerdlow A, Larsen SB, Johansen C, Simon M, Bondy M, Wrensch M, Houlston RS, Wiemels JL. Genome-wide association analysis identifies a meningioma risk locus at 11p15.5. *Neuro Oncol*. 2018 Oct 9;20(11):1485-1493. doi: 10.1093/neuonc/now077. PubMed PMID: 29762745; PubMed Central PMCID: PMC6176799.

96: Miller EK, Lenke LG, Neuman BJ, Sciubba DM, Kebaish KM, Smith JS, Qiu Y, Dahl BT, Pellisé F, Matsuyama Y, Carreon LY, Fehlings MG, Cheung KM, Lewis S, Dekutoski MB, Schwab FJ, Boachie-Adjei O, Mehdi H, Bess S, Shaffrey CI, Ames CP; AOSpine Knowledge Forum Deformity, the International Spine Study Group. External Validation of the Adult Spinal Deformity (ASD) Frailty Index (ASD-FI) in the Scolio-RISK-1 Patient Database. *Spine (Phila Pa 1976)*. 2018 Oct 15;43(20):1426-1431. doi: 10.1097/BRS.0000000000002717. PubMed PMID: 29762340.

97: DeWitt DS, Hawkins BE, Dixon CE, Kochanek PM, Armstead W, Bass CR, Bramlett HM, Buki A, Dietrich WD, Ferguson AR, Hall ED, Hayes RL, Hinds SR, LaPlaca MC, Long JB, Meaney DF, Mondello S, Noble-Haeusslein LJ, Poloyac SM, Prough DS, Robertson CS, Saatman KE, Shultz SR, Shear DA, Smith DH, Valadka AB, VandeVord P, Zhang L. Pre-Clinical Testing of Therapies for Traumatic Brain Injury. *J Neurotrauma*. 2018 Dec 1;35(23):2737-2754. doi: 10.1089/neu.2018.5778. Epub 2018 Aug 30. PubMed PMID: 29756522.

98: Ailon T, Smith JS, Shaffrey CI, Soroceanu A, Lafage V, Schwab F, Burton D, Hart R, Kim HJ, Gum J, Hostin R, Kelly MP, Glassman S, Scheer JK, Bess S, Ames CP; International Spine Study Group. Patients with Adult Spinal Deformity with Previous Fusions Have an Equal Chance of Reaching Substantial Clinical Benefit Thresholds in Health-Related Quality of Life Measures but Do Not Reach the Same Absolute Level of Improvement. *World Neurosurg*. 2018 Aug;116:e354-e361. doi: 10.1016/j.wneu.2018.04.204. Epub 2018 May 9. PubMed PMID: 29751181.

99: Puchalski RB, Shah N, Miller J, Dalley R, Nomura SR, Yoon JG, Smith KA, Lankarovich M, Bertagnoli D, Bickley K, Boe AF, Brouner K, Butler S, Caldejon S, Chapin M, Datta S, Dee N, Desta T, Dolbeare T, Dotson N, Ebbert A, Feng D, Feng X, Fisher M, Gee G, Goldy J, Gourley L, Gregor BW, Gu G, Hejazinia N, Hohmann J, Hothi P, Howard R, Joines K, Kriedberg A, Kuan L, Lau C, Lee F, Lee H, Lemon T, Long F, Mastan N, Mott E, Murthy C, Ngo K, Olson E, Reding M, Riley Z, Rosen D, Sandman D, Shapovalova N, Slaughterbeck CR, Sodt A, Stockdale G, Szafer A, Wakeman W, Wohnoutka PE, White SJ, Marsh D, Rostomily RC, Ng L, Dang C, Jones A, Keogh B, Gittleman HR, Barnholtz-Sloan JS, Cimino PJ, Uppin MS, Keene CD, Farrokhi FR, Lathia JD, Berens ME, Iavarone A, Bernard A, Lein E, Phillips JW, Rostad SW, Cobbs C, Hawrylycz MJ, Foltz GD. An anatomic transcriptional atlas of human glioblastoma. *Science*. 2018 May 11;360(6389):660-663. doi: 10.1126/science.aaf2666. PubMed PMID: 29748285.

100: Ostrom QT, Kinnarsley B, Wrensch MR, Eckel-Passow JE, Armstrong G, Rice T, Chen Y, Wiencke JK, McCoy LS, Hansen HM, Amos CI, Bernstein JL, Claus EB, Il'yasova D, Johansen C, Lachance DH, Lai RK, Merrell RT, Olson SH, Sadetzki S, Schildkraut JM, Shete S, Rubin JB, Lathia JD, Berens ME, Andersson U, Rajaraman P, Chanock SJ, Linet MS, Wang Z, Yeager M; GliomaScan consortium, Houlston RS, Jenkins RB, Melin B, Bondy ML, Barnholtz-Sloan JS. Sex-specific glioma genome-wide association study identifies new risk locus at 3p21.31 in females, and finds sex-differences in risk at 8q24.21. *Sci Rep*. 2018 May 9;8(1):7352. doi: 10.1038/s41598-018-24580-z. PubMed PMID: 29743610; PubMed Central PMCID: PMC5943590.

101: Wilson JR, Radcliff K, Schroeder G, Booth M, Lucasti C, Fehlings M, Ahmad N, Vaccaro A, Arnold P, Sciubba D, Ching A, Smith J, Shaffrey C, Singh K, Darden B, Daffner S, Cheng I, Ghogawala Z, Ludwig S, Buchowski J, Brodke D, Wang J, Lehman RA, Hilibrand A, Yoon T, Grauer J, Dailey A, Steinmetz M, Harrop JS. Frequency and Acceptability of Adverse Events After Anterior Cervical Discectomy and Fusion: A Survey Study From the Cervical Spine Research Society. *Clin Spine Surg*. 2018 Jun;31(5):E270-E277. doi: 10.1097/BSD.0000000000000645. PubMed PMID: 29708891.

- 102: Xu Z, Mathieu D, Heroux F, Abbassy M, Barnett G, Mohammadi AM, Kano H, Caruso J, Shih HH, Grills IS, Lee K, Krishnan S, Kaufmann AM, Lee JYK, Alonso-Basanta M, Kerr M, Pierce J, Kondziolka D, Hess JA, Gerrard J, Chiang V, Lunsford LD, Sheehan JP. Stereotactic Radiosurgery for Trigeminal Neuralgia in Patients With Multiple Sclerosis: A Multicenter Study. *Neurosurgery*. 2018 Apr 23. doi: 10.1093/neuros/nyy142. [Epub ahead of print] PubMed PMID: 29688562.
- 103: Berntsson SG, Merrell RT, Amirian ES, Armstrong GN, Lachance D, Smits A, Zhou R, Jacobs DI, Wrench MR, Olson SH, Il'yasova D, Claus EB, Barnholtz-Sloan JS, Schildkraut J, Sadetzki S, Johansen C, Houlston RS, Jenkins RB, Bernstein JL, Lai R, Shete S, Amos CI, Bondy ML, Melin BS. Glioma-related seizures in relation to histopathological subtypes: a report from the glioma international case-control study. *J Neurol*. 2018 Jun;265(6):1432-1442. doi: 10.1007/s00415-018-8857-0. Epub 2018 Apr 23. PubMed PMID: 29687214; PubMed Central PMCID: PMC5990563.
- 104: McFarlin J, Hailey CE, Qi W, Kranz PG, Sun W, Sun W, Gray M, King NKK, Laskowitz DT, James ML. Associations between Patient Characteristics and a New, Early Do-Not-Attempt Resuscitation Order after Intracerebral Hemorrhage. *J Palliat Med*. 2018 Aug;21(8):1161-1165. doi: 10.1089/jpm.2017.0519. Epub 2018 Apr 20. PubMed PMID: 29676952.
- 105: Lucke-Wold B, Mendez G, Cua D, Akins P, Gillham H, Ciporen J. Combined Endoscopic Transorbital and Endonasal Repair of High Flow Orbital Apex/Middle Fossa Cerebrospinal Fluid Leak with a Nasoseptal Flap. *J Neuroinflamm Neurodegener Dis*. 2018;2(1). pii: 100005. Epub 2018 Mar 30. PubMed PMID: 29676403; PubMed Central PMCID: PMC5903292.
- 106: Texakalidis P, Giannopoulos S, Jonnalagadda AK, Kokkinidis DG, Machinis T, Reavey-Cantwell J, Armstrong EJ, Jabbour P. Carotid Artery Endarterectomy versus Carotid Artery Stenting for Restenosis After Carotid Artery Endarterectomy: A Systematic Review and Meta-Analysis. *World Neurosurg*. 2018 Jul;115:421-429.e1. doi: 10.1016/j.wneu.2018.02.196. Epub 2018 Apr 17. Review. PubMed PMID: 29673823.
- 107: Chen YJ, Cheng FC, Chen CJ, Su HL, Sheu ML, Sheehan J, Pan HC. Down-Regulated Expression of Magnesium Transporter Genes Following a High Magnesium Diet Attenuates Sciatic Nerve Crush Injury. *Neurosurgery*. 2018 Apr 17. doi: 10.1093/neuros/nyy120. [Epub ahead of print] PubMed PMID: 29672725.
- 108: Weber ML, Dean JL, Hoffman NL, Broglio SP, McCrea M, McAllister TW, Schmidt JD; CARE Consortium Investigators, Hoy AR, Hazzard JB, Kelly LA, Ortega JD, Port N, Putukian M, Langford TD, Tierney R, Campbell DE, McGinty G, O'Donnell P, Svoboda SJ, DiFiori JP, Giza CC, Benjamin HJ, Buckley T, Kaminski TW, Clugston JR, Feigenbaum LA, Eckner JT, Guskiewicz K, Mihalik JP, Miles JD, Anderson S, Master CL, Collins M, Kontos AP, Bazarian JJ, Chrisman SPD, Brooks A, Duma S, Bullers CT, Miles CM, Dykhuizen BH. Influences of Mental Illness, Current Psychological State, and Concussion History on Baseline Concussion Assessment Performance. *Am J Sports Med*. 2018 Jun;46(7):1742-1751. doi: 10.1177/0363546518765145. Epub 2018 Apr 19. PubMed PMID: 29672135.
- 109: Zuckerman SL, Lakomkin N, Hadjipanayis CG, Shaffrey CI, Smith JS, Cheng JS. In Reply: Incidence and Predictive Factors of Sepsis Following Adult Spinal Deformity Surgery. *Neurosurgery*. 2018 Jul 1;83(1):E44-E45. doi: 10.1093/neuros/nyy117. PubMed PMID: 29660050.
- 110: Ellingson BM, Aftab DT, Schwab GM, Hessel C, Harris RJ, Woodworth DC, Leu K, Chakhoyan A, Raymond C, Drappatz J, de Groot J, Prados MD, Reardon DA, Schiff D, Chamberlain M, Mikkelsen T, Desjardins A, Holland J, Ping J, Weitzman R, Wen PY, Cloughesy TF. Volumetric response quantified

using T1 subtraction predicts long-term survival benefit from cabozantinib monotherapy in recurrent glioblastoma. *Neuro Oncol.* 2018 Sep 3;20(10):1411-1418. doi: 10.1093/neuonc/noy054. PubMed PMID: 29660005; PubMed Central PMCID: PMC6120362.

111: Goyal N, Tsivgoulis G, Malhotra K, Houck AL, Khorchid YM, Pandhi A, Inoa V, Alsherbini K, Alexandrov AV, Arthur AS, Elijovich L, Chang JJ. Serum Magnesium Levels and Outcomes in Patients With Acute Spontaneous Intracerebral Hemorrhage. *J Am Heart Assoc.* 2018 Apr 13;7(8). pii: e008698. doi: 10.1161/JAHA.118.008698. PubMed PMID: 29654197; PubMed Central PMCID: PMC6015418.

112: Urhie O, Turner R, Lucke-Wold B, Radwan W, Ahn J, Gyure K, Bhatia S. Glioblastoma Survival Outcomes at a Tertiary Hospital in Appalachia: Factors Impacting the Survival of Patients Following Implementation of the Stupp Protocol. *World Neurosurg.* 2018 Jul;115:e59-e66. doi: 10.1016/j.wneu.2018.03.163. Epub 2018 Apr 6. PubMed PMID: 29631083; PubMed Central PMCID: PMC6026477.

113: Malisch TW, Zaidat OO, Castonguay AC, Marden FA, Gupta R, Sun CJ, Martin CO, Holloway WE, Mueller-Kronast N, English J, Linfante I, Dabus G, Bozorgchami H, Xavier A, Rai AT, Froehler M, Badruddin A, Nguyen TN, Taqi MA, Abraham MG, Janardhan V, Shaltoni H, Novakovic R, Yoo AJ, Abou-Chebl A, Chen PR, Britz GW, Kaushal R, Nanda A, Nogueira RG. Clinical and Angiographic Outcomes with the Combined Local Aspiration and Retriever in the North American Solitaire Stent-Retriever Acute Stroke (NASA) Registry. *Interv Neurol.* 2018 Feb;7(1-2):26-35. doi: 10.1159/000480353. Epub 2017 Oct 11. PubMed PMID: 29628942; PubMed Central PMCID: PMC5881148.

114: Raad M, Neuman BJ, Jain A, Hassanzadeh H, Passias PG, Klineberg E, Mundis GM, Protopsaltis TS, Miller EK, Smith JS, Lafage V, Hamilton DK, Bess S, Kebaish KM, Sciubba DM; International Spine Study Group. The use of patient-reported preoperative activity levels as a stratification tool for short-term and long-term outcomes in patients with adult spinal deformity. *J Neurosurg Spine.* 2018 Jul;29(1):68-74. doi: 10.3171/2017.10.SPINE17830. Epub 2018 Apr 6. PubMed PMID: 29624128.

115: Goyal N, Tsivgoulis G, Frei D, Turk A, Baxter B, Froehler MT, Mocco J, Ishfaq MF, Malhotra K, Chang JJ, Hoit D, Elijovich L, Loy D, Turner RD, Mascitelli J, Espallat K, Alexandrov AV, Arthur AS. Comparative Safety and Efficacy of Modified TICI 2b and TICI 3 Reperfusion in Acute Ischemic Strokes Treated With Mechanical Thrombectomy. *Neurosurgery.* 2018 Mar 30. doi: 10.1093/neuros/nyy097. [Epub ahead of print] PubMed PMID: 29618102.

116: Almeida ND, Adams C, Davis GL, Starke RM, Buro J, Nasr N, McRae D, Cernica G, Caputy A, Hong R, Sherman J. Effectiveness of Positron Emission Tomography/Computed Tomography as a Guide for Palliative Radiation Therapy for Spinal Metastases. *World Neurosurg.* 2018 Jul;115:e67-e72. doi: 10.1016/j.wneu.2018.03.171. Epub 2018 Mar 31. PubMed PMID: 29614361.

117: Yoon N, Shah A, Couldwell WT, Kalani MYS, Park MS. Preoperative embolization of skull base meningiomas: current indications, techniques, and pearls for complication avoidance. *Neurosurg Focus.* 2018 Apr;44(4):E5. doi: 10.3171/2018.1.FOCUS17686. PubMed PMID: 29606046.

118: Miller EK, Vila-Casademunt A, Neuman BJ, Sciubba DM, Kebaish KM, Smith JS, Alanay A, Acaroglu ER, Kleinstück F, Obeid I, Sánchez Pérez-Grueso FJ, Carreon LY, Schwab FJ, Bess S, Scheer JK, Lafage V, Shaffrey CI, Pellisé F, Ames CP; European Spine Study Group; International Spine Study Group. External validation of the adult spinal deformity (ASD) frailty index (ASD-FI). *Eur Spine J.* 2018 Sep;27(9):2331-2338. doi: 10.1007/s00586-018-5575-3. Epub 2018 Mar 30. PubMed PMID: 29603013.

119: Laufer I, Lo SS, Chang EL, Sheehan J, Guckenberger M, Sohn MJ, Ryu S, Foote M, Muacevic A, Soltys SG, Chao S, Myrehaug S, Gerszten PC, Lis E, Maralani P, Bilsky M, Fisher C, Rhines L, Verlaan JJ,

Schiff D, Fehlings MG, Ma L, Chang S, Parulekar WR, Vogelbaum MA, Sahgal A. Population description and clinical response assessment for spinal metastases: part 2 of the SPIne response assessment in Neuro-Oncology (SPINO) group report. *Neuro Oncol*. 2018 Aug 2;20(9):1215-1224. doi: 10.1093/neuonc/noy047. PubMed PMID: 29590465; PubMed Central PMCID: PMC6071663.

120: Abel TJ, Holland MT, Walch T, Howard MA 3rd. John C. Vangilder (1935-2007): Neurosurgical Leader and Founder of the Department of Neurosurgery at the University of Iowa. *World Neurosurg*. 2018 Jun;114:259-263. doi: 10.1016/j.wneu.2018.03.068. Epub 2018 Mar 26. Review. PubMed PMID: 29588237.

121: Nagel SJ, Reddy CG, Frizon LA, Chardon MK, Holland M, Machado AG, Gillies GT, Howard MA 3rd, Wilson S. Spinal dura mater: biophysical characteristics relevant to medical device development. *J Med Eng Technol*. 2018 Feb;42(2):128-139. doi: 10.1080/03091902.2018.1435745. Epub 2018 Mar 23. Review. PubMed PMID: 29569970.

122: Malchenko S, Sredni ST, Boyineni J, Bi Y, Margaryan NV, Guda MR, Kostenko Y, Tomita T, Davuluri RV, Velpula K, Hendrix MJ, Soares MB. Characterization of brain tumor initiating cells isolated from an animal model of CNS primitive neuroectodermal tumors. *Oncotarget*. 2018 Feb 9;9(17):13733-13747. doi: 10.18632/oncotarget.24460. eCollection 2018 Mar 2. PubMed PMID: 29568390; PubMed Central PMCID: PMC5862611.

123: Lee CC, Trifiletti DM, Sahgal A, DeSalles A, Fariselli L, Hayashi M, Levivier M, Ma L, Álvarez RM, Paddick I, Regis J, Ryu S, Slotman B, Sheehan J. Stereotactic Radiosurgery for Benign (World Health Organization Grade I) Cavernous Sinus Meningiomas-International Stereotactic Radiosurgery Society (ISRS) Practice Guideline: A Systematic Review. *Neurosurgery*. 2018 Dec 1;83(6):1128-1142. doi: 10.1093/neuros/nyy009. PubMed PMID: 29554317.

124: Yao M, Li S, Wu X, Diao S, Zhang G, He H, Bian L, Lu Y. Cellular origin of glioblastoma and its implication in precision therapy. *Cell Mol Immunol*. 2018 Aug;15(8):737-739. doi: 10.1038/cmi.2017.159. Epub 2018 Mar 19. PubMed PMID: 29553137; PubMed Central PMCID: PMC6141605.

125: Lorsch ZS, Loh YE, Purushothaman I, Walker DM, Parise EM, Sallery M, Cahill ME, Hodes GE, Pfau ML, Kronman H, Hamilton PJ, Issler O, Labonté B, Symonds AE, Zucker M, Zhang TY, Meaney MJ, Russo SJ, Shen L, Bagot RC, Nestler EJ. Estrogen receptor  $\alpha$  drives pro-resilient transcription in mouse models of depression. *Nat Commun*. 2018 Mar 16;9(1):1116. doi: 10.1038/s41467-018-03567-4. PubMed PMID: 29549264; PubMed Central PMCID: PMC5856766.

126: Goyal N, Tsivgoulis G, Frei D, Turk A, Baxter B, Froehler MT, Mocco J, Pandhi A, Zand R, Malhotra K, Hoit D, Eljovich L, Loy D, Turner RD, Mascitelli J, Espaillat K, Katsanos AH, Alexandrov AW, Alexandrov AV, Arthur AS. Comparative safety and efficacy of combined IVT and MT with direct MT in large vessel occlusion. *Neurology*. 2018 Apr 10;90(15):e1274-e1282. doi: 10.1212/WNL.0000000000005299. Epub 2018 Mar 16. PubMed PMID: 29549221.

127: Kapoor R, Ho PR, Campbell N, Chang I, Deykin A, Forrestal F, Lucas N, Yu B, Arnold DL, Freedman MS, Goldman MD, Hartung HP, Havrdová EK, Jeffery D, Miller A, Sellebjerg F, Cadavid D, Mikol D, Steiner D; ASCEND investigators. Effect of natalizumab on disease progression in secondary progressive multiple sclerosis (ASCEND): a phase 3, randomised, double-blind, placebo-controlled trial with an open-label extension. *Lancet Neurol*. 2018 May;17(5):405-415. doi: 10.1016/S1474-4422(18)30069-3. Epub 2018 Mar 12. PubMed PMID: 29545067.

128: Capper D, Jones DTW, Sill M, Hovestadt V, Schrimpf D, Sturm D, Koelsche C, Sahm F, Chavez L, Reuss DE, Kratz A, Wefers AK, Huang K, Pajtler KW, Schweizer L, Stichel D, Olar A, Engel NW, Lindenberg K, Harter PN, Braczynski AK, Plate KH, Dohmen H, Garvalov BK, Coras R, Hölsken A, Hewer E, Bewerunge-Hudler M, Schick M, Fischer R, Beschorner R, Schittenhelm J, Staszewski O, Wani K, Varlet P, Pages M, Temming P, Lohmann D, Selt F, Witt H, Milde T, Witt O, Aronica E, Giangaspero F, Rushing E, Scheurlen W, Geisenberger C, Rodriguez FJ, Becker A, Preusser M, Haberler C, Bjerkvig R, Cryan J, Farrell M, Deckert M, Hench J, Frank S, Serrano J, Kannan K, Tsirogas A, Brück W, Hofer S, Brehmer S, Seiz-Rosenhagen M, Hänggi D, Hans V, Rozsnoki S, Hansford JR, Kohlhof P, Kristensen BW, Lechner M, Lopes B, Mawrin C, Ketter R, Kulozik A, Khatib Z, Heppner F, Koch A, Jouvet A, Keohane C, Mühleisen H, Mueller W, Pohl U, Prinz M, Benner A, Zapatka M, Gottardo NG, Driever PH, Kramm CM, Müller HL, Rutkowski S, von Hoff K, Frühwald MC, Gnekow A, Fleischhack G, Tippelt S, Calaminus G, Monoranu CM, Perry A, Jones C, Jacques TS, Radlwimmer B, Gessi M, Pietsch T, Schramm J, Schackert G, Westphal M, Reifenberger G, Wesseling P, Weller M, Collins VP, Blümcke I, Bendszus M, Debus J, Huang A, Jabado N, Northcott PA, Paulus W, Gajjar A, Robinson GW, Taylor MD, Jaunmuktane Z, Ryzhova M, Platten M, Unterberg A, Wick W, Karajannis MA, Mittelbronn M, Acker T, Hartmann C, Aldape K, Schüller U, Buslei R, Lichter P, Kool M, Herold-Mende C, Ellison DW, Hasselblatt M, Snuderl M, Brandner S, Korshunov A, von Deimling A, Pfister SM. DNA methylation-based classification of central nervous system tumours. *Nature*. 2018 Mar 22;555(7697):469-474. doi: 10.1038/nature26000. Epub 2018 Mar 14. PubMed PMID: 29539639; PubMed Central PMCID: PMC6093218.

129: Tsolaki E, Downes A, Speier W, Elias WJ, Pouratian N. The potential value of probabilistic tractography-based for MR-guided focused ultrasound thalamotomy for essential tremor. *Neuroimage Clin*. 2017 Dec 12;17:1019-1027. doi: 10.1016/j.nicl.2017.12.018. eCollection 2018. PubMed PMID: 29527503; PubMed Central PMCID: PMC5842733.

130: Dahshan BA, Mattes MD, Bhatia S, Palek MS, Cifarelli CP, Hack JD, Vargo JA. Efficacy of Stereotactic Radiosurgery in Patients with Multiple Metastases: Importance of Volume Rather Than Number of Lesions. *Cureus*. 2017 Dec 19;9(12):e1966. doi: 10.7759/cureus.1966. PubMed PMID: 29492355; PubMed Central PMCID: PMC5820093.

131: Sacks D, Baxter B, Campbell BCV, Carpenter JS, Cognard C, Dippel D, Eesa M, Fischer U, Hausegger K, Hirsch JA, Hussain MS, Jansen O, Jayaraman MV, Khalessi AA, Kluck BW, Lavine S, Meyers PM, Ramee S, Rüfenacht DA, Schirmer CM, Vorwerk D. Multisociety Consensus Quality Improvement Revised Consensus Statement for Endovascular Therapy of Acute Ischemic Stroke: From the American Association of Neurological Surgeons (AANS), American Society of Neuroradiology (ASNR), Cardiovascular and Interventional Radiology Society of Europe (CIRSE), Canadian Interventional Radiology Association (CIRA), Congress of Neurological Surgeons (CNS), European Society of Minimally Invasive Neurological Therapy (ESMINT), European Society of Neuroradiology (ESNR), European Stroke Organization (ESO), Society for Cardiovascular Angiography and Interventions (SCAI), Society of Interventional Radiology (SIR), Society of NeuroInterventional Surgery (SNIS), and World Stroke Organization (WSO). *J Vasc Interv Radiol*. 2018 Apr;29(4):441-453. doi: 10.1016/j.jvir.2017.11.026. Epub 2018 Mar 1. PubMed PMID: 29478797.

132: Zaidat OO, Castonguay AC, Linfante I, Gupta R, Martin CO, Holloway WE, Mueller-Kronast N, English JD, Dabus G, Malisch TW, Marden FA, Bozorgchami H, Xavier A, Rai AT, Froehler MT, Badruddin A, Nguyen TN, Taqi MA, Abraham MG, Yoo AJ, Janardhan V, Shaltoni H, Novakovic R, Abou-Chebl A, Chen PR, Britz GW, Sun CJ, Bansal V, Kaushal R, Nanda A, Nogueira RG. First Pass Effect: A New Measure for Stroke Thrombectomy Devices. *Stroke*. 2018 Mar;49(3):660-666. doi: 10.1161/STROKEAHA.117.020315. Epub 2018 Feb 19. PubMed PMID: 29459390.

133: Fischgrund JS, Rhyne A, Franke J, Sasso R, Kitchel S, Bae H, Yeung C, Truumees E, Schaufele M, Yuan P, Vajkoczy P, DePalma M, Anderson DG, Thibodeau L, Meyer B. Intraosseous basivertebral

nerve ablation for the treatment of chronic low back pain: a prospective randomized double-blind sham-controlled multi-center study. *Eur Spine J*. 2018 May;27(5):1146-1156. doi: 10.1007/s00586-018-5496-1. Epub 2018 Feb 8. PubMed PMID: 29423885.

134: Kuo WT, Sista AK, Faintuch S, Dariushnia SR, Baerlocher MO, Lookstein RA, Haskal ZJ, Nikolic B, Gemmete JJ. Society of Interventional Radiology Position Statement on Catheter-Directed Therapy for Acute Pulmonary Embolism. *J Vasc Interv Radiol*. 2018 Mar;29(3):293-297. doi: 10.1016/j.jvir.2017.10.024. PubMed PMID: 29422427.

135: How NE, Street JT, Dvorak MF, Fisher CG, Kwon BK, Paquette S, Smith JS, Shaffrey CI, Ailon T. Pseudarthrosis in adult and pediatric spinal deformity surgery: a systematic review of the literature and meta-analysis of incidence, characteristics, and risk factors. *Neurosurg Rev*. 2018 Feb 6. doi: 10.1007/s10143-018-0951-3. [Epub ahead of print] Review. PubMed PMID: 29411177.

136: Eli I, Gamboa NT, Joyce EJ, Park MS, Taussky P, Schmidt RH, Couldwell WT, McDonald J, Whitehead KJ, Kalani MYS. Clinical presentation and treatment paradigms in patients with hereditary hemorrhagic telangiectasia and spinal vascular malformations. *J Clin Neurosci*. 2018 Apr;50:51-57. doi: 10.1016/j.jocn.2018.01.010. Epub 2018 Feb 3. PubMed PMID: 29398197.

137: Lee CC, Chong ST, Chen CJ, Hung SC, Yang HC, Lin CJ, Wu CC, Chung WY, Guo WY, Pan DH, Wu HM, Sheehan JP, Lin CP. The timing of stereotactic radiosurgery for medically refractory trigeminal neuralgia: the evidence from diffusion tractography images. *Acta Neurochir (Wien)*. 2018 May;160(5):977-986. doi: 10.1007/s00701-017-3449-9. Epub 2018 Feb 3. PubMed PMID: 29397449.

138: Lewis A, Bernat JL, Blosser S, Bonnie RJ, Epstein LG, Hutchins J, Kirschen MP, Rubin M, Russell JA, Sattin JA, Wijedicks EFM, Greer DM. An interdisciplinary response to contemporary concerns about brain death determination. *Neurology*. 2018 Feb 27;90(9):423-426. doi: 10.1212/WNL.0000000000005033. Epub 2018 Jan 31. PubMed PMID: 29386276.

139: Zdilla MJ, Koons AW, Russell ML, Mangus KR, Bliss KN. The Infraorbital Foramen Is Located Midway Between the Nasospinale and Jugale: Considerations for Infraorbital Nerve Block and Maxillofacial Surgery. *J Craniofac Surg*. 2018 Mar;29(2):523-527. doi: 10.1097/SCS.0000000000004186. PubMed PMID: 29381630; PubMed Central PMCID: PMC5839919.

140: Lee CC, Chen CJ, Chong ST, Hung SC, Yang HC, Lin CJ, Wu CC, Chung WY, Guo WY, Hung-Chi Pan D, Wu HM, Lin CP. Early Stereotactic Radiosurgery for Medically Refractory Trigeminal Neuralgia. *World Neurosurg*. 2018 Apr;112:e569-e575. doi: 10.1016/j.wneu.2018.01.088. Epub 2018 Jan 31. PubMed PMID: 29371169.

141: Gao F, Lucke-Wold BP, Li X, Logsdon AF, Xu LC, Xu S, LaPenna KB, Wang H, Talukder MAH, Siedlecki CA, Huber JD, Rosen CL, He P. Reduction of Endothelial Nitric Oxide Increases the Adhesiveness of Constitutive Endothelial Membrane ICAM-1 through Src-Mediated Phosphorylation. *Front Physiol*. 2018 Jan 10;8:1124. doi: 10.3389/fphys.2017.01124. eCollection 2017. PubMed PMID: 29367846; PubMed Central PMCID: PMC5768177.

142: Reid DBC, Daniels AH, Ailon T, Miller E, Sciubba DM, Smith JS, Shaffrey CI, Schwab F, Burton D, Hart RA, Hostin R, Line B, Bess S, Ames CP; International Spine Study Group. Frailty and Health-Related Quality of Life Improvement Following Adult Spinal Deformity Surgery. *World Neurosurg*. 2018 Apr;112:e548-e554. doi: 10.1016/j.wneu.2018.01.079. Epub 2018 Jan 31. PubMed PMID: 29360585.

143: Connolly NP, Shetty AC, Stokum JA, Hoeschele I, Siegel MB, Miller CR, Kim AJ, Ho CY, Davila E,

Simard JM, Devine SE, Rossmeisl JH, Holland EC, Winkles JA, Woodworth GF. Cross-species transcriptional analysis reveals conserved and host-specific neoplastic processes in mammalian glioma. *Sci Rep*. 2018 Jan 19;8(1):1180. doi: 10.1038/s41598-018-19451-6. PubMed PMID: 29352201; PubMed Central PMCID: PMC5775420.

144: deTorres AT, Brewer CC, Zalewski CK, King KA, Walker R, Scott GC, Asthagiri AR, Chittiboina P, Kim HJ. Audiologic Natural History of Small Volume Cochleovestibular Schwannomas in Neurofibromatosis Type 2. *Otol Neurotol*. 2018 Mar;39(3):357-364. doi: 10.1097/MAO.0000000000001690. PubMed PMID: 29342057; PubMed Central PMCID: PMC5807117.

145: Rush B, Stone DJ, Celi LA. From Big Data to Artificial Intelligence: Harnessing Data Routinely Collected in the Process of Care. *Crit Care Med*. 2018 Feb;46(2):345-346. doi: 10.1097/CCM.0000000000002892. PubMed PMID: 29337803; PubMed Central PMCID: PMC5772897.

146: Langella F, Villafañe JH, Lafage V, Smith JS, Shaffrey C, Kim HJ, Burton D, Hostin R, Bess S, Ames C, Mundis G, Klineberg E, Schwab F, Lafage R, Berjano P. Xiphoid-pubic angle (XPA) correlates with patient's reported outcomes in a population of adult spinal deformity: results from a multi-center cohort study. *Eur Spine J*. 2018 Mar;27(3):670-677. doi: 10.1007/s00586-017-5460-5. Epub 2018 Jan 12. PubMed PMID: 29330576.

147: Hartzell JW, Geary R, Gyure K, Chivukula VR, Haut MW. Completed suicide in an autopsy-confirmed case of early onset Alzheimer's disease. *Neurodegener Dis Manag*. 2018 Apr;8(2):81-88. doi: 10.2217/nmt-2017-0045. Epub 2018 Jan 10. PubMed PMID: 29319406.

148: Lee CC, Chen CJ, Chou CC, Wang HY, Chung WY, Peng GS, Lin CP. Lumbar Dorsal Root Ganglion Block as a Prognostic Tool Before Pulsed Radiofrequency: A Randomized, Prospective, and Comparative Study on Cost-Effectiveness. *World Neurosurg*. 2018 Apr;112:e157-e164. doi: 10.1016/j.wneu.2017.12.183. Epub 2018 Jan 6. PubMed PMID: 29317362.

149: Hosogane N, Ames C, Matsumoto M, Yagi M, Matsuyama Y, Taneichi H, Yamato Y, Takeuchi D, Schwab F, Shaffrey C, Smith JS, Bess S, Lafage V; International Spine Study Group. Ethnic Variations in Radiographic Parameters and SRS-22 Scores in Adult Spinal Deformity: A Comparison Between North American and Japanese Patients Above 50 Years of Age With Minimum 2-Year Follow-up. *Clin Spine Surg*. 2018 Jun;31(5):216-221. doi: 10.1097/BSD.0000000000000610. PubMed PMID: 29315120.

150: Germano IM, Sheehan J, Parish J, Atkins T, Asher A, Hadjipanayis CG, Burri SH, Green S, Olson JJ. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines on the Role of Radiosurgery and Radiation Therapy in the Management of Patients With Vestibular Schwannomas. *Neurosurgery*. 2018 Feb 1;82(2):E49-E51. doi: 10.1093/neuros/nyx515. PubMed PMID: 29309637.

151: Camidge DR, Lee EQ, Lin NU, Margolin K, Ahluwalia MS, Bendszus M, Chang SM, Dancey J, de Vries EGE, Harris GJ, Hodi FS, Lassman AB, Macdonald DR, Peereboom DM, Schiff D, Soffiotti R, van den Bent MJ, Wefel JS, Wen PY. Clinical trial design for systemic agents in patients with brain metastases from solid tumours: a guideline by the Response Assessment in Neuro-Oncology Brain Metastases working group. *Lancet Oncol*. 2018 Jan;19(1):e20-e32. doi: 10.1016/S1470-2045(17)30693-9. Review. PubMed PMID: 29304358.

152: Johnson AEW, Aboab J, Raffa JD, Pollard TJ, Deliberato RO, Celi LA, Stone DJ. A Comparative Analysis of Sepsis Identification Methods in an Electronic Database. *Crit Care Med*. 2018 Apr;46(4):494-499. doi: 10.1097/CCM.0000000000002965. PubMed PMID: 29303796; PubMed Central PMCID: PMC5851804.

153: Moran RJ, Kishida KT, Lohrenz T, Saez I, Laxton AW, Witcher MR, Tatter SB, Ellis TL, Phillips PE,

Dayan P, Montague PR. The Protective Action Encoding of Serotonin Transients in the Human Brain. *Neuropsychopharmacology*. 2018 May;43(6):1425-1435. doi: 10.1038/npp.2017.304. Epub 2018 Jan 3. PubMed PMID: 29297512; PubMed Central PMCID: PMC5916372.

154: Shin SM, Silverman JS, Bowden G, Mathieu D, Yang HC, Lee CC, Tam M, Szelemej P, Kaufmann AM, Cohen-Inbar O, Sheehan J, Niranjana A, Lunsford LD, Kondziolka D. Relapsed or refractory primary central nervous system lymphoma radiosurgery: Report of the International Gamma Knife Research Foundation. *J Radiosurg SBRT*. 2017;4(4):247-253. PubMed PMID: 29296450; PubMed Central PMCID: PMC5658820.

155: Malhotra K, Saeed O, Goyal N, Katsanos AH, Tsivgoulis G. Top-100 Highest-Cited Original Articles in Ischemic Stroke: A Bibliometric Analysis. *World Neurosurg*. 2018 Mar;111:e649-e660. doi: 10.1016/j.wneu.2017.12.140. Epub 2017 Dec 30. PubMed PMID: 29294394.

156: Carreon LY, Kelly MP, Crawford CH 3rd, Baldus CR, Glassman SD, Shaffrey CI, Bridwell KH. SRS-22R Minimum Clinically Important Difference and Substantial Clinical Benefit After Adult Lumbar Scoliosis Surgery. *Spine Deform*. 2018 Jan;6(1):79-83. doi: 10.1016/j.jspd.2017.05.006. PubMed PMID: 29287822; PubMed Central PMCID: PMC5751965.

157: Glassman SD, Bridwell KH, Shaffrey CI, Edwards CC 2nd, Lurie JD, Baldus CR, Carreon LY. Health-Related Quality of Life Scores Underestimate the Impact of Major Complications in Lumbar Degenerative Scoliosis Surgery. *Spine Deform*. 2018 Jan;6(1):67-71. doi: 10.1016/j.jspd.2017.05.003. PubMed PMID: 29287820; PubMed Central PMCID: PMC5751947.

158: Zuckerman SL, Lakomkin N, Stannard BP, Hadjipanayis CG, Shaffrey CI, Smith JS, Cheng JS. Incidence and Predictive Factors of Sepsis Following Adult Spinal Deformity Surgery. *Neurosurgery*. 2018 Nov 1;83(5):965-972. doi: 10.1093/neuros/nyx578. PubMed PMID: 29281103.

159: Jayaraman SP, Anand RJ, DeAntonio JH, Mangino M, Aboutanos MB, Kasirajan V, Ivatury RR, Valadka AB, Glushakova O, Hayes RL, Bachmann LM, Brophy GM, Contaifer D, Warncke UO, Brophy DF, Wijesinghe DS. Metabolomics and Precision Medicine in Trauma: The State of the Field. *Shock*. 2018 Jul;50(1):5-13. doi: 10.1097/SHK.0000000000001093. PubMed PMID: 29280924; PubMed Central PMCID: PMC5995639.

160: Lucke-Wold B, Seidel K, Udo R, Omalu B, Ornstein M, Nolan R, Rosen C, Ross J. Role of Tau Acetylation in Alzheimer's Disease and Chronic Traumatic Encephalopathy: The Way Forward for Successful Treatment. *J Neurol Neurosurg*. 2017;4(2). pii: 140. Epub 2017 Dec 7. PubMed PMID: 29276758; PubMed Central PMCID: PMC5738035.

161: Mirhoseini MF, Hamblin SE, Moore WP, Pouliot J, Jenkins JM, Wang W, Chandrasekhar R, Collier BR, Patel MB. Antioxidant supplementation and atrial arrhythmias in critically ill trauma patients. *J Surg Res*. 2018 Feb;222:10-16. doi: 10.1016/j.jss.2017.09.012. Epub 2017 Oct 31. PubMed PMID: 29273359; PubMed Central PMCID: PMC5745045.

162: Chang JW, Park CK, Lipsman N, Schwartz ML, Ghanouni P, Henderson JM, Gwinn R, Witt J, Tierney TS, Cosgrove GR, Shah BB, Abe K, Taira T, Lozano AM, Eisenberg HM, Fishman PS, Elias WJ. A prospective trial of magnetic resonance-guided focused ultrasound thalamotomy for essential tremor: Results at the 2-year follow-up. *Ann Neurol*. 2018 Jan;83(1):107-114. doi: 10.1002/ana.25126. PubMed PMID: 29265546.

163: Campbell BCV, van Zwam WH, Goyal M, Menon BK, Dippel DWJ, Demchuk AM, Bracard S, White

P, Dávalos A, Majoie CBLM, van der Lugt A, Ford GA, de la Ossa NP, Kelly M, Bourcier R, Donnan GA, Roos YBWEM, Bang OY, Nogueira RG, Devlin TG, van den Berg LA, Clarençon F, Burns P, Carpenter J, Berkhemer OA, Yavagal DR, Pereira VM, Ducrocq X, Dixit A, Quesada H, Epstein J, Davis SM, Jansen O, Rubiera M, Urra X, Micard E, Lingsma HF, Naggara O, Brown S, Guillemin F, Muir KW, van Oostenbrugge RJ, Saver JL, Jovin TG, Hill MD, Mitchell PJ; HERMES collaborators. Effect of general anaesthesia on functional outcome in patients with anterior circulation ischaemic stroke having endovascular thrombectomy versus standard care: a meta-analysis of individual patient data. *Lancet Neurol*. 2018 Jan;17(1):47-53. doi: 10.1016/S1474-4422(17)30407-6. Epub 2017 Dec 16. PubMed PMID: 29263006.

164: Stahel PF, Smith WR, Moore EE, Mehler PS, Weckbach S, Kim FJ, Butler N, Pape HC, Clarke TJ, Makary MA, Clavien PA. The 10(th) anniversary of patient safety in surgery. *Patient Saf Surg*. 2017 Dec 14;11:27. doi: 10.1186/s13037-017-0145-x. eCollection 2017. PubMed PMID: 29259657; PubMed Central PMCID: PMC5731067.

165: Passias PG, Bortz C, Horn S, Segreto F, Poorman G, Jalai C, Daniels A, Hamilton DK, Kim HJ, Sciubba D, Smith JS, Neuman B, Shaffrey C, Lafage V, Lafage R, Protosaltis T, Ames C, Hart R, Mundis G, Eastlack R; International Spine Study Group. Drivers of Cervical Deformity Have a Strong Influence on Achieving Optimal Radiographic and Clinical Outcomes at 1 Year After Cervical Deformity Surgery. *World Neurosurg*. 2018 Apr;112:e61-e68. doi: 10.1016/j.wneu.2017.12.024. Epub 2017 Dec 14. PubMed PMID: 29248781.

166: Son AI, Opfermann JD, McCue C, Ziobro J, Abrahams JH 3rd, Jones K, Morton PD, Ishii S, Oluigbo C, Krieger A, Liu JS, Hashimoto-Torii K, Torii M. An Implantable Micro-Caged Device for Direct Local Delivery of Agents. *Sci Rep*. 2017 Dec 15;7(1):17624. doi: 10.1038/s41598-017-17912-y. PubMed PMID: 29247175; PubMed Central PMCID: PMC5732160.

167: Ciporen J, Gillham H, Noles M, Dillman D, Baskerville M, Haley C, Spight D, Turner RC, Lucke-Wold BP. Crisis Management Simulation: Establishing a Dual Neurosurgery and Anesthesia Training Experience. *J Neurosurg Anesthesiol*. 2018 Jan;30(1):65-70. doi: 10.1097/ANA.0000000000000401. PubMed PMID: 29219894.

168: Colquhoun DA, Naik BI, Durieux ME, Shanks AM, Kheterpal S, Bender SP, Blank RS; MPOG Investigators. Management of 1-Lung Ventilation-Variation and Trends in Clinical Practice: A Report From the Multicenter Perioperative Outcomes Group. *Anesth Analg*. 2018 Feb;126(2):495-502. doi: 10.1213/ANE.0000000000002642. PubMed PMID: 29210790; PubMed Central PMCID: PMC5836497.

169: Deliberato RO, Ko S, Komorowski M, Armengol de La Hoz MA, Frushicheva MP, Raffa JD, Johnson AEW, Celi LA, Stone DJ. Severity of Illness Scores May Misclassify Critically Ill Obese Patients. *Crit Care Med*. 2018 Mar;46(3):394-400. doi: 10.1097/CCM.0000000000002868. PubMed PMID: 29194147.

170: Miller EK, Neuman BJ, Jain A, Daniels AH, Ailon T, Sciubba DM, Kebaish KM, Lafage V, Scheer JK, Smith JS, Bess S, Shaffrey CI, Ames CP; International Spine Study Group. An assessment of frailty as a tool for risk stratification in adult spinal deformity surgery. *Neurosurg Focus*. 2017 Dec;43(6):E3. doi: 10.3171/2017.10.FOCUS17472. PubMed PMID: 29191099.

171: Shaffrey CI, Smith JS, Ames CP, Yagi M, Alanay A, Ha Y. Introduction. Adult spinal deformity. *Neurosurg Focus*. 2017 Dec;43(6):E1. doi: 10.3171/2017.9.FOCUS17599. PubMed PMID: 29191097.

172: Lucke-Wold B, Avula R, Shah N, Borah G, Shrader C. IV Infiltration and Latex Allergy in an Infant: Early Recognition is Key to Prevent Lasting Disability. *Clin Pediatr Dermatol*. 2017;3(1). pii: 7. doi: 10.21767/2472-0143.100028. Epub 2017 Sep 6. PubMed PMID: 29170761; PubMed Central PMCID:

PMC5697754.

173: Soliman H, Ruschin M, Angelov L, Brown PD, Chiang VLS, Kirkpatrick JP, Lo SS, Mahajan A, Oh KS, Sheehan JP, Soltys SG, Sahgal A. Consensus Contouring Guidelines for Postoperative Completely Resected Cavity Stereotactic Radiosurgery for Brain Metastases. *Int J Radiat Oncol Biol Phys*. 2018 Feb 1;100(2):436-442. doi: 10.1016/j.ijrobp.2017.09.047. Epub 2017 Oct 4. PubMed PMID: 29157748.

174: Cappuzzo JM, Knudson KE, Sarin S, Babrowicz J, Cherrick A, Sherman JH. Delayed Traumatic Aortic Pseudoaneurysm Formation Causing Vertebral Body Erosion and Back Pain: Case Report and Literature Review. *World Neurosurg*. 2018 Feb;110:232-239. doi: 10.1016/j.wneu.2017.11.035. Epub 2017 Nov 15. Review. PubMed PMID: 29155110.

175: Rosen DA, Broadman LM. Ring Block of the Penis: A Proven Addition to Multimodal Pain Relief for Newborn Circumcision. *Pediatrics*. 2017 Dec;140(6). pii: e20172678. doi: 10.1542/peds.2017-2678. Epub 2017 Nov 17. PubMed PMID: 29150460.

176: Omalu B, Small GW, Bailes J, Ercoli LM, Merrill DA, Wong KP, Huang SC, Satyamurthy N, Hammers JL, Lee J, Fitzsimmons RP, Barrio JR. Postmortem Autopsy-Confirmation of Antemortem [F-18]FDDNP-PET Scans in a Football Player With Chronic Traumatic Encephalopathy. *Neurosurgery*. 2018 Feb 1;82(2):237-246. doi: 10.1093/neuros/nyx536. PubMed PMID: 29136240.

177: Groth CL, Pusso A, Sperling SA, Huss DS, Elias WJ, Wooten GF, Barrett MJ. Capgras Syndrome in Advanced Parkinson's Disease. *J Neuropsychiatry Clin Neurosci*. 2018 Spring;30(2):160-163. doi: 10.1176/appi.neuropsych.17030052. Epub 2017 Nov 14. PubMed PMID: 29132271.

178: Rowson S, Duma SM, Stemper BD, Shah A, Mihalik JP, Harezlak J, Riggen LD, Giza CC, DiFiori JP, Brooks A, Guskiewicz K, Campbell D, McGinty G, Svoboda SJ, Cameron KL, Broglio SP, McAllister TW, McCrea M. Correlation of Concussion Symptom Profile with Head Impact Biomechanics: A Case for Individual-Specific Injury Tolerance. *J Neurotrauma*. 2018 Feb 15;35(4):681-690. doi: 10.1089/neu.2017.5169. Epub 2018 Jan 19. PubMed PMID: 29132269.

179: Tvrdik P, Kalani MYS. In Vivo Imaging of Microglial Calcium Signaling in Brain Inflammation and Injury. *Int J Mol Sci*. 2017 Nov 8;18(11). pii: E2366. doi: 10.3390/ijms18112366. Review. PubMed PMID: 29117112; PubMed Central PMCID: PMC5713335.

180: Miller EK, Ailon T, Neuman BJ, Klineberg EO, Mundis GM Jr, Sciubba DM, Kebaish KM, Lafage V, Scheer JK, Smith JS, Hamilton DK, Bess S, Shaffrey CI, Ames CP; International Spine Study Group. Assessment of a Novel Adult Cervical Deformity Frailty Index as a Component of Preoperative Risk Stratification. *World Neurosurg*. 2018 Jan;109:e800-e806. doi: 10.1016/j.wneu.2017.10.092. Epub 2017 Oct 26. PubMed PMID: 29107159.

181: Expert Panels on Neurologic and Vascular Imaging:, Schroeder JW, Ptak T, Corey AS, Ahmed O, Biffi WL, Brennan JA, Chandra A, Ginsburg M, Hanley M, Hunt CH, Johnson MM, Kennedy TA, Patel ND, Policeni B, Reitman C, Steigner ML, Stiver SI, Strax R, Whitehead MT, Dill KE. ACR Appropriateness Criteria(®) Penetrating Neck Injury. *J Am Coll Radiol*. 2017 Nov;14(11S):S500-S505. doi: 10.1016/j.jacr.2017.08.038. PubMed PMID: 29101988.

182: Expert Panel on Neurologic Imaging:, Policeni B, Corey AS, Burns J, Conley DB, Crowley RW, Harvey HB, Hoang J, Hunt CH, Jagadeesan BD, Juliano AF, Kennedy TA, Moonis G, Pannell JS, Patel ND, Perlmutter JS, Rosenow JM, Schroeder JW, Whitehead MT, Cornelius RS. ACR Appropriateness Criteria(®) Cranial Neuropathy. *J Am Coll Radiol*. 2017 Nov;14(11S):S406-S420. doi:

10.1016/j.jacr.2017.08.035. PubMed PMID: 29101981.

183: Schuman TA, Senior BA. Long-term management and outcomes after repair of cerebrospinal fluid rhinorrhea related to idiopathic intracranial hypertension. *Curr Opin Otolaryngol Head Neck Surg*. 2018 Feb;26(1):46-51. doi: 10.1097/MOO.0000000000000424. Review. PubMed PMID: 29095707.

184: Tyler PD, Stone DJ, Geisler BP, McLennan S, Celi LA, Rush B. Racial and Geographic Disparities in Interhospital ICU Transfers. *Crit Care Med*. 2018 Jan;46(1):e76-e80. doi: 10.1097/CCM.0000000000002776. PubMed PMID: 29068859; PubMed Central PMCID: PMC5743219.

185: Rush B, Tyler PD, Stone DJ, Geisler BP, Walley KR, Celi LA. Outcomes of Ventilated Patients With Sepsis Who Undergo Interhospital Transfer: A Nationwide Linked Analysis. *Crit Care Med*. 2018 Jan;46(1):e81-e86. doi: 10.1097/CCM.0000000000002777. PubMed PMID: 29068858; PubMed Central PMCID: PMC5734994.

186: Mustafi SM, Harezlak J, Koch KM, Nencka AS, Meier TB, West JD, Giza CC, DiFiori JP, Guskiewicz KM, Mihalik JP, LaConte SM, Duma SM, Broglio SP, Saykin AJ, McCrea M, McAllister TW, Wu YC. Acute White-Matter Abnormalities in Sports-Related Concussion: A Diffusion Tensor Imaging Study from the NCAA-DoD CARE Consortium. *J Neurotrauma*. 2018 Nov 15;35(22):2653-2664. doi: 10.1089/neu.2017.5158. Epub 2018 Aug 15. PubMed PMID: 29065805; PubMed Central PMCID: PMC6238613.

187: Nencka AS, Meier TB, Wang Y, Muftuler LT, Wu YC, Saykin AJ, Harezlak J, Brooks MA, Giza CC, DiFiori J, Guskiewicz KM, Mihalik JP, LaConte SM, Duma SM, Broglio S, McAllister T, McCrea MA, Koch KM. Stability of MRI metrics in the advanced research core of the NCAA-DoD concussion assessment, research and education (CARE) consortium. *Brain Imaging Behav*. 2018 Aug;12(4):1121-1140. doi: 10.1007/s11682-017-9775-y. PubMed PMID: 29064019.

188: Bonasso P, Lucke-Wold BP, Riffon M, Long D, Wilson A, Knight J. The Effect of Sporting Events on Medical Transport Time at a Level 1 Trauma Center: a Retrospective Cohort Study. *W V Med J*. 2017 May-Jun;113(3):44-51. PubMed PMID: 29056781; PubMed Central PMCID: PMC5645076.

189: Srinivasan VM, Ghali MGZ, Reznik OE, Cherian J, Mokin M, Dumont TM, Gaughen JR, Grandhi R, Puri AS, Chen SR, Johnson JN, Kan P. Flow diversion for the treatment of posterior inferior cerebellar artery aneurysms: a novel classification and strategies. *J Neurointerv Surg*. 2018 Jul;10(7):663-668. doi: 10.1136/neurintsurg-2017-013427. Epub 2017 Oct 20. PubMed PMID: 29054914.

190: Albayram O, Kondo A, Mannix R, Smith C, Tsai CY, Li C, Herbert MK, Qiu J, Monuteaux M, Driver J, Yan S, Gormley W, Puccio AM, Okonkwo DO, Lucke-Wold B, Bailes J, Meehan W, Zeidel M, Lu KP, Zhou XZ. Cis P-tau is induced in clinical and preclinical brain injury and contributes to post-injury sequelae. *Nat Commun*. 2017 Oct 17;8(1):1000. doi: 10.1038/s41467-017-01068-4. PubMed PMID: 29042562; PubMed Central PMCID: PMC5645414.

191: Passias PG, Horn SR, Jalai CM, Ramchandran S, Poorman GW, Kim HJ, Smith JS, Sciubba D, Soroceanu A, Ames CP, Hamilton DK, Eastlack R, Burton D, Gupta M, Bess S, Lafage V, Schwab F. Cervical Alignment Changes in Patients Developing Proximal Junctional Kyphosis Following Surgical Correction of Adult Spinal Deformity. *Neurosurgery*. 2018 Oct 1;83(4):675-682. doi: 10.1093/neuros/nyx479. PubMed PMID: 29040759.

192: Felbaum DR, Stewart JJ, Suskin ZD, Gill WH, Sandhu FA. Unilateral C1 Sagittal Split Fractures: An Unusual Entity Revisited. *World Neurosurg*. 2018 Jan;109:263-270. doi: 10.1016/j.wneu.2017.09.206. Epub 2017 Oct 10. PubMed PMID: 29030230.

193: Li P, Fu X, Smith NA, Ziobro J, Curiel J, Tenga MJ, Martin B, Freedman S, Cea-Del Rio CA, Oboti L, Tsuchida TN, Oluigbo C, Yaun A, Magge SN, O'Neill B, Kao A, Zelleke TG, Depositario-Cabacar DT, Ghimbovschi S, Knoblach S, Ho CY, Corbin JG, Goodkin HP, Vicini S, Huntsman MM, Gaillard WD, Valdez G, Liu JS. Loss of CLOCK Results in Dysfunction of Brain Circuits Underlying Focal Epilepsy. *Neuron*. 2017 Oct 11;96(2):387-401.e6. doi: 10.1016/j.neuron.2017.09.044. PubMed PMID: 29024662; PubMed Central PMCID: PMC6233318.

194: Galanis E, Anderson SK, Miller CR, Sarkaria JN, Jaeckle K, Buckner JC, Ligon KL, Ballman KV, Moore DF Jr, Nebozhyn M, Loboda A, Schiff D, Ahluwalia MS, Lee EQ, Gerstner ER, Lesser GJ, Prados M, Grossman SA, Cerhan J, Giannini C, Wen PY; Alliance for Clinical Trials in Oncology and ABTC. Phase I/II trial of vorinostat combined with temozolomide and radiation therapy for newly diagnosed glioblastoma: results of Alliance N0874/ABTC 02. *Neuro Oncol*. 2018 Mar 27;20(4):546-556. doi: 10.1093/neuonc/nox161. PubMed PMID: 29016887; PubMed Central PMCID: PMC5909661.

195: Holtzheimer PE, Husain MM, Lisanby SH, Taylor SF, Whitworth LA, McClintock S, Slavin KV, Berman J, McKhann GM, Patil PG, Rittberg BR, Abosch A, Pandurangi AK, Holloway KL, Lam RW, Honey CR, Neimat JS, Henderson JM, DeBattista C, Rothschild AJ, Pilitsis JG, Espinoza RT, Petrides G, Mogilner AY, Matthews K, Peichel D, Gross RE, Hamani C, Lozano AM, Mayberg HS. Subcallosal cingulate deep brain stimulation for treatment-resistant depression: a multisite, randomised, sham-controlled trial. *Lancet Psychiatry*. 2017 Nov;4(11):839-849. doi: 10.1016/S2215-0366(17)30371-1. Epub 2017 Oct 4. PubMed PMID: 28988904.

196: Ghali MGZ, Srinivasan VM, Cherian J, Kim L, Siddiqui A, Aziz-Sultan MA, Froehler M, Wakhloo A, Sauvageau E, Rai A, Chen SR, Johnson J, Lam SK, Kan P. Pediatric Intracranial Aneurysms: Considerations and Recommendations for Follow-Up Imaging. *World Neurosurg*. 2018 Jan;109:418-431. doi: 10.1016/j.wneu.2017.09.150. Epub 2017 Oct 3. Review. PubMed PMID: 28986225.

197: Diebo BG, Lafage V, Varghese JJ, Gupta M, Kim HJ, Ames C, Kebaish K, Shaffrey C, Hostin R, Obeid I, Burton D, Hart RA, Lafage R, Schwab FJ; International Spine Study Group (ISSG) of Denver, Colorado. After 9 Years of 3-Column Osteotomies, Are We Doing Better? Performance Curve Analysis of 573 Surgeries With 2-Year Follow-up. *Neurosurgery*. 2018 Jul 1;83(1):69-75. doi: 10.1093/neuros/nyx338. PubMed PMID: 28973410.

198: Paisan GM, Ding D, Starke RM, Crowley RW, Liu KC. Shunt-Dependent Hydrocephalus After Aneurysmal Subarachnoid Hemorrhage: Predictors and Long-Term Functional Outcomes. *Neurosurgery*. 2018 Sep 1;83(3):393-402. doi: 10.1093/neuros/nyx393. PubMed PMID: 28973194.

199: Victor KG, Heffron DS, Sokolowski JD, Majumder U, Leblanc A, Mandell JW. Proteomic identification of synaptic caspase substrates. *Synapse*. 2018 Jan;72(1). doi: 10.1002/syn.22014. Epub 2017 Oct 9. PubMed PMID: 28960461.

200: Asher AL, Devin CJ, McCutcheon B, Chotai S, Archer KR, Nian H, Harrell FE, McGirt M, Mummaneni PV, Shaffrey CI, Foley K, Glassman SD, Bydon M. Patient characteristics of smokers undergoing lumbar spine surgery: an analysis from the Quality Outcomes Database. *J Neurosurg Spine*. 2017 Dec;27(6):661-669. doi: 10.3171/2017.4.SPINE16984. Epub 2017 Sep 29. PubMed PMID: 28960162.

201: Agoston D, Arun P, Bellgowan P, Broglio S, Cantu R, Cook D, da Silva UO, Dickstein D, Elder G, Fudge E, Gandy S, Gill J, Glenn JF, Gupta RK, Hinds S, Hoffman S, Lattimore T, Lin A, Lu KP, Maroon J, Okonkwo D, Perl D, Robinson M, Rosen C, Smith D. Military Blast Injury and Chronic

Neurodegeneration: Research Presentations from the 2015 International State-of-the-Science Meeting. *J Neurotrauma*. 2017 Sep;34(S1):S6-S17. doi: 10.1089/neu.2017.5220. PubMed PMID: 28937955; PubMed Central PMCID: PMC5695753.

202: Kelley ME, Kane JM, Espeland MA, Miller LE, Powers AK, Stitzel JD, Urban JE. Head impact exposure measured in a single youth football team during practice drills. *J Neurosurg Pediatr*. 2017 Nov;20(5):489-497. doi: 10.3171/2017.5.PEDS16627. Epub 2017 Sep 12. PubMed PMID: 28937917; PubMed Central PMCID: PMC6258189.

203: Strong MJ, West GA, Woo H, Couture DE, Wilson JA, Munoz LF, Rosen CL, Greenlee JD, van Loveren HR, Iantosca M, Baird CJ, Smith M, McGirt M, Parish J, Asher AL. A Pivotal Randomized Clinical Trial Evaluating the Safety and Effectiveness of a Novel Hydrogel Dural Sealant as an Adjunct to Dural Repair. *Oper Neurosurg (Hagerstown)*. 2017 Apr 1;13(2):204-212. doi: 10.1093/ons/opw004. PubMed PMID: 28927211.

204: Benz LS, Wrensch MR, Schildkraut JM, Bondy ML, Warren JL, Wiemels JL, Claus EB. Quality of life after surgery for intracranial meningioma. *Cancer*. 2018 Jan 1;124(1):161-166. doi: 10.1002/cncr.30975. Epub 2017 Sep 13. PubMed PMID: 28902404.

205: Ghogawala Z, Resnick DK, Glassman SD, Dziura J, Shaffrey CI, Mummaneni PV. Achieving Optimal Outcome for Degenerative Lumbar Spondylolisthesis: Randomized Controlled Trial Results. *Neurosurgery*. 2017 Sep 1;64(CN\_suppl\_1):40-44. doi: 10.1093/neuros/nyx207. PubMed PMID: 28899038.

206: Shepard MJ, Elzoghby MA, Ghanim D, Lopes MBS, Jane JA Jr. Transsphenoidal Surgery for Mixed Pituitary Gangliocytoma-Adenomas. *World Neurosurg*. 2017 Dec;108:310-316. doi: 10.1016/j.wneu.2017.08.174. Epub 2017 Sep 5. PubMed PMID: 28887280.

207: Feldman LA, Fabre MS, Grasso C, Reid D, Broaddus WC, Lanza GM, Spiess BD, Garbow JR, McConnell MJ, Herst PM. Perfluorocarbon emulsions radiosensitize brain tumors in carbogen breathing mice with orthotopic GL261 gliomas. *PLoS One*. 2017 Sep 5;12(9):e0184250. doi: 10.1371/journal.pone.0184250. eCollection 2017. PubMed PMID: 28873460; PubMed Central PMCID: PMC5584944.

208: Trifiletti DM, Sheehan JP, Grover S, Dutta SW, Rusthoven CG, Kavanagh BD, Sahgal A, Showalter TN. National trends in radiotherapy for brain metastases at time of diagnosis of non-small cell lung cancer. *J Clin Neurosci*. 2017 Nov;45:48-53. doi: 10.1016/j.jocn.2017.08.028. Epub 2017 Aug 31. PubMed PMID: 28866073.

209: Yagi M, Ames CP, Keefe M, Hosogane N, Smith JS, Shaffrey CI, Schwab F, Lafage V, Shay Bess R, Matsumoto M, Watanabe K; International Spine Study Group (ISSG). A cost-effectiveness comparisons of adult spinal deformity surgery in the United States and Japan. *Eur Spine J*. 2018 Mar;27(3):678-684. doi: 10.1007/s00586-017-5274-5. Epub 2017 Aug 23. PubMed PMID: 28836012.

210: Dabus G, Brinjikji W, Amar AP, Delgado Almandoz JE, Diaz OM, Jabbour P, Hanel R, Hui F, Kelly M, Layton KF, Miller JW, Levy EI, Moran CJ, Suh DC, Woo H, Sellar R, Hoh B, Evans A, Kallmes DF. Angiographic and clinical outcomes of balloon remodeling versus unassisted coil embolization in the ruptured aneurysm cohort of the GEL THE NEC study. *J Neurointerv Surg*. 2018 May;10(5):446-450. doi: 10.1136/neurintsurg-2017-013326. Epub 2017 Aug 18. PubMed PMID: 28821627.

211: Jain A, Hassanzadeh H, Puvanesarajah V, Klineberg EO, Sciubba DM, Kelly MP, Hamilton DK, Lafage V, Buckland AJ, Passias PG, Protosaltis TS, Lafage R, Smith JS, Shaffrey CI, Kebaish KM; International Spine Study Group. Incidence of perioperative medical complications and mortality

among elderly patients undergoing surgery for spinal deformity: analysis of 3519 patients. *J Neurosurg Spine*. 2017 Nov;27(5):534-539. doi: 10.3171/2017.3.SPINE161011. Epub 2017 Aug 18. PubMed PMID: 28820363.

212: Chahal HS, Kuiper B, Braich PS, Glover AT. Isolated cranio-orbitofacial neurofibroma mimicking vascular malformation. *Orbit*. 2018 Feb;37(1):65-68. doi: 10.1080/01676830.2017.1352609. Epub 2017 Aug 18. PubMed PMID: 28820281.

213: Pan SY, Liu SA, Sun MH, Tsou HK, Lee SD, Chen YJ, Sheehan J, Sheu ML, Pan HC. Outcome of hearing preservation related to tumor morphologic analysis in acoustic neuromas treated by gamma knife radiosurgery. *Radiat Oncol*. 2017 Aug 15;12(1):134. doi: 10.1186/s13014-017-0875-z. PubMed PMID: 28810890; PubMed Central PMCID: PMC5558744.

214: Singh R, Turner RC, Nguyen L, Motwani K, Swatek M, Lucke-Wold BP, Qaiser R. Corrigendum to "Pediatric Traumatic Brain Injury and Autism: Elucidating Shared Mechanisms". *Behav Neurol*. 2017;2017:5652160. doi: 10.1155/2017/5652160. Epub 2017 Jul 16. PubMed PMID: 28790797; PubMed Central PMCID: PMC5534305.

215: Berven SH, Kamper SJ, Gersmeyer NM, Dahl B, Shaffrey CI, Lenke LG, Lewis SJ, Cheung KM, Alanay A, Ito M, Polly DW, Qiu Y, de Kleuver M; AOSpine Knowledge Forum Deformity. An international consensus on the appropriate evaluation and treatment for adults with spinal deformity. *Eur Spine J*. 2018 Mar;27(3):585-596. doi: 10.1007/s00586-017-5241-1. Epub 2017 Aug 5. PubMed PMID: 28780621.

216: Hendrix P, Foreman PM, Harrigan MR, Fisher WS, Vyas NA, Lipsky RH, Lin M, Walters BC, Tubbs RS, Shoja MM, Pittet JF, Mathru M, Griessenauer CJ. Association of cystathionine beta-synthase polymorphisms and aneurysmal subarachnoid hemorrhage. *J Neurosurg*. 2018 Jun;128(6):1771-1777. doi: 10.3171/2017.2.JNS162933. Epub 2017 Aug 4. PubMed PMID: 28777022.

217: McNeil DW, Kennedy SG, Randall CL, Addicks SH, Wright CD, Hursey KG, Vaglienti R. Fear of Pain Questionnaire-9: Brief assessment of pain-related fear and anxiety. *Eur J Pain*. 2018 Jan;22(1):39-48. doi: 10.1002/ejp.1074. Epub 2017 Jul 31. PubMed PMID: 28758306; PubMed Central PMCID: PMC5730485.

218: Logsdon AF, Lucke-Wold BP, Turner RC, Li X, Adkins CE, Mohammad AS, Huber JD, Rosen CL, Lockman PR. A mouse Model of Focal Vascular Injury Induces Astrocyte Reactivity, Tau Oligomers, and Aberrant Behavior. *Arch Neurosci*. 2017 Apr;4(2). pii: e44254. Epub 2017 Apr 30. PubMed PMID: 28758136; PubMed Central PMCID: PMC5529099.

219: Bosetti F, Koenig JI, Ayata C, Back SA, Becker K, Broderick JP, Carmichael ST, Cho S, Cipolla MJ, Corbett D, Corriveau RA, Cramer SC, Ferguson AR, Finklestein SP, Ford BD, Furie KL, Hemmen TM, Iadecola C, Jakeman LB, Janis S, Jauch EC, Johnston KC, Kochanek PM, Kohn H, Lo EH, Lyden PD, Mallard C, McCullough LD, McGavern LM, Meschia JF, Moy CS, Perez-Pinzon MA, Ramadan I, Savitz SI, Schwamm LH, Steinberg GK, Stenzel-Poore MP, Tymianski M, Warach S, Wechsler LR, Zhang JH, Koroshetz W. Translational Stroke Research: Vision and Opportunities. *Stroke*. 2017 Sep;48(9):2632-2637. doi: 10.1161/STROKEAHA.117.017112. Epub 2017 Jul 27. Review. PubMed PMID: 28751554; PubMed Central PMCID: PMC5599159.

220: Patel SH, Poisson LM, Brat DJ, Zhou Y, Cooper L, Snuderl M, Thomas C, Franceschi AM, Griffith B, Flanders AE, Golfinos JG, Chi AS, Jain R. T2-FLAIR Mismatch, an Imaging Biomarker for IDH and 1p/19q Status in Lower-grade Gliomas: A TCGA/TCIA Project. *Clin Cancer Res*. 2017 Oct 15;23(20):6078-6085.

doi: 10.1158/1078-0432.CCR-17-0560. Epub 2017 Jul 27. PubMed PMID: 28751449.

221: Rubenstein R, Chang B, Yue JK, Chiu A, Winkler EA, Puccio AM, Diaz-Arrastia R, Yuh EL, Mukherjee P, Valadka AB, Gordon WA, Okonkwo DO, Davies P, Agarwal S, Lin F, Sarkis G, Yadikar H, Yang Z, Manley GT, Wang KKW; and the TRACK-TBI Investigators, Cooper SR, Dams-O'Connor K, Borrasso AJ, Inoue T, Maas AIR, Menon DK, Schnyer DM, Vassar MJ. Comparing Plasma Phospho Tau, Total Tau, and Phospho Tau-Total Tau Ratio as Acute and Chronic Traumatic Brain Injury Biomarkers. *JAMA Neurol*. 2017 Sep 1;74(9):1063-1072. doi: 10.1001/jamaneurol.2017.0655. PubMed PMID: 28738126; PubMed Central PMCID: PMC5710183.

222: Leung JM, Sands LP, Chen N, Ames C, Berven S, Bozic K, Burch S, Chou D, Covinsky K, Deviren V, Kinjo S, Kramer JH, Ries M, Tay B, Vail T, Weinstein P, Chang S, Meckler G, Newman S, Tsai T, Voss V, Youngblom E; Perioperative Medicine Research Group. Perioperative Gabapentin Does Not Reduce Postoperative Delirium in Older Surgical Patients: A Randomized Clinical Trial. *Anesthesiology*. 2017 Oct;127(4):633-644. doi: 10.1097/ALN.0000000000001804. PubMed PMID: 28727581; PubMed Central PMCID: PMC5605447.

223: Marvin E, Akhter AS, Coppens JR. Recurrent hemorrhage in hemangioblastoma involving the posterior fossa: Case report. *Surg Neurol Int*. 2017 Jun 21;8:122. doi: 10.4103/sni.sni\_91\_17. eCollection 2017. PubMed PMID: 28713626; PubMed Central PMCID: PMC5502298.

224: Trifiletti DM, Mehta GU, Grover S, Sheehan JP. Clinical management and survival of patients with central nervous system hemangiopericytoma in the National Cancer Database. *J Clin Neurosci*. 2017 Oct;44:169-174. doi: 10.1016/j.jocn.2017.06.036. Epub 2017 Jul 12. PubMed PMID: 28711294.

225: Mendel E, Stoicea N, Rao R, Niermeyer W, Revilla S, Cluse M, Sandhu G, Todaro GJ, Bergese SD. Revisiting Postoperative Vision Loss following Non-Ocular Surgery: A Short Review of Etiology and Legal Considerations. *Front Surg*. 2017 Jun 26;4:34. doi: 10.3389/fsurg.2017.00034. eCollection 2017. PubMed PMID: 28695122; PubMed Central PMCID: PMC5483430.

226: Passias PG, Jalai CM, Line BG, Poorman GW, Scheer JK, Smith JS, Shaffrey CI, Burton DC, Fu KG, Klineberg EO, Hart RA, Schwab F, Lafage V, Bess S; International Spine Study Group. Patient profiling can identify patients with adult spinal deformity (ASD) at risk for conversion from nonoperative to surgical treatment: initial steps to reduce ineffective ASD management. *Spine J*. 2018 Feb;18(2):234-244. doi: 10.1016/j.spinee.2017.06.044. Epub 2017 Jul 5. PubMed PMID: 28688984.

227: Mohammed Y, Elhamdani S, Farooq M, Mazagri R. A case report and review of thoracic spinal angiolioma. *Surg Neurol Int*. 2017 Jun 13;8:113. doi: 10.4103/sni.sni\_148\_17. eCollection 2017. PubMed PMID: 28680732; PubMed Central PMCID: PMC5482159.

228: Guerrero WR, Gonzales NR, Sekar P, Kawano-Castillo J, Moomaw CJ, Worrall BB, Langefeld CD, Martini SR, Flaherty ML, Sheth KN, Osborne J, Woo D. Variability in the Use of Platelet Transfusion in Patients with Intracerebral Hemorrhage: Observations from the Ethnic/Racial Variations of Intracerebral Hemorrhage Study. *J Stroke Cerebrovasc Dis*. 2017 Sep;26(9):1974-1980. doi: 10.1016/j.jstrokecerebrovasdis.2017.06.014. Epub 2017 Jun 29. PubMed PMID: 28669659.

229: Lewis A, Cahn-Fuller K, Caplan A. Shouldn't Dead Be Dead?: The Search for a Uniform Definition of Death. *J Law Med Ethics*. 2017 Mar;45(1):112-128. doi: 10.1177/1073110517703105. PubMed PMID: 28661278.

230: Guha R, Boehme A, Demel SL, Li JJ, Cai X, James ML, Koch S, Langefeld CD, Moomaw CJ, Osborne J, Sekar P, Sheth KN, Woodrich E, Worrall BB, Woo D, Chaturvedi S. Aggressiveness of care following intracerebral hemorrhage in women and men. *Neurology*. 2017 Jul 25;89(4):349-354. doi:

10.1212/WNL.0000000000004143. Epub 2017 Jun 28. PubMed PMID: 28659419; PubMed Central PMCID: PMC5574675.

231: Protopsaltis TS, Lafage R, Vira S, Sciubba D, Soroceanu A, Hamilton K, Smith J, Passias PG, Mundis G, Hart R, Schwab F, Klineberg E, Shaffrey C, Lafage V, Ames C; International Spine Study Group. Novel Angular Measures of Cervical Deformity Account for Upper Cervical Compensation and Sagittal Alignment. *Clin Spine Surg.* 2017 Aug;30(7):E959-E967. doi: 10.1097/BSD.0000000000000554. PubMed PMID: 28650879.

232: Raper D, Buell TJ, Ding D, Chen CJ, Starke RM, Liu KC. Pattern of pressure gradient alterations after venous sinus stenting for idiopathic intracranial hypertension predicts stent-adjacent stenosis: a proposed classification system. *J Neurointerv Surg.* 2018 Apr;10(4):391-395. doi: 10.1136/neurintsurg-2017-013135. Epub 2017 Jun 21. PubMed PMID: 28637822.

233: Tunkel AR, Hasbun R, Bhimraj A, Byers K, Kaplan SL, Scheld WM, van de Beek D, Bleck TP, Zunt JR. Reply to Marx et al. *Clin Infect Dis.* 2017 Oct 15;65(8):1429-1430. doi: 10.1093/cid/cix554. PubMed PMID: 28633345; PubMed Central PMCID: PMC5850625.

234: Gum JL, Carreon LY, Kelly MP, Hostin R, Robinson C, Burton DC, Polly DW, Shaffrey CI, LaFage V, Schwab FJ, Ames CP, Kim HJ, Smith JS, Bess RS; International Spine Study Group. Cell Saver for Adult Spinal Deformity Surgery Reduces Cost. *Spine Deform.* 2017 Jul;5(4):272-276. doi: 10.1016/j.jspd.2017.01.005. PubMed PMID: 28622903.

235: LaHue SC, Ostrem JL, Galifianakis NB, San Luciano M, Ziman N, Wang S, Racine CA, Starr PA, Larson PS, Katz M. Parkinson's disease patient preference and experience with various methods of DBS lead placement. *Parkinsonism Relat Disord.* 2017 Aug;41:25-30. doi: 10.1016/j.parkreldis.2017.04.010. Epub 2017 Apr 17. PubMed PMID: 28615151.

236: Cavalli FMG, Remke M, Rampasek L, Peacock J, Shih DJH, Luu B, Garzia L, Torchia J, Nor C, Morrissy AS, Agnihotri S, Thompson YY, Kuzan-Fischer CM, Farooq H, Isaev K, Daniels C, Cho BK, Kim SK, Wang KC, Lee JY, Grajkowska WA, Perek-Polnik M, Vasiljevic A, Faure-Contier C, Jouvett A, Giannini C, Nageswara Rao AA, Li KKW, Ng HK, Eberhart CG, Pollack IF, Hamilton RL, Gillespie GY, Olson JM, Leary S, Weiss WA, Lach B, Chambless LB, Thompson RC, Cooper MK, Vibhakkar R, Hauser P, van Veelen MC, Kros JM, French PJ, Ra YS, Kumabe T, López-Aguilar E, Zitterbart K, Sterba J, Finocchiario G, Massimino M, Van Meir EG, Osuka S, Shofuda T, Klekner A, Zollo M, Leonard JR, Rubin JB, Jabado N, Albrecht S, Mora J, Van Meter TE, Jung S, Moore AS, Hallahan AR, Chan JA, Tirapelli DPC, Carlotti CG, Fouladi M, Pimentel J, Faria CC, Saad AG, Massimi L, Liao LM, Wheeler H, Nakamura H, Elbabaa SK, Perezpeña-Diazconti M, Chico Ponce de León F, Robinson S, Zapotocky M, Lassaletta A, Huang A, Hawkins CE, Tabori U, Bouffet E, Bartels U, Dirks PB, Rutka JT, Bader GD, Reimand J, Goldenberg A, Ramaswamy V, Taylor MD. Intertumoral Heterogeneity within Medulloblastoma Subgroups. *Cancer Cell.* 2017 Jun 12;31(6):737-754.e6. doi: 10.1016/j.ccell.2017.05.005. PubMed PMID: 28609654; PubMed Central PMCID: PMC6163053.

237: Roark C, Vadlamudi V, Chaudhary N, Gemmete JJ, Seinfeld J, Thompson BG, Pandey AS. ABC/2 Method Does not Accurately Predict Cerebral Arteriovenous Malformation Volume. *Neurosurgery.* 2018 Feb 1;82(2):220-225. doi: 10.1093/neuros/nyx139. PubMed PMID: 28605551.

238: DeHart AN, Broaddus WC, Coelho DH. Translabyrinthine vestibular schwannoma resection with simultaneous cochlear implantation. *Cochlear Implants Int.* 2017 Sep;18(5):278-284. doi: 10.1080/14670100.2017.1337665. Epub 2017 Jun 12. Review. PubMed PMID: 28602150.

- 239: Hendrix P, Foreman PM, Harrigan MR, Fisher WS 3rd, Vyas NA, Lipsky RH, Lin M, Walters BC, Tubbs RS, Shoja MM, Pittet JF, Mathru M, Griessenauer CJ. Association of Plasminogen Activator Inhibitor 1 (SERPINE1) Polymorphisms and Aneurysmal Subarachnoid Hemorrhage. *World Neurosurg.* 2017 Sep;105:672-677. doi: 10.1016/j.wneu.2017.05.175. Epub 2017 Jun 6. PubMed PMID: 28599907.
- 240: Masi AT, Rehman AA, Jorgenson LC, Aldag JC. Preclinical biomarker associations with both incident rheumatoid arthritis and its subsequent mortality: sex effects in a 41-year, community-based, case-control cohort study. *Clin Exp Rheumatol.* 2017 Nov-Dec;35(6):966-974. Epub 2017 Jun 5. PubMed PMID: 28598779.
- 241: Videtic GMM, Donington J, Giuliani M, Heinzerling J, Karas TZ, Kelsey CR, Lally BE, Latzka K, Lo SS, Moghanaki D, Movsas B, Rimner A, Roach M, Rodrigues G, Shirvani SM, Simone CB 2nd, Timmerman R, Daly ME. Stereotactic body radiation therapy for early-stage non-small cell lung cancer: Executive Summary of an ASTRO Evidence-Based Guideline. *Pract Radiat Oncol.* 2017 Sep - Oct;7(5):295-301. doi: 10.1016/j.prro.2017.04.014. Epub 2017 Jun 5. PubMed PMID: 28596092.
- 242: Garcia PA, Kos B, Rossmeis JH Jr, Pavliha D, Miklavčič D, Davalos RV. Predictive therapeutic planning for irreversible electroporation treatment of spontaneous malignant glioma. *Med Phys.* 2017 Sep;44(9):4968-4980. doi: 10.1002/mp.12401. Epub 2017 Jul 25. PubMed PMID: 28594449.
- 243: Lucke-Wold B 3rd, Bonasso PC, Turner R, Cassim R. Adenocarcinoma of the Cecum with Rare Splenic Metastasis. *W V Med J.* 2017 Jan-Feb;113(1):32-34. PubMed PMID: 28579648; PubMed Central PMCID: PMC5453505.
- 244: Iverson GL, Gardner AJ, Terry DP, Ponsford JL, Sills AK, Broshek DK, Solomon GS. Predictors of clinical recovery from concussion: a systematic review. *Br J Sports Med.* 2017 Jun;51(12):941-948. doi: 10.1136/bjsports-2017-097729. Review. PubMed PMID: 28566342; PubMed Central PMCID: PMC5466929.
- 245: Griessenauer CJ, Starke RM, Foreman PM, Hendrix P, Harrigan MR, Fisher WS, Vyas NA, Lipsky RH, Lin M, Walters BC, Pittet JF, Mathru M. Associations between endothelin polymorphisms and aneurysmal subarachnoid hemorrhage, clinical vasospasm, delayed cerebral ischemia, and functional outcome. *J Neurosurg.* 2018 May;128(5):1311-1317. doi: 10.3171/2016.12.JNS162594. Epub 2017 May 26. PubMed PMID: 28548598.
- 246: Hwang RS, Turner RC, Radwan W, Singh R, Lucke-Wold B, Tarabishy A, Bhatia S. Relationship of the sinus anatomy to surface landmarks is a function of the sinus size difference between the right and left side: Anatomical study based on CT angiography. *Surg Neurol Int.* 2017 Apr 26;8:58. doi: 10.4103/sni.sni\_351\_16. eCollection 2017. PubMed PMID: 28540124; PubMed Central PMCID: PMC5421199.
- 247: Passias PG, Horn SR, Jalai CM, Poorman G, Bono OJ, Ramchandran S, Smith JS, Scheer JK, Sciubba DM, Hamilton DK, Mundis G, Oh C, Klineberg EO, Lafage V, Shaffrey CI, Ames CP; International Spine Study Group. Comparative analysis of perioperative complications between a multicenter prospective cervical deformity database and the Nationwide Inpatient Sample database. *Spine J.* 2017 Nov;17(11):1633-1640. doi: 10.1016/j.spinee.2017.05.018. Epub 2017 May 17. PubMed PMID: 28527757.
- 248: Alali AS, Mukherjee K, McCredie VA, Golan E, Shah PS, Bardes JM, Hamblin SE, Haut ER, Jackson JC, Khwaja K, Patel NJ, Raj SR, Wilson LD, Nathens AB, Patel MB. Beta-blockers and Traumatic Brain Injury: A Systematic Review, Meta-analysis, and Eastern Association for the Surgery of Trauma Guideline. *Ann Surg.* 2017 Dec;266(6):952-961. doi: 10.1097/SLA.0000000000002286. Review.

PubMed PMID: 28525411; PubMed Central PMCID: PMC5997270.

249: Bailey EK, Nakase-Richardson R, Patel N, Dillahun-Aspillaga C, Ropacki SA, Sander AM, Stevens L, Tang X. Supervision Needs Following Veteran and Service Member Moderate to Severe Traumatic Brain Injury: A VA TBI Model Systems Study. *J Head Trauma Rehabil.* 2017 Jul/Aug;32(4):245-254. doi: 10.1097/HTR.0000000000000317. PubMed PMID: 28520667.

250: Paix A, Antoni D, Adeduntan R, Noël G. Stereotactic radiation therapy of brain metastases from colorectal cancer: A single institution cohort. *Cancer Radiother.* 2017 May;21(3):199-204. doi: 10.1016/j.canrad.2017.01.010. Epub 2017 May 9. PubMed PMID: 28499660.

251: McGirt MJ, Bydon M, Archer KR, Devin CJ, Chotai S, Parker SL, Nian H, Harrell FE Jr, Speroff T, Dittus RS, Philips SE, Shaffrey CI, Foley KT, Asher AL. An analysis from the Quality Outcomes Database, Part 1. Disability, quality of life, and pain outcomes following lumbar spine surgery: predicting likely individual patient outcomes for shared decision-making. *J Neurosurg Spine.* 2017 Oct;27(4):357-369. doi: 10.3171/2016.11.SPINE16526. Epub 2017 May 12. PubMed PMID: 28498074.

252: Asher AL, Devin CJ, Archer KR, Chotai S, Parker SL, Bydon M, Nian H, Harrell FE Jr, Speroff T, Dittus RS, Philips SE, Shaffrey CI, Foley KT, McGirt MJ. An analysis from the Quality Outcomes Database, Part 2. Predictive model for return to work after elective surgery for lumbar degenerative disease. *J Neurosurg Spine.* 2017 Oct;27(4):370-381. doi: 10.3171/2016.8.SPINE16527. Epub 2017 May 12. PubMed PMID: 28498069.

253: Ilyas A, Ding D, Robert Hixson H, Xu Z, Starke RM, Sheehan JP. Volume-staged stereotactic radiosurgery for large intracranial arteriovenous malformations. *J Clin Neurosci.* 2017 Sep;43:202-207. doi: 10.1016/j.jocn.2017.04.020. Epub 2017 May 8. PubMed PMID: 28495425.

254: Geocadin RG, Wijdicks E, Armstrong MJ, Damian M, Mayer SA, Ornato JP, Rabinstein A, Suarez JL, Torbey MT, Dubinsky RM, Lazarou J. Practice guideline summary: Reducing brain injury following cardiopulmonary resuscitation: Report of the Guideline Development, Dissemination, and Implementation Subcommittee of the American Academy of Neurology. *Neurology.* 2017 May 30;88(22):2141-2149. doi: 10.1212/WNL.0000000000003966. Epub 2017 May 10. PubMed PMID: 28490655; PubMed Central PMCID: PMC5447399.

255: Buell TJ, Ramesh A, Ding D, Raper DMS, Chen CJ, Starke RM, Mukherjee S, Crowley RW. Dilated Virchow-Robin Spaces Mimicking a Brainstem Arteriovenous Malformation. *J Neurosci Rural Pract.* 2017 Apr-Jun;8(2):291-293. doi: 10.4103/0976-3147.203826. PubMed PMID: 28479813; PubMed Central PMCID: PMC5402505.

256: Expert Panel on Neurologic Imaging;, Salmela MB, Mortazavi S, Jagadeesan BD, Broderick DF, Burns J, Deshmukh TK, Harvey HB, Hoang J, Hunt CH, Kennedy TA, Khalessi AA, Mack W, Patel ND, Perlmutter JS, Policeni B, Schroeder JW, Setzen G, Whitehead MT, Cornelius RS, Corey AS. ACR Appropriateness Criteria(®) Cerebrovascular Disease. *J Am Coll Radiol.* 2017 May;14(5S):S34-S61. doi: 10.1016/j.jacr.2017.01.051. Review. PubMed PMID: 28473091.

257: Zakrison TL, Polk TM, Dixon R, Ekeh AP, Gross KR, Davis KA, Kurek SJ Jr, Stassen NA, Patel MB. Paying it forward: Four-year analysis of the Eastern Association for the Surgery of Trauma Mentoring Program. *J Trauma Acute Care Surg.* 2017 Jul;83(1):165-169. doi: 10.1097/TA.0000000000001493. PubMed PMID: 28452871; PubMed Central PMCID: PMC5488724.

258: Tempel ZJ, Smith JS, Shaffrey C, Arnold PM, Fehlings MG, Mroz TE, Riew KD, Kanter AS. A

Multicenter Review of Superior Laryngeal Nerve Injury Following Anterior Cervical Spine Surgery. *Global Spine J.* 2017 Apr;7(1 Suppl):7S-11S. doi: 10.1177/2192568216687296. Epub 2017 Apr 1. PubMed PMID: 28451498; PubMed Central PMCID: PMC5400181.

259: O'Neill KR, Fehlings MG, Mroz TE, Smith ZA, Hsu WK, Kanter AS, Steinmetz MP, Arnold PM, Mummaneni PV, Chou D, Nassr A, Qureshi SA, Cho SK, Baird EO, Smith JS, Shaffrey C, Tannoury CA, Tannoury T, Gokaslan ZL, Gum JL, Hart RA, Isaacs RE, Sasso RC, Bumpass DB, Bydon M, Corriveau M, De Giacomo AF, Derakhshan A, Jobse BC, Lubelski D, Lee S, Massicotte EM, Pace JR, Smith GA, Than KD, Riew KD. A Multicenter Study of the Presentation, Treatment, and Outcomes of Cervical Dural Tears. *Global Spine J.* 2017 Apr;7(1 Suppl):58S-63S. doi: 10.1177/2192568216688186. Epub 2017 Apr 1. PubMed PMID: 28451493; PubMed Central PMCID: PMC5400193.

260: Hershman SH, Kunkle WA, Kelly MP, Buchowski JM, Ray WZ, Bumpass DB, Gum JL, Peters CM, Singhatanadgige W, Kim JY, Smith ZA, Hsu WK, Nassr A, Currier BL, Rahman RK, Isaacs RE, Smith JS, Shaffrey C, Thompson SE, Wang JC, Lord EL, Buser Z, Arnold PM, Fehlings MG, Mroz TE, Riew KD. Esophageal Perforation Following Anterior Cervical Spine Surgery: Case Report and Review of the Literature. *Global Spine J.* 2017 Apr;7(1 Suppl):28S-36S. doi: 10.1177/2192568216687535. Epub 2017 Apr 1. PubMed PMID: 28451488; PubMed Central PMCID: PMC5400185.

261: Ailon T, Smith JS, Nassr A, Smith ZA, Hsu WK, Fehlings MG, Fish DE, Wang JC, Hilibrand AS, Mummaneni PV, Chou D, Sasso RC, Traynelis VC, Arnold PM, Mroz TE, Buser Z, Lord EL, Massicotte EM, Sebastian AS, Than KD, Steinmetz MP, Smith GA, Pace J, Corriveau M, Lee S, Riew KD, Shaffrey C. Rare Complications of Cervical Spine Surgery: Pseudomeningocele. *Global Spine J.* 2017 Apr;7(1 Suppl):109S-114S. doi: 10.1177/2192568216687769. Epub 2017 Apr 1. PubMed PMID: 28451481; PubMed Central PMCID: PMC5400191.

262: Traynelis VC, Malone HR, Smith ZA, Hsu WK, Kanter AS, Qureshi SA, Cho SK, Baird EO, Isaacs RE, Rahman RK, Plevaya G, Smith JS, Shaffrey C, Tortolani PJ, Stroh DA, Arnold PM, Fehlings MG, Mroz TE, Riew KD. Rare Complications of Cervical Spine Surgery: Horner's Syndrome. *Global Spine J.* 2017 Apr;7(1 Suppl):103S-108S. doi: 10.1177/2192568216688184. Epub 2017 Apr 1. PubMed PMID: 28451480; PubMed Central PMCID: PMC5400192.

263: Spiotta AM, Derdeyn CP, Tateshima S, Mocco J, Crowley RW, Liu KC, Jensen L, Ebersole K, Reeves A, Lopes DK, Hanel RA, Sauvageau E, Duckwiler G, Siddiqui A, Levy E, Puri A, Pride L, Novakovic R, Chaudry MI, Turner RD, Turk AS. Results of the ANSWER Trial Using the PulseRider for the Treatment of Broad-Necked, Bifurcation Aneurysms. *Neurosurgery.* 2017 Jul 1;81(1):56-65. doi: 10.1093/neuros/nyx085. PubMed PMID: 28449126.

264: Chen CJ, Brown WM, Moomaw CJ, Langefeld CD, Osborne J, Worrall BB, Woo D, Koch S; ERICH Investigators. Alcohol use and risk of intracerebral hemorrhage. *Neurology.* 2017 May 23;88(21):2043-2051. doi: 10.1212/WNL.0000000000003952. Epub 2017 Apr 26. PubMed PMID: 28446657; PubMed Central PMCID: PMC5440244.

265: Gandhoke GS, Kasliwal MK, Smith JS, Nieto J, Ibrahimi D, Park P, Lamarca F, Shaffrey C, Okonkwo DO, Kanter AS. A Multicenter Evaluation of Clinical and Radiographic Outcomes Following High-grade Spondylolisthesis Reduction and Fusion. *Clin Spine Surg.* 2017 May;30(4):E363-E369. doi: 10.1097/BSD.0000000000000218. PubMed PMID: 28437339.

266: Goldschmidt E, Angriman F, Ferreyro B, Agarwal N, Zhou J, Chen K, Tempel ZJ, Gerszten PC, Kanter AS, Okonkwo DO, Passias P, Scheer J, Protosaltis T, Lafage V, Lafage R, Schwab F, Bess S, Ames C, Smith JS, Burton D, Hamilton DK. Design and Testing of 2 Novel Scores That Predict Global Sagittal Alignment Utilizing Cervical or Lumbar Plain Radiographs. *Neurosurgery.* 2018 Feb

1;82(2):163-171. doi: 10.1093/neuros/nyx178. PubMed PMID: 28419292.

267: Rehman AA, Turner RC, Lucke-Wold BP, Boo S. Successful Treatment of Symptomatic Intracranial Carotid Artery Stenosis Using a 24-mm Long Bare Metal Coronary Stent. *World Neurosurg.* 2017 Jun;102:693.e15-693.e19. doi: 10.1016/j.wneu.2017.04.018. Epub 2017 Apr 14. PubMed PMID: 28416412; PubMed Central PMCID: PMC5500919.

268: Scheer JK, Keefe M, Lafage V, Kelly MP, Bess S, Burton DC, Hart RA, Jain A, Lonner BS, Protopsaltis TS, Hostin R, Shaffrey CI, Smith JS, Schwab F, Ames CP. Importance of patient-reported individualized goals when assessing outcomes for adult spinal deformity (ASD): initial experience with a Patient Generated Index (PGI). *Spine J.* 2017 Oct;17(10):1397-1405. doi: 10.1016/j.spinee.2017.04.013. Epub 2017 Apr 13. PubMed PMID: 28414170.

269: Lucke-Wold B, Bonasso PC, Cassim R. Primary colon adenocarcinoma with metastatic disease to the rectum followed by the left axilla. *Am Med Stud Res J.* 2017;4(1):57-61. doi: 10.15422/amsrj.2017.03.009. PubMed PMID: 28393107; PubMed Central PMCID: PMC5380366.

270: Jobst BC, Kapur R, Barkley GL, Bazil CW, Berg MJ, Bergey GK, Boggs JG, Cash SS, Cole AJ, Duchowny MS, Duckrow RB, Edwards JC, Eisenschenk S, Fessler AJ, Fountain NB, Geller EB, Goldman AM, Goodman RR, Gross RE, Gwinn RP, Heck C, Herekar AA, Hirsch LJ, King-Stephens D, Labar DR, Marsh WR, Meador KJ, Miller I, Mizrahi EM, Murro AM, Nair DR, Noe KH, Olejniczak PW, Park YD, Rutecki P, Salanova V, Sheth RD, Skidmore C, Smith MC, Spencer DC, Srinivasan S, Tatum W, Van Ness P, Vossler DG, Wharen RE Jr, Worrell GA, Yoshor D, Zimmerman RS, Skarpaas TL, Morrell MJ. Brain-responsive neurostimulation in patients with medically intractable seizures arising from eloquent and other neocortical areas. *Epilepsia.* 2017 Jun;58(6):1005-1014. doi: 10.1111/epi.13739. Epub 2017 Apr 7. PubMed PMID: 28387951.

271: Slotkin JR, Ross OA, Newman ED, Comrey JL, Watson V, Lee RV, Brosious MM, Gerrity G, Davis SM, Paul J, Miller EL, Feinberg DT, Toms SA. Episode-Based Payment and Direct Employer Purchasing of Healthcare Services: Recent Bundled Payment Innovations and the Geisinger Health System Experience. *Neurosurgery.* 2017 Apr 1;80(4S):S50-S58. doi: 10.1093/neuros/nyx004. PubMed PMID: 28375499.

272: Nagel SJ, Wilson S, Johnson MD, Machado A, Frizon L, Chardon MK, Reddy CG, Gillies GT, Howard MA 3rd. Spinal Cord Stimulation for Spasticity: Historical Approaches, Current Status, and Future Directions. *Neuromodulation.* 2017 Jun;20(4):307-321. doi: 10.1111/ner.12591. Epub 2017 Apr 2. Review. PubMed PMID: 28370802.

273: Smith JS, Line B, Bess S, Shaffrey CI, Kim HJ, Mundis G, Scheer JK, Klineberg E, O'Brien M, Hostin R, Gupta M, Daniels A, Kelly M, Gum JL, Schwab FJ, Lafage V, Lafage R, Ailon T, Passias P, Protopsaltis T, Albert TJ, Riew KD, Hart R, Burton D, Deviren V, Ames CP, Group ISS. The Health Impact of Adult Cervical Deformity in Patients Presenting for Surgical Treatment: Comparison to United States Population Norms and Chronic Disease States Based on the EuroQuol-5 Dimensions Questionnaire. *Neurosurgery.* 2017 May 1;80(5):716-725. doi: 10.1093/neuros/nyx028. PubMed PMID: 28368524.

274: Deguchi S, Katsushima K, Hatanaka A, Shinjo K, Ohka F, Wakabayashi T, Zong H, Natsume A, Kondo Y. Oncogenic effects of evolutionarily conserved noncoding RNA ECONEXIN on gliomagenesis. *Oncogene.* 2017 Aug 10;36(32):4629-4640. doi: 10.1038/onc.2017.88. Epub 2017 Apr 3. PubMed PMID: 28368417.

275: Kuo CC, Su HL, Chang TL, Chiang CY, Sheu ML, Cheng FC, Chen CJ, Sheehan J, Pan HC. Prevention

of Axonal Degeneration by Perineurium Injection of Mitochondria in a Sciatic Nerve Crush Injury Model. *Neurosurgery*. 2017 Mar 1;80(3):475-488. doi: 10.1093/neuros/nyw090. PubMed PMID: 28362972.

276: Walicke P, Abosch A, Asher A, Barker FG 2nd, Ghogawala Z, Harbaugh R, Jehi L, Kestle J, Koroshetz W, Little R, Rubin D, Valadka A, Wisniewski S, Chiocca EA; Workshop Participants. Launching Effectiveness Research to Guide Practice in Neurosurgery: A National Institute Neurological Disorders and Stroke Workshop Report. *Neurosurgery*. 2017 Apr 1;80(4):505-514. doi: 10.1093/neuros/nyw133. PubMed PMID: 28362926; PubMed Central PMCID: PMC5808147.

277: Smith JS, Shaffrey CI, Lafage R, Lafage V, Schwab FJ, Kim HJ, Scheer JK, Protopsaltis T, Passias P, Mundis G, Hart R, Neuman B, Klineberg E, Hostin R, Bess S, Deviren V, Ames CP; ISSG. Three-column osteotomy for correction of cervical and cervicothoracic deformities: alignment changes and early complications in a multicenter prospective series of 23 patients. *Eur Spine J*. 2017 Aug;26(8):2128-2137. doi: 10.1007/s00586-017-5071-1. Epub 2017 Mar 30. PubMed PMID: 28361367.

278: Raper DMS, Buell TJ, Chen CJ, Ding D, Starke RM, Liu KC. Intracranial venous pressures under conscious sedation and general anesthesia. *J Neurointerv Surg*. 2017 Oct;9(10):986-989. doi: 10.1136/neurintsurg-2017-012984. Epub 2017 Mar 30. PubMed PMID: 28360352.

279: Prabhu AV, Crihalmeanu T, Hansberry DR, Agarwal N, Glaser C, Clump DA, Heron DE, Beriwal S. Online palliative care and oncology patient education resources through Google: Do they meet national health literacy recommendations? *Pract Radiat Oncol*. 2017 Sep - Oct;7(5):306-310. doi: 10.1016/j.prro.2017.01.013. Epub 2017 Jan 27. PubMed PMID: 28341318.

280: Scheer JK, Smith JS, Schwab F, Lafage V, Shaffrey CI, Bess S, Daniels AH, Hart RA, Protopsaltis TS, Mundis GM Jr, Sciubba DM, Ailon T, Burton DC, Klineberg E, Ames CP; International Spine Study Group. Development of a preoperative predictive model for major complications following adult spinal deformity surgery. *J Neurosurg Spine*. 2017 Jun;26(6):736-743. doi: 10.3171/2016.10.SPINE16197. Epub 2017 Mar 24. PubMed PMID: 28338449.

281: Parsa FD, Cheng J, Stephan B, Castel N, Kim L, Murariu D, Parsa AA. Bilateral Breast Reduction Without Opioid Analgesics: A Comparative Study. *Aesthet Surg J*. 2017 Sep 1;37(8):892-899. doi: 10.1093/asj/sjx038. PubMed PMID: 28333299.

282: Asuzu D, Chatain GP, Hayes C, Benzo S, McGlotten R, Keil M, Beri A, Sharma ST, Nieman L, Lodish M, Stratakis C, Lonser RR, Oldfield EH, Chittiboina P. Normalized Early Postoperative Cortisol and ACTH Values Predict Nonremission After Surgery for Cushing Disease. *J Clin Endocrinol Metab*. 2017 Jul 1;102(7):2179-2187. doi: 10.1210/jc.2016-3908. PubMed PMID: 28323961; PubMed Central PMCID: PMC6283430.

283: Hendrix P, Foreman PM, Starke RM, Harrigan MR, Fisher WS 3rd, Vyas NA, Lipsky RH, Lin M, Walters BC, Tubbs RS, Shoja MM, Pittet JF, Mathru M, Griessenauer CJ. Associations of Endothelin Polymorphisms and Aneurysm Size at Time of Rupture. *World Neurosurg*. 2017 Jun;102:253-257. doi: 10.1016/j.wneu.2017.03.041. Epub 2017 Mar 18. PubMed PMID: 28323184.

284: Morparia KG, Reddy SK, Olivieri LJ, Spaeder MC, Schuette JJ. Respiratory variation in peak aortic velocity accurately predicts fluid responsiveness in children undergoing neurosurgery under general anesthesia. *J Clin Monit Comput*. 2018 Apr;32(2):221-226. doi: 10.1007/s10877-017-0013-3. Epub 2017 Mar 16. PubMed PMID: 28299589.

285: Turner RC, DiPasquale K, Logsdon AF, Tan Z, Naser ZJ, Huber JD, Rosen CL, Lucke-Wold BP. The role for infarct volume as a surrogate measure of functional outcome following ischemic stroke. *J Syst*

Integr Neurosci. 2016 Dec;2(4). doi: 10.15761/JSIN.1000136. Epub 2016 Oct 11. PubMed PMID: 28299202; PubMed Central PMCID: PMC5347398.

286: Ledonio CG, Burton DC, Crawford CH 3rd, Bess RS, Buchowski JM, Hu SS, Lonner BS, Polly DW Jr, Smith JS, Sanders JO. Current Evidence Regarding Diagnostic Imaging Methods for Pediatric Lumbar Spondylolysis: A Report From the Scoliosis Research Society Evidence-Based Medicine Committee. Spine Deform. 2017 Mar;5(2):97-101. doi: 10.1016/j.jspd.2016.10.006. Review. PubMed PMID: 28259272.

287: Carreon LY, Glassman SD, Shaffrey CI, Fehlings MG, Dahl B, Ames CP, Matsuyama Y, Qiu Y, Mehdian H, Cheung KM, Schwab FJ, Pellisé F, Kebaish KM, Lenke LG. Predictors of Health-Related Quality-of-Life After Complex Adult Spinal Deformity Surgery: A Scolio-RISK-1 Secondary Analysis. Spine Deform. 2017 Mar;5(2):139-144. doi: 10.1016/j.jspd.2016.11.001. PubMed PMID: 28259266.

288: Traenka C, Dougoud D, Simonetti BG, Metso TM, Debette S, Pezzini A, Kloss M, Grond-Ginsbach C, Majersik JJ, Worrall BB, Leys D, Baumgartner R, Caso V, Béjot Y, Compter A, Reiner P, Thijs V, Southerland AM, Bersano A, Brandt T, Gensicke H, Touzé E, Martin JJ, Chabriat H, Tatlisumak T, Lyrer P, Arnold M, Engelter ST; CADISP-Plus Study Group. Cervical artery dissection in patients  $\geq 60$  years: Often painless, few mechanical triggers. Neurology. 2017 Apr 4;88(14):1313-1320. doi: 10.1212/WNL.0000000000003788. Epub 2017 Mar 3. PubMed PMID: 28258079.

289: Nielson JL, Cooper SR, Yue JK, Sorani MD, Inoue T, Yuh EL, Mukherjee P, Petrossian TC, Paquette J, Lum PY, Carlsson GE, Vassar MJ, Lingsma HF, Gordon WA, Valadka AB, Okonkwo DO, Manley GT, Ferguson AR; TRACK-TBI Investigators. Uncovering precision phenotype-biomarker associations in traumatic brain injury using topological data analysis. PLoS One. 2017 Mar 3;12(3):e0169490. doi: 10.1371/journal.pone.0169490. eCollection 2017. PubMed PMID: 28257413; PubMed Central PMCID: PMC5336356.

290: Hendrix P, Foreman PM, Harrigan MR, Fisher WS 3rd, Vyas NA, Lipsky RH, Lin M, Walters BC, Tubbs RS, Shoja MM, Pittet JF, Mathru M, Griessenauer CJ. Endothelial Nitric Oxide Synthase Polymorphism Is Associated with Delayed Cerebral Ischemia Following Aneurysmal Subarachnoid Hemorrhage. World Neurosurg. 2017 May;101:514-519. doi: 10.1016/j.wneu.2017.02.062. Epub 2017 Feb 22. PubMed PMID: 28254540.

291: Wurzelmann M, Romeika J, Sun D. Therapeutic potential of brain-derived neurotrophic factor (BDNF) and a small molecular mimics of BDNF for traumatic brain injury. Neural Regen Res. 2017 Jan;12(1):7-12. doi: 10.4103/1673-5374.198964. Review. PubMed PMID: 28250730; PubMed Central PMCID: PMC5319242.

292: Malchenko S, Sredni ST, Bi Y, Margaryan NV, Boyineni J, Mohanam I, Tomita T, Davuluri RV, Soares MB. Stabilization of HIF-1 $\alpha$  and HIF-2 $\alpha$ , up-regulation of MYCC and accumulation of stabilized p53 constitute hallmarks of CNS-PNET animal model. PLoS One. 2017 Mar 1;12(3):e0173106. doi: 10.1371/journal.pone.0173106. eCollection 2017. PubMed PMID: 28249000; PubMed Central PMCID: PMC5332108.

293: Telomeres Mendelian Randomization Collaboration, Haycock PC, Burgess S, Nounu A, Zheng J, Okoli GN, Bowden J, Wade KH, Timpson NJ, Evans DM, Willeit P, Aviv A, Gaunt TR, Hemani G, Mangino M, Ellis HP, Kurian KM, Pooley KA, Eeles RA, Lee JE, Fang S, Chen WV, Law MH, Bowdler LM, Iles MM, Yang Q, Worrall BB, Markus HS, Hung RJ, Amos CI, Spurdle AB, Thompson DJ, O'Mara TA, Wolpin B, Amundadottir L, Stolzenberg-Solomon R, Trichopoulou A, Onland-Moret NC, Lund E, Duell EJ, Canzian

F, Severi G, Overvad K, Gunter MJ, Tumino R, Svenson U, van Rij A, Baas AF, Bown MJ, Samani NJ, van t'Hof FNG, Tromp G, Jones GT, Kuivaniemi H, Elmore JR, Johansson M, McKay J, Scelo G, Carreras-Torres R, Gaborieau V, Brennan P, Bracci PM, Neale RE, Olson SH, Gallinger S, Li D, Petersen GM, Risch HA, Klein AP, Han J, Abnet CC, Freedman ND, Taylor PR, Maris JM, Aben KK, Kiemeny LA, Vermeulen SH, Wiencke JK, Walsh KM, Wrensch M, Rice T, Turnbull C, Litchfield K, Paternoster L, Standl M, Abecasis GR, SanGiovanni JP, Li Y, Mijatovic V, Sapkota Y, Low SK, Zondervan KT, Montgomery GW, Nyholt DR, van Heel DA, Hunt K, Arking DE, Ashar FN, Sotoodehnia N, Woo D, Rosand J, Comeau ME, Brown WM, Silverman EK, Hokanson JE, Cho MH, Hui J, Ferreira MA, Thompson PJ, Morrison AC, Felix JF, Smith NL, Christiano AM, Petukhova L, Betz RC, Fan X, Zhang X, Zhu C, Langeveld CD, Thompson SD, Wang F, Lin X, Schwartz DA, Fingerlin T, Rotter JI, Cotch MF, Jensen RA, Munz M, Dommisch H, Schaefer AS, Han F, Ollila HM, Hillary RP, Albagha O, Ralston SH, Zeng C, Zheng W, Shu XO, Reis A, Uebe S, Hüffmeier U, Kawamura Y, Otowa T, Sasaki T, Hibberd ML, Davila S, Xie G, Siminovitch K, Bei JX, Zeng YX, Försti A, Chen B, Landi S, Franke A, Fischer A, Ellinghaus D, Flores C, Noth I, Ma SF, Foo JN, Liu J, Kim JW, Cox DG, Delattre O, Mirabeau O, Skibola CF, Tang CS, Garcia-Barcelo M, Chang KP, Su WH, Chang YS, Martin NG, Gordon S, Wade TD, Lee C, Kubo M, Cha PC, Nakamura Y, Levy D, Kimura M, Hwang SJ, Hunt S, Spector T, Soranzo N, Manichaikul AW, Barr RG, Kahali B, Speliotes E, Yerges-Armstrong LM, Cheng CY, Jonas JB, Wong TY, Fogh I, Lin K, Powell JF, Rice K, Relton CL, Martin RM, Davey Smith G. Association Between Telomere Length and Risk of Cancer and Non-Neoplastic Diseases: A Mendelian Randomization Study. *JAMA Oncol.* 2017 May 1;3(5):636-651. doi: 10.1001/jamaoncol.2016.5945. PubMed PMID: 28241208; PubMed Central PMCID: PMC5638008.

294: Scheer JK, Bakhsheshian J, Keefe MK, Lafage V, Bess S, Protopsaltis TS, Burton DC, Hart RA, Shaffrey CI, Schwab F, Smith JS, Smith ZA, Koski TR, Ames CP. Initial Experience With Real-Time Continuous Physical Activity Monitoring in Patients Undergoing Spine Surgery. *Clin Spine Surg.* 2017 Dec;30(10):E1434-E1443. doi: 10.1097/BSD.0000000000000521. PubMed PMID: 28234773.

295: Doddasomayajula R, Chung B, Hamzei-Sichani F, Putman CM, Cebal JR. Differences in Hemodynamics and Rupture Rate of Aneurysms at the Bifurcation of the Basilar and Internal Carotid Arteries. *AJNR Am J Neuroradiol.* 2017 Mar;38(3):570-576. doi: 10.3174/ajnr.A5088. Epub 2017 Feb 16. PubMed PMID: 28209576.

296: Tunkel AR, Hasbun R, Bhimraj A, Byers K, Kaplan SL, Michael Scheld W, van de Beek D, Bleck TP, Garton HJ, Zunt JR. 2017 Infectious Diseases Society of America's Clinical Practice Guidelines for Healthcare-Associated Ventriculitis and Meningitis. *Clin Infect Dis.* 2017 Feb 14. doi: 10.1093/cid/ciw861. [Epub ahead of print] PubMed PMID: 28203777; PubMed Central PMCID: PMC5848239.

297: Hendrix P, Foreman PM, Harrigan MR, Fisher WS Rd, Vyas NA, Lipsky RH, Lin M, Walters BC, Tubbs RS, Shoja MM, Pittet JF, Mathru M, Griessenauer CJ. Impact of High-Mobility Group Box 1 Polymorphism on Delayed Cerebral Ischemia After Aneurysmal Subarachnoid Hemorrhage. *World Neurosurg.* 2017 May;101:325-330. doi: 10.1016/j.wneu.2017.01.121. Epub 2017 Feb 10. PubMed PMID: 28189859.

298: Krzastek SC, Robinson SP, Young HF, Klausner AP. Improvement in lower urinary tract symptoms across multiple domains following ventriculoperitoneal shunting for idiopathic normal pressure hydrocephalus. *Neurourol Urodyn.* 2017 Nov;36(8):2056-2063. doi: 10.1002/nau.23235. Epub 2017 Feb 10. PubMed PMID: 28185313.

299: Lansky AJ, Messé SR, Brickman AM, Dwyer M, van der Worp HB, Lazar RM, Pietras CG, Abrams KJ, McFadden E, Petersen NH, Browndyke J, Prendergast B, Ng VG, Cutlip DE, Kapadia S, Krucoff MW, Linke A, Moy CS, Schofer J, van Es GA, Virmani R, Popma J, Parides MK, Kodali S, Bilello M, Zivadinov R,

Akar J, Furie KL, Gress D, Voros S, Moses J, Greer D, Forrest JK, Holmes D, Kappetein AP, Mack M, Baumbach A. Proposed Standardized Neurological Endpoints for Cardiovascular Clinical Trials: An Academic Research Consortium Initiative. *J Am Coll Cardiol*. 2017 Feb 14;69(6):679-691. doi: 10.1016/j.jacc.2016.11.045. Review. PubMed PMID: 28183511.

300: Lansky AJ, Messé SR, Brickman AM, Dwyer M, Bart van der Worp H, Lazar RM, Pietras CG, Abrams KJ, McFadden E, Petersen NH, Browndyke J, Prendergast B, Ng VG, Cutlip DE, Kapadia S, Krucoff MW, Linke A, Scala Moy C, Schofer J, van Es GA, Virmani R, Popma J, Parides MK, Kodali S, Bilello M, Zivadinov R, Akar J, Furie KL, Gress D, Voros S, Moses J, Greer D, Forrest JK, Holmes D, Kappetein AP, Mack M, Baumbach A. Proposed Standardized Neurological Endpoints for Cardiovascular Clinical Trials: An Academic Research Consortium Initiative. *Eur Heart J*. 2018 May 14;39(19):1687-1697. doi: 10.1093/eurheartj/ehx037. PubMed PMID: 28171522; PubMed Central PMCID: PMC6251670.

301: Turner RC, Naser ZJ, Lucke-Wold BP, Logsdon AF, Vangilder RL, Matsumoto RR, Huber JD, Rosen CL. Single low-dose lipopolysaccharide preconditioning: neuroprotective against axonal injury and modulates glial cells. *Neuroimmunol Neuroinflamm*. 2017 Jan;4:6-15. doi: 10.20517/2347-8659.2016.40. Epub 2017 Jan 20. PubMed PMID: 28164149; PubMed Central PMCID: PMC5289820.

302: Auyong DB, Cantor DA, Green C, Hanson NA. The Effect of Fixation Technique on Continuous Interscalene Nerve Block Catheter Success: A Randomized, Double-Blind Trial. *Anesth Analg*. 2017 Mar;124(3):959-965. doi: 10.1213/ANE.0000000000001811. PubMed PMID: 28151818.

303: Glassman S, Carreon LY, Andersen M, Asher A, Eiskjær S, Gehrchen M, Imagama S, Ishii K, Kaito T, Matsuyama Y, Moridaira H, Mummaneni P, Shaffrey C, Matsumoto M. Predictors of Hospital Readmission and Surgical Site Infection in the United States, Denmark, and Japan: Is Risk Stratification a Universal Language? *Spine (Phila Pa 1976)*. 2017 Sep 1;42(17):1311-1315. doi: 10.1097/BRS.0000000000002082. PubMed PMID: 28146028.

304: Brinjikji W, Amar AP, Delgado Almandoz JE, Diaz O, Jabbour P, Hanel R, Hui F, Kelly M, Layton KD, Miller JW, Levy E, Moran C, Suh DC, Woo H, Sellar R, Ho B, Evans A, Kallmes DF. GEL THE NEC: a prospective registry evaluating the safety, ease of use, and efficacy of the HydroSoft coil as a finishing device. *J Neurointerv Surg*. 2018 Jan;10(1):83-87. doi: 10.1136/neurintsurg-2016-012915. Epub 2017 Jan 30. PubMed PMID: 28138062.

305: Radwan W, Lucke Wold BP, Mason A, Tarabishy A, Serrano CA. Unilateral Frontosphenoid Craniosynostosis: Case Report and a Review of the Literature. *Neurology (EConicon)*. 2017 Jan;4(3):80-83. Epub 2017 Jan 10. PubMed PMID: 28133641; PubMed Central PMCID: PMC5267489.

306: Coccolini F, Stahel PF, Montori G, Biffi W, Horer TM, Catena F, Kluger Y, Moore EE, Peitzman AB, Ivatury R, Coimbra R, Fraga GP, Pereira B, Rizoli S, Kirkpatrick A, Leppaniemi A, Manfredi R, Magnone S, Chiara O, Solaini L, Ceresoli M, Allievi N, Arvieux C, Velmahos G, Balogh Z, Naidoo N, Weber D, Abu-Zidan F, Sartelli M, Ansaloni L. Pelvic trauma: WSES classification and guidelines. *World J Emerg Surg*. 2017 Jan 18;12:5. doi: 10.1186/s13017-017-0117-6. eCollection 2017. Review. PubMed PMID: 28115984; PubMed Central PMCID: PMC5241998.

307: Collier RJ, Nelson BB, Klitzner TS, Saenz AA, Shekelle PG, Lerner CF, Chung PJ. Strategies to Reduce Hospitalizations of Children With Medical Complexity Through Complex Care: Expert Perspectives. *Acad Pediatr*. 2017 May - Jun;17(4):381-388. doi: 10.1016/j.acap.2017.01.006. Epub 2017 Jan 18. PubMed PMID: 28108374.

- 308: Griessenauer CJ, Tubbs RS, Foreman PM, Chua MH, Vyas NA, Lipsky RH, Lin M, Iyer R, Haridas R, Walters BC, Chaudry S, Malieva A, Wilkins S, Harrigan MR, Fisher WS, Shoja MM. Association of renin-angiotensin system genetic polymorphisms and aneurysmal subarachnoid hemorrhage. *J Neurosurg*. 2018 Jan;128(1):86-93. doi: 10.3171/2016.9.JNS161593. Epub 2017 Jan 20. PubMed PMID: 28106497.
- 309: Gomez JA, Lafage V, Scuibba DM, Bess S, Mundis GM Jr, Liabaud B, Hanstein R, Shaffrey C, Kelly M, Ames C, Smith JS, Passias PG, Errico T, Schwab F; International Spine Study Group. Adult Scoliosis Deformity Surgery: Comparison of Outcomes Between One Versus Two Attending Surgeons. *Spine (Phila Pa 1976)*. 2017 Jul 1;42(13):992-998. doi: 10.1097/BRS.0000000000002071. PubMed PMID: 28098740.
- 310: Kim IK, Starke RM, McRae DA, Nasr NM, Caputy A, Cernica GD, Hong RL, Sherman JH. Cumulative volumetric analysis as a key criterion for the treatment of brain metastases. *J Clin Neurosci*. 2017 May;39:142-146. doi: 10.1016/j.jocn.2016.12.006. Epub 2017 Jan 11. PubMed PMID: 28089195.
- 311: Hendrix P, Foreman PM, Harrigan MR, Fisher WS Rd, Vyas NA, Lipsky RH, Lin M, Walters BC, Tubbs RS, Shoja MM, Pittet JF, Mathru M, Griessenauer CJ. Ryanodine Receptor 1 Polymorphism Is Not Associated with Aneurysmal Subarachnoid Hemorrhage or its Clinical Sequelae. *World Neurosurg*. 2017 Apr;100:190-194. doi: 10.1016/j.wneu.2016.12.132. Epub 2017 Jan 10. PubMed PMID: 28087430.
- 312: Palacios EM, Yuh EL, Chang YS, Yue JK, Schnyer DM, Okonkwo DO, Valadka AB, Gordon WA, Maas AIR, Vassar M, Manley GT, Mukherjee P. Resting-State Functional Connectivity Alterations Associated with Six-Month Outcomes in Mild Traumatic Brain Injury. *J Neurotrauma*. 2017 Apr 15;34(8):1546-1557. doi: 10.1089/neu.2016.4752. Epub 2017 Jan 13. PubMed PMID: 28085565; PubMed Central PMCID: PMC5397233.
- 313: Lucke-Wold BP, Logsdon AF, Turner RC, Huber JD, Rosen CL. Endoplasmic Reticulum Stress Modulation as a Target for Ameliorating Effects of Blast Induced Traumatic Brain Injury. *J Neurotrauma*. 2017 Sep;34(S1):S62-S70. doi: 10.1089/neu.2016.4680. Epub 2017 Feb 27. PubMed PMID: 28077004; PubMed Central PMCID: PMC5749601.
- 314: Singh R, Turner RC, Nguyen L, Motwani K, Swatek M, Lucke-Wold BP. Pediatric Traumatic Brain Injury and Autism: Elucidating Shared Mechanisms. *Behav Neurol*. 2016;2016:8781725. doi: 10.1155/2016/8781725. Epub 2016 Dec 15. Review. Erratum in: *Behav Neurol*. 2017;2017:5652160. PubMed PMID: 28074078; PubMed Central PMCID: PMC5198096.
- 315: Coimbra R, Kozar RA, Smith JW, Zarzaur BL, Hauser CJ, Moore FA, Bailey JA, Valadka A, Jurkovich GJ, Jenkins DH, Davis KA, Price MA, Maier RV. The Coalition for National Trauma Research supports the call for a national trauma research action plan. *J Trauma Acute Care Surg*. 2017 Mar;82(3):637-645. doi: 10.1097/TA.0000000000001353. PubMed PMID: 28030499.
- 316: Yoo YD, Lee DH, Cha-Molstad H, Kim H, Mun SR, Ji C, Park SH, Sung KS, Choi SA, Hwang J, Park DM, Kim SK, Park KJ, Kang SH, Oh SC, Ciechanover A, Lee YJ, Kim BY, Kwon YT. Glioma-derived cancer stem cells are hypersensitive to proteasomal inhibition. *EMBO Rep*. 2017 Jan;18(1):150-168. doi: 10.15252/embr.201642360. Epub 2016 Dec 19. Erratum in: *EMBO Rep*. 2017 Sep;18(9):1671. *EMBO Rep*. 2018 Sep;19(9):. PubMed PMID: 27993939; PubMed Central PMCID: PMC5210095.
- 317: Jones RS, Stukenborg GJ. Patient-Reported Outcomes Measurement Information System (PROMIS) Use in Surgical Care: A Scoping Study. *J Am Coll Surg*. 2017 Mar;224(3):245-254.e1. doi: 10.1016/j.jamcollsurg.2016.11.015. Epub 2016 Dec 10. PubMed PMID: 27965131.
- 318: Torchia J, Golbourn B, Feng S, Ho KC, Sin-Chan P, Vasiljevic A, Norman JD, Guilhamon P, Garzia L,

Agamez NR, Lu M, Chan TS, Picard D, de Antonellis P, Khuong-Quang DA, Planello AC, Zeller C, Barsyte-Lovejoy D, Lafay-Cousin L, Letourneau L, Bourgey M, Yu M, Gendoo DMA, Dzamba M, Barszczyk M, Medina T, Riemenschneider AN, Morrissy AS, Ra YS, Ramaswamy V, Remke M, Dunham CP, Yip S, Ng HK, Lu JQ, Mehta V, Albrecht S, Pimentel J, Chan JA, Somers GR, Faria CC, Roque L, Fouladi M, Hoffman LM, Moore AS, Wang Y, Choi SA, Hansford JR, Catchpoole D, Birks DK, Foreman NK, Strother D, Klekner A, Bognár L, Garami M, Hauser P, Hortobágyi T, Wilson B, Hukin J, Carret AS, Van Meter TE, Hwang EI, Gajjar A, Chiou SH, Nakamura H, Toledano H, Fried I, Fults D, Wataya T, Fryer C, Eisenstat DD, Scheinemann K, Fleming AJ, Johnston DL, Michaud J, Zelcer S, Hammond R, Afzal S, Ramsay DA, Sirachainan N, Hongeng S, Larbcharoensub N, Grundy RG, Lulla RR, Fangusaro JR, Druker H, Bartels U, Grant R, Malkin D, McGlade CJ, Nicolaides T, Tihan T, Phillips J, Majewski J, Montpetit A, Bourque G, Bader GD, Reddy AT, Gillespie GY, Warmuth-Metz M, Rutkowski S, Tabori U, Lupien M, Brudno M, Schüller U, Pietsch T, Judkins AR, Hawkins CE, Bouffet E, Kim SK, Dirks PB, Taylor MD, Erdreich-Epstein A, Arrowsmith CH, De Carvalho DD, Rutka JT, Jabado N, Huang A. Integrated (epi)-Genomic Analyses Identify Subgroup-Specific Therapeutic Targets in CNS Rhabdoid Tumors. *Cancer Cell*. 2016 Dec 12;30(6):891-908. doi: 10.1016/j.ccell.2016.11.003. PubMed PMID: 27960086; PubMed Central PMCID: PMC5500911.

319: Raper DM, Ding D, Evans E, Starke RM, Crowley RW, Liu KC, Oldfield EH, Jane JA Jr. Clinical Features, Management Considerations and Outcomes in Case Series of Patients with Parasellar Intracranial Aneurysms Undergoing Anterior Skull Base Surgery. *World Neurosurg*. 2017 Mar;99:424-432. doi: 10.1016/j.wneu.2016.11.150. Epub 2016 Dec 10. PubMed PMID: 27956252.

320: Sciubba DM, Yurter A, Smith JS, Kelly MP, Scheer JK, Goodwin CR, Lafage V, Hart RA, Bess S, Kebaish K, Schwab F, Shaffrey CI, Ames CP; International Spine Study Group (ISSG). A Comprehensive Review of Complication Rates After Surgery for Adult Deformity: A Reference for Informed Consent. *Spine Deform*. 2015 Nov;3(6):575-594. doi: 10.1016/j.jspd.2015.04.005. Epub 2015 Oct 28. PubMed PMID: 27927561.

321: Ailon T, Scheer JK, Lafage V, Schwab FJ, Klineberg E, Sciubba DM, Protosaltis TS, Zebala L, Hostin R, Obeid I, Koski T, Kelly MP, Bess S, Shaffrey CI, Smith JS, Ames CP; International Spine Study Group. Adult Spinal Deformity Surgeons Are Unable to Accurately Predict Postoperative Spinal Alignment Using Clinical Judgment Alone. *Spine Deform*. 2016 Jul;4(4):323-329. doi: 10.1016/j.jspd.2016.02.003. Epub 2016 Jun 16. PubMed PMID: 27927523.

322: Ames CP, Scheer JK, Lafage V, Smith JS, Bess S, Berven SH, Mundis GM, Sethi RK, Deinlein DA, Coe JD, Hey LA, Daubs MD. Adult Spinal Deformity: Epidemiology, Health Impact, Evaluation, and Management. *Spine Deform*. 2016 Jul;4(4):310-322. doi: 10.1016/j.jspd.2015.12.009. Epub 2016 Jun 16. PubMed PMID: 27927522.

323: Hong CS, Pomeranec IJ, Starke RM, Shaffrey ME. Nasoethmoid schwannoma with intracranial extension. Case report and review of the literature. *Br J Neurosurg*. 2018 Oct;32(5):565-566. doi: 10.1080/02688697.2016.1265088. Epub 2016 Dec 6. PubMed PMID: 27923275.

324: Kobeissy FH, Guingab-Cagmat JD, Zhang Z, Moghieb A, Glushakova OY, Mondello S, Boutté AM, Anagli J, Rubenstein R, Bahmad H, Wagner AK, Hayes RL, Wang KK. Neuroproteomics and Systems Biology Approach to Identify Temporal Biomarker Changes Post Experimental Traumatic Brain Injury in Rats. *Front Neurol*. 2016 Nov 22;7:198. eCollection 2016. PubMed PMID: 27920753; PubMed Central PMCID: PMC5118702.

325: Johnson BN, Jia X. 3D printed nerve guidance channels: computer-aided control of geometry,

physical cues, biological supplements and gradients. *Neural Regen Res.* 2016 Oct;11(10):1568-1569. PubMed PMID: 27904481; PubMed Central PMCID: PMC5116829.

326: Lucke-Wold BP, Phillips M, Turner RC, Logsdon AF, Smith KE, Huber JD, Rosen CL, Regele JD. Elucidating the role of compression waves and impact duration for generating mild traumatic brain injury in rats. *Brain Inj.* 2017;31(1):98-105. doi: 10.1080/02699052.2016.1218547. Epub 2016 Nov 23. PubMed PMID: 27880054; PubMed Central PMCID: PMC5247354.

327: Bakhsheshian J, Scheer JK, Gum JL, Horner L, Hostin R, Lafage V, Bess S, Protopsaltis TS, Burton DC, Keefe M, Hart RA, Mundis GM, Shaffrey CI, Schwab F, Smith JS, Ames CP; International Spine Study Group (ISSG). Comparison of Structural Disease Burden to Health-related Quality of Life Scores in 264 Adult Spinal Deformity Patients With 2-Year Follow-up: Novel Insights into Drivers of Disability. *Clin Spine Surg.* 2017 Mar;30(2):E124-E131. doi: 10.1097/BSD.0000000000000470. PubMed PMID: 27875416.

328: Lee RH, Couto E Silva A, Lerner FM, Wilkins CS, Valido SE, Klein DD, Wu CY, Neumann JT, Della-Morte D, Koslow SH, Minagar A, Lin HW. Interruption of perivascular sympathetic nerves of cerebral arteries offers neuroprotection against ischemia. *Am J Physiol Heart Circ Physiol.* 2017 Jan 1;312(1):H182-H188. doi: 10.1152/ajpheart.00482.2016. Epub 2016 Nov 18. PubMed PMID: 27864234.

329: Kanabur P, Guo S, Simonds GR, Kelly DF, Gourdie RG, Verbridge SS, Sheng Z. Patient-derived glioblastoma stem cells respond differentially to targeted therapies. *Oncotarget.* 2016 Dec 27;7(52):86406-86419. doi: 10.18632/oncotarget.13415. PubMed PMID: 27863440; PubMed Central PMCID: PMC5349922.

330: Redmond KJ, Robertson S, Lo SS, Soltys SG, Ryu S, McNutt T, Chao ST, Yamada Y, Ghia A, Chang EL, Sheehan J, Sahgal A. Consensus Contouring Guidelines for Postoperative Stereotactic Body Radiation Therapy for Metastatic Solid Tumor Malignancies to the Spine. *Int J Radiat Oncol Biol Phys.* 2017 Jan 1;97(1):64-74. doi: 10.1016/j.ijrobp.2016.09.014. Epub 2016 Sep 17. PubMed PMID: 27843035; PubMed Central PMCID: PMC5600487.

331: Ciporen JN, Lucke-Wold B, Mendez G, Cameron WE, McCartney S. Endoscopic Management of Cavernous Carotid Surgical Complications: Evaluation of a Simulated Perfusion Model. *World Neurosurg.* 2017 Feb;98:388-396. doi: 10.1016/j.wneu.2016.11.018. Epub 2016 Nov 10. PubMed PMID: 27840204; PubMed Central PMCID: PMC5490663.

332: Hughes DA, Nicholls K, Shankar SP, Sunder-Plassmann G, Koeller D, Nedd K, Vockley G, Hamazaki T, Lachmann R, Ohashi T, Olivetto I, Sakai N, Deegan P, Dimmock D, Eyskens F, Germain DP, Goker-Alpan O, Hachulla E, Jovanovic A, Lourenco CM, Narita I, Thomas M, Wilcox WR, Bichet DG, Schiffmann R, Ludington E, Viereck C, Kirk J, Yu J, Johnson F, Boudes P, Benjamin ER, Lockhart DJ, Barlow C, Skuban N, Castelli JP, Barth J, Feldt-Rasmussen U. Oral pharmacological chaperone migalastat compared with enzyme replacement therapy in Fabry disease: 18-month results from the randomised phase III ATTRACT study. *J Med Genet.* 2017 Apr;54(4):288-296. doi: 10.1136/jmedgenet-2016-104178. Epub 2016 Nov 10. Erratum in: *J Med Genet.* 2018 Apr 16;:. PubMed PMID: 27834756; PubMed Central PMCID: PMC5502308.

333: Redmond KJ, Lo SS, Soltys SG, Yamada Y, Barani IJ, Brown PD, Chang EL, Gerszten PC, Chao ST, Amdur RJ, De Salles AA, Guckenberger M, Teh BS, Sheehan J, Kersh CR, Fehlings MG, Sohn MJ, Chang UK, Ryu S, Gibbs IC, Sahgal A. Consensus guidelines for postoperative stereotactic body radiation therapy for spinal metastases: results of an international survey. *J Neurosurg Spine.* 2017 Mar;26(3):299-306. doi: 10.3171/2016.8.SPINE16121. Epub 2016 Nov 11. PubMed PMID: 27834628;

PubMed Central PMCID: PMC5551391.

334: Scheer JK, Osorio JA, Smith JS, Schwab F, Lafage V, Hart RA, Bess S, Line B, Diebo BG, Protopsaltis TS, Jain A, Ailon T, Burton DC, Shaffrey CI, Klineberg E, Ames CP; International Spine Study Group. Development of Validated Computer-based Preoperative Predictive Model for Proximal Junction Failure (PJF) or Clinically Significant PJK With 86% Accuracy Based on 510 ASD Patients With 2-year Follow-up. *Spine (Phila Pa 1976)*. 2016 Nov 15;41(22):E1328-E1335. PubMed PMID: 27831987.

335: Joshi AA, Vaidya SS, St-Pierre MV, Mikheev AM, Desino KE, Nyandeghe AN, Audus KL, Unadkat JD, Gerk PM. Placental ABC Transporters: Biological Impact and Pharmaceutical Significance. *Pharm Res*. 2016 Dec;33(12):2847-2878. Epub 2016 Sep 19. Review. PubMed PMID: 27644937; PubMed Central PMCID: PMC5384842.

336: Perez-Garcia G, Gama Sosa MA, De Gasperi R, Lashof-Sullivan M, Maudlin-Jeronimo E, Stone JR, Haghighi F, Ahlers ST, Elder GA. Exposure to a Predator Scent Induces Chronic Behavioral Changes in Rats Previously Exposed to Low-level Blast: Implications for the Relationship of Blast-Related TBI to PTSD. *Front Neurol*. 2016 Oct 18;7:176. eCollection 2016. PubMed PMID: 27803688; PubMed Central PMCID: PMC5067529.

337: Lyle LT, Lockman PR, Adkins CE, Mohammad AS, Sechrest E, Hua E, Palmieri D, Liewehr DJ, Steinberg SM, Kloc W, Izycka-Swieszewska E, Duchnowska R, Nayyar N, Brastianos PK, Steeg PS, Gril B. Alterations in Pericyte Subpopulations Are Associated with Elevated Blood-Tumor Barrier Permeability in Experimental Brain Metastasis of Breast Cancer. *Clin Cancer Res*. 2016 Nov 1;22(21):5287-5299. Epub 2016 May 31. PubMed PMID: 27245829; PubMed Central PMCID: PMC5093086.

338: Hart T, Novack TA, Temkin N, Barber J, Dikmen SS, Diaz-Arrastia R, Ricker J, Hesdorffer DC, Jallo J, Hsu NH, Zafonte R. Duration of Posttraumatic Amnesia Predicts Neuropsychological and Global Outcome in Complicated Mild Traumatic Brain Injury. *J Head Trauma Rehabil*. 2016 Nov/Dec;31(6):E1-E9. PubMed PMID: 26828710; PubMed Central PMCID: PMC4738168.

339: Müller SH, Girard SL, Hopfner F, Merner ND, Bourassa CV, Lorenz D, Clark LN, Tittmann L, Soto-Ortolaza AI, Klebe S, Hallett M, Schneider SA, Hodgkinson CA, Lieb W, Wszolek ZK, Pendziwiat M, Lorenzo-Betancor O, Poewe W, Ortega-Cubero S, Seppi K, Rajput A, Hussl A, Rajput AH, Berg D, Dion PA, Wurster I, Shulman JM, Srulijes K, Haubenberger D, Pastor P, Vilariño-Güell C, Postuma RB, Bernard G, Ladwig KH, Dupré N, Jankovic J, Strauch K, Panisset M, Winkelmann J, Testa CM, Reischl E, Zeuner KE, Ross OA, Arzberger T, Chouinard S, Deuschl G, Louis ED, Kühlenbäumer G, Rouleau GA. Genome-wide association study in essential tremor identifies three new loci. *Brain*. 2016 Dec;139(Pt 12):3163-3169. Epub 2016 Oct 20. PubMed PMID: 27797806; PubMed Central PMCID: PMC5382938.

340: Pride GL, Fraser JF, Gupta R, Alberts MJ, Rutledge JN, Fowler R, Ansari SA, Abruzzo T, Albani B, Arthur A, Baxter B, Bulsara KR, Chen M, Delgado Almandoz JE, Gandhi CD, Heck D, Hetts SW, Hirsch JA, Hussain MS, Klucznik R, Lee SK, Mack WJ, Leslie-Mazwi T, McTaggart RA, Meyers PM, Mocco J, Prestigiacomo C, Patsalides A, Rasmussen P, Starke RM, Sunenshine P, Frei D, Jayaraman MV; Standards and Guidelines Committee of the Society of NeuroInterventional Surgery (SNIS). Prehospital care delivery and triage of stroke with emergent large vessel occlusion (ELVO): report of the Standards and Guidelines Committee of the Society of Neurointerventional Surgery. *J Neurointerv Surg*. 2017 Aug;9(8):802-812. doi: 10.1136/neurintsurg-2016-012699. Epub 2016 Oct 5. PubMed PMID: 27707873.

- 341: Conger JR, Ding D, Raper DM, Starke RM, Durst CR, Liu KC, Jensen ME, Evans AJ. Preoperative Embolization of Cerebral Arteriovenous Malformations with Silk Suture and Particles: Technical Considerations and Outcomes. *J Cerebrovasc Endovasc Neurosurg*. 2016 Jun;18(2):90-99. Epub 2016 Jun 30. PubMed PMID: 27790398; PubMed Central PMCID: PMC5081503.
- 342: Fernando AM, Nicholas JS, O'Brien P, Shabani H, Janabi M, Kisenge P, Ellegala DB, Bass RD. A New Source of Nonprofit Neurosurgical Funding. *World Neurosurg*. 2017 Feb;98:603-613. doi: 10.1016/j.wneu.2016.10.084. Epub 2016 Oct 24. Review. PubMed PMID: 27789321.
- 343: Fromer M, Roussos P, Sieberts SK, Johnson JS, Kavanagh DH, Perumal TM, Ruderfer DM, Oh EC, Topol A, Shah HR, Klei LL, Kramer R, Pinto D, Gümüş ZH, Cicek AE, Dang KK, Browne A, Lu C, Xie L, Readhead B, Stahl EA, Xiao J, Parvizi M, Hamamsy T, Fullard JF, Wang YC, Mahajan MC, Derry JM, Dudley JT, Hemby SE, Logsdon BA, Talbot K, Raj T, Bennett DA, De Jager PL, Zhu J, Zhang B, Sullivan PF, Chess A, Purcell SM, Shinobu LA, Mangravite LM, Toyoshima H, Gur RE, Hahn CG, Lewis DA, Haroutunian V, Peters MA, Lipska BK, Buxbaum JD, Schadt EE, Hirai K, Roeder K, Brennand KJ, Katsanis N, Domenici E, Devlin B, Sklar P. Gene expression elucidates functional impact of polygenic risk for schizophrenia. *Nat Neurosci*. 2016 Nov;19(11):1442-1453. doi: 10.1038/nn.4399. Epub 2016 Sep 26. PubMed PMID: 27668389; PubMed Central PMCID: PMC5083142.
- 344: Mason MJ, Golladay G, Jiranek W, Cameron B, Silverman JJ, Zaharakis NM, Plonski P. Depression Moderates the Relationship Between Pain and the Nonmedical Use of Opioid Medication Among Adult Outpatients. *J Addict Med*. 2016 Nov/Dec;10(6):408-413. PubMed PMID: 27559846.
- 345: Ferrero E, Vira S, Ames CP, Kebaish K, Obeid I, O'Brien MF, Gupta MC, Boachie-Adjei O, Smith JS, Mundis GM, Challier V, Protopsaltis TS, Schwab FJ, Lafage V; International Spine Study Group. Analysis of an unexplored group of sagittal deformity patients: low pelvic tilt despite positive sagittal malalignment. *Eur Spine J*. 2016 Nov;25(11):3568-3576. Epub 2015 May 31. PubMed PMID: 26026474.
- 346: Masi AT, Rehman AA, Jorgenson LC, Aldag JC. Increased mortality of incident rheumatoid arthritis versus matched non-RA control subjects: a community-based long-term prospective cohort study. *Clin Exp Rheumatol*. 2017 Mar-Apr;35(2):277-287. Epub 2016 Oct 26. PubMed PMID: 27782866.
- 347: Nogueira RG, Zaidat OO, Castonguay AC, Haussen DC, Martin CO, Holloway WE, Mueller-Kronast N, English J, Linfante I, Dabus G, Malisch TW, Marden FA, Bozorgchami H, Xavier A, Rai AT, Froehler MT, Badruddin A, Nguyen TN, Taqi MA, Abraham MG, Janardhan V, Yoo AJ, Shaltoni H, Abou-Chebl A, Chen PR, Britz GW, Novakovic R, Nanda A, Kaushal R, Issa MA, Frankel MR, Gupta R. Rescue Thrombectomy in Large Vessel Occlusion Strokes Leads to Better Outcomes than Intravenous Thrombolysis Alone: A 'Real World' Applicability of the Recent Trials. *Interv Neurol*. 2016 Sep;5(3-4):101-110. Epub 2016 May 27. PubMed PMID: 27781037; PubMed Central PMCID: PMC5075836.
- 348: Bahrami N, Sharma D, Rosenthal S, Davenport EM, Urban JE, Wagner B, Jung Y, Vaughan CG, Gioia GA, Stitzel JD, Whitlow CT, Maldjian JA. Subconcussive Head Impact Exposure and White Matter Tract Changes over a Single Season of Youth Football. *Radiology*. 2016 Dec;281(3):919-926. Epub 2016 Oct 24. PubMed PMID: 27775478; PubMed Central PMCID: PMC5131834.
- 349: Hopfner F, Haubenberger D, Galpern WR, Gwinn K, Van't Veer A, White S, Bhatia K, Adler CH, Eidelberg D, Ondo W, Stebbins GT, Tanner CM, Helmich RC, Lenz FA, Sillitoe RV, Vaillancourt D, Vitek JL, Louis ED, Shill HA, Frosch MP, Foroud T, Kuhlenbäumer G, Singleton A, Testa CM, Hallett M, Elble R, Deuschl G. Knowledge gaps and research recommendations for essential tremor. *Parkinsonism Relat Disord*. 2016 Dec;33:27-35. doi: 10.1016/j.parkreldis.2016.10.002. Epub 2016 Oct 4. Review. PubMed PMID: 27769649; PubMed Central PMCID: PMC5271603.

- 350: Starke RM, Cappuzzo JM, Erickson NJ, Sherman JH. Pineal cysts and other pineal region malignancies: determining factors predictive of hydrocephalus and malignancy. *J Neurosurg.* 2017 Aug;127(2):249-254. doi: 10.3171/2016.8.JNS16220. Epub 2016 Oct 21. PubMed PMID: 27767399.
- 351: Cheyuo C, Grand W, Balos LL. Near-Infrared Confocal Laser Reflectance Cytoarchitectural Imaging of the Substantia Nigra and Cerebellum in the Fresh Human Cadaver. *World Neurosurg.* 2017 Jan;97:465-470. doi: 10.1016/j.wneu.2016.10.043. Epub 2016 Oct 15. PubMed PMID: 27756668.
- 352: Anderson CD, Falcone GJ, Phuah CL, Radmanesh F, Brouwers HB, Battey TW, Biffi A, Peloso GM, Liu DJ, Ayres AM, Goldstein JN, Viswanathan A, Greenberg SM, Selim M, Meschia JF, Brown DL, Worrall BB, Silliman SL, Tirschwell DL, Flaherty ML, Kraft P, Jagiella JM, Schmidt H, Hansen BM, Jimenez-Conde J, Giralt-Steinhauer E, Elosua R, Cuadrado-Godia E, Soriano C, van Nieuwenhuizen KM, Klijn CJ, Rannikmae K, Samarasekera N, Al-Shahi Salman R, Sudlow CL, Deary IJ, Morotti A, Pezzini A, Pera J, Urbanik A, Pichler A, Enzinger C, Norrving B, Montaner J, Fernandez-Cadenas I, Delgado P, Roquer J, Lindgren A, Slowik A, Schmidt R, Kidwell CS, Kittner SJ, Waddy SP, Langefeld CD, Abecasis G, Willer CJ, Kathiresan S, Woo D, Rosand J; Global Lipids Genetics Consortium and International Stroke Genetics Consortium. Genetic variants in CETP increase risk of intracerebral hemorrhage. *Ann Neurol.* 2016 Nov;80(5):730-740. doi: 10.1002/ana.24780. Epub 2016 Oct 19. PubMed PMID: 27717122; PubMed Central PMCID: PMC5115931.
- 353: Collins MW, Kontos AP, Okonkwo DO, Almquist J, Bailes J, Barisa M, Bazarian J, Bloom OJ, Brody DL, Cantu R, Cardenas J, Clugston J, Cohen R, Echemendia R, Elbin RJ, Ellenbogen R, Fonseca J, Gioia G, Guskiewicz K, Heyer R, Hotz G, Iverson GL, Jordan B, Manley G, Maroon J, McAllister T, McCrea M, Mucha A, Pieroth E, Podell K, Pombo M, Shetty T, Sills A, Solomon G, Thomas DG, Valovich McLeod TC, Yates T, Zafonte R. Statements of Agreement From the Targeted Evaluation and Active Management (TEAM) Approaches to Treating Concussion Meeting Held in Pittsburgh, October 15-16, 2015. *Neurosurgery.* 2016 Dec;79(6):912-929. PubMed PMID: 27741219; PubMed Central PMCID: PMC5119544.
- 354: Onyekwelu I, Glassman SD, Asher AL, Shaffrey CI, Mummaneni PV, Carreon LY. Impact of obesity on complications and outcomes: a comparison of fusion and nonfusion lumbar spine surgery. *J Neurosurg Spine.* 2017 Feb;26(2):158-162. doi: 10.3171/2016.7.SPINE16448. Epub 2016 Oct 14. PubMed PMID: 27740396.
- 355: Ritter AC, Wagner AK, Fabio A, Pugh MJ, Walker WC, Szaflarski JP, Zafonte RD, Brown AW, Hammond FM, Bushnik T, Johnson-Greene D, Shea T, Krellman JW, Rosenthal JA, Dreer LE. Incidence and risk factors of posttraumatic seizures following traumatic brain injury: A Traumatic Brain Injury Model Systems Study. *Epilepsia.* 2016 Dec;57(12):1968-1977. doi: 10.1111/epi.13582. Epub 2016 Oct 14. PubMed PMID: 27739577.
- 356: Zou R, Li D, Wang G, Zhang M, Zhao Y, Yang Z. TAZ Activator Is Involved in IL-10-Mediated Muscle Responses in an Animal Model of Traumatic Brain Injury. *Inflammation.* 2017 Feb;40(1):100-105. doi: 10.1007/s10753-016-0457-5. PubMed PMID: 27718096.
- 357: Turner RC, Lucke-Wold BP, Robson MJ, Lee JM, Bailes JE. Alzheimer's disease and chronic traumatic encephalopathy: Distinct but possibly overlapping disease entities. *Brain Inj.* 2016;30(11):1279-1292. doi: 10.1080/02699052.2016.1193631. Epub 2016 Aug 11. Review. PubMed PMID: 27715315; PubMed Central PMCID: PMC5303562.
- 358: Li Y, Bor YC, Fitzgerald MP, Lee KS, Rekosh D, Hammarskjold ML. An NXF1 mRNA with a retained

intron is expressed in hippocampal and neocortical neurons and is translated into a protein that functions as an Nxf1 cofactor. *Mol Biol Cell*. 2016 Dec 1;27(24):3903-3912. Epub 2016 Oct 5. PubMed PMID: 27708137; PubMed Central PMCID: PMC5170612.

359: Lucke-Wold BP, Logsdon AF, Nguyen L, Eltanahay A, Turner RC, Bonasso P, Knotts C, Moeck A, Maroon JC, Bailes JE, Rosen CL. Supplements, nutrition, and alternative therapies for the treatment of traumatic brain injury. *Nutr Neurosci*. 2018 Feb;21(2):79-91. doi: 10.1080/1028415X.2016.1236174. Epub 2016 Oct 5. Review. PubMed PMID: 27705610; PubMed Central PMCID: PMC5491366.

360: Hu R, Chen J, Lujan B, Lei R, Zhang M, Wang Z, Liao M, Li Z, Wan Y, Liu F, Feng H, Wan Q. Glycine triggers a non-ionotropic activity of GluN2A-containing NMDA receptors to confer neuroprotection. *Sci Rep*. 2016 Oct 3;6:34459. doi: 10.1038/srep34459. PubMed PMID: 27694970; PubMed Central PMCID: PMC5046082.

361: Perez-Garcia G, Gama Sosa MA, De Gasperi R, Lashof-Sullivan M, Maudlin-Jeronimo E, Stone JR, Haghighi F, Ahlers ST, Elder GA. Chronic post-traumatic stress disorder-related traits in a rat model of low-level blast exposure. *Behav Brain Res*. 2018 Mar 15;340:117-125. doi: 10.1016/j.bbr.2016.09.061. Epub 2016 Sep 28. PubMed PMID: 27693852.

362: Daniels AH, Koller H, Hiratzka SL, Mayer M, Meier O, Contag AG, Eltorai AEM, Hiratzka J, Kojo Hamilton D, Shaffrey CI, Smith JS, Bess S, Klineberg EO, Ames CP, Lafage V, Line B, Schwab FJ, Hart RA, Group ISS. Selecting caudal fusion levels: 2 year functional and stiffness outcomes with matched pairs analysis in multilevel fusion to L5 versus S1. *Eur Spine J*. 2017 Jun;26(6):1645-1651. doi: 10.1007/s00586-016-4790-z. Epub 2016 Sep 27. PubMed PMID: 27679430.

363: Dickstein DL, Pullman MY, Fernandez C, Short JA, Kostakoglu L, Knesaurek K, Soleimani L, Jordan BD, Gordon WA, Dams-O'Connor K, Delman BN, Wong E, Tang CY, DeKosky ST, Stone JR, Cantu RC, Sano M, Hof PR, Gandy S. Cerebral [(18)F]T807/AV1451 retention pattern in clinically probable CTE resembles pathognomonic distribution of CTE tauopathy. *Transl Psychiatry*. 2016 Sep 27;6(9):e900. doi: 10.1038/tp.2016.175. PubMed PMID: 27676441; PubMed Central PMCID: PMC5048212.

364: Wang Z, Monteiro CD, Jagodnik KM, Fernandez NF, Gundersen GW, Rouillard AD, Jenkins SL, Feldmann AS, Hu KS, McDermott MG, Duan Q, Clark NR, Jones MR, Kou Y, Goff T, Woodland H, Amaral FM, Szeto GL, Fuchs O, Schüssler-Fiorenza Rose SM, Sharma S, Schwartz U, Bausela XB, Szymkiewicz M, Maroulis V, Salykin A, Barra CM, Kruth CD, Bongio NJ, Mathur V, Todoric RD, Rubin UE, Malatras A, Fulp CT, Galindo JA, Motiejunaite R, Jüschke C, Dishuck PC, Lahl K, Jafari M, Aibar S, Zaravinos A, Steenhuizen LH, Allison LR, Gamallo P, de Andres Segura F, Dae Devlin T, Pérez-García V, Ma'ayan A. Extraction and analysis of signatures from the Gene Expression Omnibus by the crowd. *Nat Commun*. 2016 Sep 26;7:12846. doi: 10.1038/ncomms12846. PubMed PMID: 27667448; PubMed Central PMCID: PMC5052684.

365: Josiah DT, Boo S, Tarabishy A, Bhatia S. Anatomical differences in patients with lumbosacral transitional vertebrae and implications for minimally invasive spine surgery. *J Neurosurg Spine*. 2017 Feb;26(2):137-143. doi: 10.3171/2016.6.SPINE1691. Epub 2016 Sep 23. PubMed PMID: 27661564.

366: Ghogawala Z, Resnick DK, Glassman SD, Dziura J, Shaffrey CI, Mummaneni PV. Randomized controlled trials for degenerative lumbar spondylolisthesis: which patients benefit from lumbar fusion? *J Neurosurg Spine*. 2017 Feb;26(2):260-266. doi: 10.3171/2016.8.SPINE16716. Epub 2016 Sep 23. PubMed PMID: 27661562.

367: Hong CS, Peterson EC, Ding D, Sur S, Hasan D, Dumont AS, Chalouhi N, Jabbour P, Starke RM. Intervention for A randomized trial of unruptured brain arteriovenous malformations (ARUBA) - Eligible

patients: An evidence-based review. Clin Neurol Neurosurg. 2016 Nov;150:133-138. doi: 10.1016/j.clineuro.2016.09.007. Epub 2016 Sep 15. Review. PubMed PMID: 27656780.

368: Avila EK, Chamberlain M, Schiff D, Reijneveld JC, Armstrong TS, Ruda R, Wen PY, Weller M, Koekkoek JA, Mittal S, Arakawa Y, Choucair A, Gonzalez-Martinez J, MacDonald DR, Nishikawa R, Shah A, Vecht CJ, Warren P, van den Bent MJ, DeAngelis LM. Seizure control as a new metric in assessing efficacy of tumor treatment in low-grade glioma trials. Neuro Oncol. 2017 Jan;19(1):12-21. doi: 10.1093/neuonc/now190. Epub 2016 Sep 20. Review. PubMed PMID: 27651472; PubMed Central PMCID: PMC5193028.

369: Bakhsheshian J, Scheer JK, Gum JL, Hostin R, Lafage V, Bess S, Protopsaltis TS, Burton DC, Keefe MK, Hart RA, Mundis GM Jr, Shaffrey CI, Schwab F, Smith JS, Ames CP; International Spine Study Group. Impact of poor mental health in adult spinal deformity patients with poor physical function: a retrospective analysis with a 2-year follow-up. J Neurosurg Spine. 2017 Jan;26(1):116-124. doi: 10.3171/2016.5.SPINE151428. Epub 2016 Aug 19. PubMed PMID: 27541847.

370: Gum JL, Hostin R, Robinson C, Kelly MP, Carreon LY, Polly DW, Bess RS, Burton DC, Shaffrey CI, Smith JS, LaFage V, Schwab FJ, Ames CP, Glassman SD; International Spine Study Group. Impact of cost valuation on cost-effectiveness in adult spine deformity surgery. Spine J. 2017 Jan;17(1):96-101. doi: 10.1016/j.spinee.2016.08.020. Epub 2016 Aug 11. PubMed PMID: 27523283.

371: Fahed E, Ghauche J, Rahme R, Okais N, Samaha E, Nohra G, Rizk T, Maarrawi J, Menassa-Moussa L, Moussa R. Antithrombotic Medication Use and Misuse Among Patients with Intracranial Hemorrhage: A 16-Year, Lebanese, Single-Center Experience. World Neurosurg. 2016 Nov;95:143-147. doi: 10.1016/j.wneu.2016.07.109. Epub 2016 Aug 10. PubMed PMID: 27521729.

372: Shapiro BA, Vu NT, Shultz MD, Shultz JC, Mietla JA, Gouda MM, Yacoub A, Dent P, Fisher PB, Park MA, Chalfant CE. Melanoma Differentiation-associated Gene 7/IL-24 Exerts Cytotoxic Effects by Altering the Alternative Splicing of Bcl-x Pre-mRNA via the SRC/PKC $\delta$  Signaling Axis. J Biol Chem. 2016 Oct 7;291(41):21669-21681. Epub 2016 Aug 12. PubMed PMID: 27519412; PubMed Central PMCID: PMC5076836.

373: Sonabend AM, Zacharia BE, Cloney MB, Sonabend A, Showers C, Ebiana V, Nazarian M, Swanson KR, Baldock A, Brem H, Bruce JN, Butler W, Cahill DP, Carter B, Orringer DA, Roberts DW, Sager O, Sanai N, Schwartz TH, Silbergeld DL, Sisti MB, Thompson RC, Waziri AE, Ghogawala Z, McKhann G 2nd. Defining Glioblastoma Resectability Through the Wisdom of the Crowd: A Proof-of-Principle Study. Neurosurgery. 2017 Apr 1;80(4):590-601. doi: 10.1227/NEU.0000000000001374. PubMed PMID: 27509070.

374: Mohan A, Roberto AJ, Mohan A, Lorenzo A, Jones K, Carney MJ, Liogier-Weyback L, Hwang S, Lapidus KA. The Significance of the Default Mode Network (DMN) in Neurological and Neuropsychiatric Disorders: A Review. Yale J Biol Med. 2016 Mar 24;89(1):49-57. eCollection 2016 Mar. Review. PubMed PMID: 27505016; PubMed Central PMCID: PMC4797836.

375: Patel ND, Broderick DF, Burns J, Deshmukh TK, Fries IB, Harvey HB, Holly L, Hunt CH, Jagadeesan BD, Kennedy TA, O'Toole JE, Perlmutter JS, Policeni B, Rosenow JM, Schroeder JW, Whitehead MT, Cornelius RS, Corey AS. ACR Appropriateness Criteria Low Back Pain. J Am Coll Radiol. 2016 Sep;13(9):1069-78. doi: 10.1016/j.jacr.2016.06.008. Epub 2016 Aug 3. PubMed PMID: 27496288.

376: Krzastek SC, Bruch WM, Robinson SP, Young HF, Klausner AP. Characterization of lower urinary tract symptoms in patients with idiopathic normal pressure hydrocephalus. NeuroUrol Urodyn. 2017

Apr;36(4):1167-1173. doi: 10.1002/nau.23084. Epub 2016 Aug 4. PubMed PMID: 27490149.

377: Jusué-Torres I, Lu J, Robison J, Hoffberger JB, Hulbert A, Sanyal A, Wemmer J, Elder BD, Rigamonti D. NPH Log: Validation of a New Assessment Tool Leading to Earlier Diagnosis of Normal Pressure Hydrocephalus. *Cureus*. 2016 Jun 27;8(6):e659. doi: 10.7759/cureus.659. PubMed PMID: 27489752; PubMed Central PMCID: PMC4963229.

378: Stone DJ, Csete M. Actuating critical care therapeutics. *J Crit Care*. 2016 Oct;35:90-5. doi: 10.1016/j.jcrc.2016.05.002. Epub 2016 May 10. Review. PubMed PMID: 27481741.

379: Miranda SG, Liu Y, Morrison SD, Sood RF, Gallagher T, Gougoutas AJ, Colohan SM, Louie O, Mathes DW, Neligan PC, Said HK. Improved healthcare economic outcomes after liposomal bupivacaine administration in first-stage breast reconstruction. *J Plast Reconstr Aesthet Surg*. 2016 Oct;69(10):1456-7. doi: 10.1016/j.bjps.2016.06.031. Epub 2016 Jul 11. PubMed PMID: 27475335.

380: Raper D, Louveau A, Kipnis J. How Do Meningeal Lymphatic Vessels Drain the CNS? *Trends Neurosci*. 2016 Sep;39(9):581-586. doi: 10.1016/j.tins.2016.07.001. Epub 2016 Jul 25. Review. PubMed PMID: 27460561; PubMed Central PMCID: PMC5002390.

381: Rossmeisl JH, Clapp K, Pancotto TE, Emch S, Robertson JL, Debinski W. Canine Butterfly Glioblastomas: A Neuroradiological Review. *Front Vet Sci*. 2016 May 19;3:40. doi: 10.3389/fvets.2016.00040. eCollection 2016. PubMed PMID: 27458589; PubMed Central PMCID: PMC4931820.

382: Raper DM, Ding D, Peterson EC, Crowley RW, Liu KC, Chalouhi N, Hasan DM, Dumont AS, Jabbour P, Starke RM. Cavernous carotid aneurysms: a new treatment paradigm in the era of flow diversion. *Expert Rev Neurother*. 2017 Feb;17(2):155-163. doi: 10.1080/14737175.2016.1212661. Epub 2016 Jul 27. Review. PubMed PMID: 27451048.

383: Gornet MF, Burkus JK, Shaffrey ME, Nian H, Harrell FE Jr. Cervical Disc Arthroplasty with Prestige LP Disc Versus Anterior Cervical Discectomy and Fusion: Seven-Year Outcomes. *Int J Spine Surg*. 2016 Jun 22;10:24. doi: 10.14444/3024. eCollection 2016. PubMed PMID: 27441182; PubMed Central PMCID: PMC4943164.

384: Protopsaltis T, Bronsard N, Soroceanu A, Henry JK, Lafage R, Smith J, Klineberg E, Mundis G, Kim HJ, Hostin R, Hart R, Shaffrey C, Bess S, Ames C; International Spine Study Group. Cervical sagittal deformity develops after PJK in adult thoracolumbar deformity correction: radiographic analysis utilizing a novel global sagittal angular parameter, the CTPA. *Eur Spine J*. 2017 Apr;26(4):1111-1120. doi: 10.1007/s00586-016-4653-7. Epub 2016 Jul 20. PubMed PMID: 27437690.

385: Frontera JA, Provencio JJ, Sehba FA, McIntyre TM, Nowacki AS, Gordon E, Weimer JM, Aledort L. The Role of Platelet Activation and Inflammation in Early Brain Injury Following Subarachnoid Hemorrhage. *Neurocrit Care*. 2017 Feb;26(1):48-57. doi: 10.1007/s12028-016-0292-4. PubMed PMID: 27430874.

386: Ritter AC, Wagner AK, Szaflarski JP, Brooks MM, Zafonte RD, Pugh MJ, Fabio A, Hammond FM, Dreer LE, Bushnik T, Walker WC, Brown AW, Johnson-Greene D, Shea T, Krellman JW, Rosenthal JA. Prognostic models for predicting posttraumatic seizures during acute hospitalization, and at 1 and 2 years following traumatic brain injury. *Epilepsia*. 2016 Sep;57(9):1503-14. doi: 10.1111/epi.13470. Epub 2016 Jul 19. PubMed PMID: 27430564.

387: Purdy PD, South C, Klucznik RP, Liu KC, Novakovic RL, Puri AS, Pride GL, Aagaard-Kienitz B, Ray A, Elliott AC. Use of a pressure sensing sheath: comparison with standard means of blood pressure

monitoring in catheterization procedures. *J Neurointerv Surg.* 2017 Aug;9(8):766-771. doi: 10.1136/neurintsurg-2016-012536. Epub 2016 Jul 15. PubMed PMID: 27422970; PubMed Central PMCID: PMC5583680.

388: Kim HJ, Iyer S, Zebala LP, Kelly MP, Sciubba D, Protopsaltis TS, Gupta M, Neuman BJ, Mundis GM, Ames CP, Smith JS, Hart R, Burton D, Klineberg EO; International Spine Study Group (ISSG). Perioperative Neurologic Complications in Adult Spinal Deformity Surgery: Incidence and Risk Factors in 564 Patients. *Spine (Phila Pa 1976).* 2017 Mar 15;42(6):420-427. doi: 10.1097/BRS.0000000000001774. PubMed PMID: 27398890.

389: Shafi S, Collinsworth AW, Richter KM, Alam HB, Becker LB, Bullock MR, Ecklund JM, Gallagher J, Gandhi R, Haut ER, Hickman ZL, Hotz H, McCarthy J, Valadka AB, Weigelt J, Holcomb JB. Bundles of care for resuscitation from hemorrhagic shock and severe brain injury in trauma patients-Translating knowledge into practice. *J Trauma Acute Care Surg.* 2016 Oct;81(4):780-94. doi: 10.1097/TA.0000000000001161. PubMed PMID: 27389129.

390: De la Garza Ramos R, Jain A, Nakhla J, Nasser R, Puvanesarajah V, Hassanzadeh H, Yassari R, Sciubba DM. Postoperative Morbidity and Mortality After Elective Anterior Cervical Fusion in Patients with Chronic and End-Stage Renal Disease. *World Neurosurg.* 2016 Nov;95:480-485. doi: 10.1016/j.wneu.2016.06.096. Epub 2016 Jun 29. PubMed PMID: 27373417.

391: Bonda DJ, Manjila S, Mehndiratta P, Khan F, Miller BR, Onwuzulike K, Puoti G, Cohen ML, Schonberger LB, Cali I. Human prion diseases: surgical lessons learned from iatrogenic prion transmission. *Neurosurg Focus.* 2016 Jul;41(1):E10. doi: 10.3171/2016.5.FOCUS15126. Review. PubMed PMID: 27364252; PubMed Central PMCID: PMC5082740.

392: Lee CC, Sheehan JP, Kano H, Akpınar B, Martinez-Alvarez R, Martinez-Moreno N, Guo WY, Lunsford LD, Liu KD. Gamma Knife radiosurgery for hemangioma of the cavernous sinus. *J Neurosurg.* 2017 May;126(5):1498-1505. doi: 10.3171/2016.4.JNS152097. Epub 2016 Jun 24. PubMed PMID: 27341049.

393: Turner RC, Lucke-Wold BP, Hwang R, Underwood BD. Lung cancer metastasis presenting as a solitary skull mass. *J Surg Case Rep.* 2016 Jun 23;2016(6). pii: rjw116. doi: 10.1093/jscr/rjw116. PubMed PMID: 27340229; PubMed Central PMCID: PMC4918473.

394: Turner RC, Lucke-Wold BP, Josiah D, Gonzalez J, Schmidt M, Tarabishy AR, Bhatia S. Stereotactic radiosurgery planning based on time-resolved CTA for arteriovenous malformation: a case report and review of the literature. *Acta Neurochir (Wien).* 2016 Aug;158(8):1555-62. doi: 10.1007/s00701-016-2874-5. Epub 2016 Jun 23. Review. PubMed PMID: 27334738; PubMed Central PMCID: PMC4944162.

395: Claassen DO, Dobolyi DG, Isaacs DA, Roman OC, Herb J, Wylie SA, Neimat JS, Donahue MJ, Hedera P, Zald DH, Landman BA, Bowman AB, Dawant BM, Rane S. Linear and Curvilinear Trajectories of Cortical Loss with Advancing Age and Disease Duration in Parkinson's Disease. *Aging Dis.* 2016 May 27;7(3):220-9. doi: 10.14336/AD.2015.1110. eCollection 2016 May. PubMed PMID: 27330836; PubMed Central PMCID: PMC4898918.

396: Bates MC. Avoiding collateral damage in the war on hypertension. *Catheter Cardiovasc Interv.* 2016 Jun;87(7):1304-5. doi: 10.1002/ccd.26600. PubMed PMID: 27310757.

397: Griessenauer CJ, Tubbs RS, Foreman PM, Chua MH, Vyas NA, Lipsky RH, Lin M, Iyer R, Haridas R,

Walters BC, Chaudry S, Malieva A, Wilkins S, Harrigan MR, Fisher WS 3rd, Shoja MM. Associations of renin-angiotensin system genetic polymorphisms and clinical course after aneurysmal subarachnoid hemorrhage. *J Neurosurg*. 2017 May;126(5):1585-1597. doi: 10.3171/2016.4.JNS16409. Epub 2016 Jun 10. PubMed PMID: 27285537.

398: Burgett ME, Lathia JD, Roth P, Nowacki AS, Galileo DS, Pugacheva E, Huang P, Vasanji A, Li M, Byzova T, Mikkelsen T, Bao S, Rich JN, Weller M, Gladson CL. Direct contact with perivascular tumor cells enhances integrin  $\alpha v \beta 3$  signaling and migration of endothelial cells. *Oncotarget*. 2016 Jul 12;7(28):43852-43867. doi: 10.18632/oncotarget.9700. PubMed PMID: 27270311; PubMed Central PMCID: PMC5190064.

399: Scheer JK, Hostin R, Robinson C, Schwab F, Lafage V, Burton DC, Hart RA, Kelly MP, Keefe M, Polly D, Bess S, Shaffrey CI, Smith JS, Ames CP; International Spine Study Group. Operative Management of Adult Spinal Deformity Results in Significant Increases in QALYs Gained Compared to Nonoperative Management: Analysis of 479 Patients With Minimum 2-Year Follow-Up. *Spine (Phila Pa 1976)*. 2018 Mar 1;43(5):339-347. doi: 10.1097/BRS.0000000000001626. PubMed PMID: 27253084.

400: Iacovazzo D, Caswell R, Bunce B, Jose S, Yuan B, Hernández-Ramírez LC, Kapur S, Caimari F, Evanson J, Ferraù F, Dang MN, Gabrovská P, Larkin SJ, Ansorge O, Rodd C, Vance ML, Ramírez-Rentería C, Mercado M, Goldstone AP, Buchfelder M, Burren CP, Gurlek A, Dutta P, Choong CS, Cheetham T, Trivellin G, Stratakis CA, Lopes MB, Grossman AB, Trouillas J, Lupski JR, Ellard S, Sampson JR, Roncaroli F, Korbonits M. Germline or somatic GPR101 duplication leads to X-linked acro-gigantism: a clinico-pathological and genetic study. *Acta Neuropathol Commun*. 2016 Jun 1;4(1):56. doi: 10.1186/s40478-016-0328-1. PubMed PMID: 27245663; PubMed Central PMCID: PMC4888203.

401: Strike SA, Hassanzadeh H, Jain A, Kebaish KM, Njoku DB, Becker D, Ain MC, Sponseller PD. Intraoperative Neuromonitoring in Pediatric and Adult Spine Deformity Surgery. *Clin Spine Surg*. 2017 Nov;30(9):E1174-E1181. doi: 10.1097/BSD.0000000000000388. Review. PubMed PMID: 27231831.

402: Xu Z, Lee CC, Ramesh A, Mueller AC, Schlesinger D, Cohen-Inbar O, Shih HH, Sheehan JP. BRAF V600E mutation and BRAF kinase inhibitors in conjunction with stereotactic radiosurgery for intracranial melanoma metastases. *J Neurosurg*. 2017 Mar;126(3):726-734. doi: 10.3171/2016.2.JNS1633. Epub 2016 May 20. PubMed PMID: 27203149.

403: Mac Donald CL, Johnson AM, Wierzechowski L, Kassner E, Stewart T, Nelson EC, Werner NJ, Adam OR, Rivet DJ, Flaherty SF, Oh JS, Zonies D, Fang R, Brody DL. Outcome Trends after US Military Concussive Traumatic Brain Injury. *J Neurotrauma*. 2017 Jul 15;34(14):2206-2219. doi: 10.1089/neu.2016.4434. Epub 2016 Jun 27. PubMed PMID: 27198861; PubMed Central PMCID: PMC5510713.

404: Starke RM, Connolly ES, Komotar RJ. Isocitrate Dehydrogenase Mutation Leads to Alteration in 3-Dimensional DNA Structure and Oncogene Activation in Gliomas. *Neurosurgery*. 2016 Jun;78(6):N20-2. doi: 10.1227/01.neu.0000484060.35547.94. PubMed PMID: 27191813.

405: Bauer A, Cassel W, Benes H, Kesper K, Rye D, Sica D, Winkelman JW, Bauer L, Grieger F, Joeres L, Moran K, Schollmayer E, Whitesides J, Carney HC, Walters AS, Oertel W, Trenkwalder C; SP0977 study investigators. Rotigotine's effect on PLM-associated blood pressure elevations in restless legs syndrome: An RCT. *Neurology*. 2016 May 10;86(19):1785-93. doi: 10.1212/WNL.0000000000002649. Epub 2016 Apr 13. PubMed PMID: 27164714; PubMed Central PMCID: PMC4862252.

406: Herb JN, Rane S, Isaacs DA, Van Wouwe N, Roman OC, Landman BA, Dawant BM, Hedera P, Zald

DH, Neimat JS, Wylie SA, Donahue MJ, Claassen DO. Cortical Implications of Advancing Age and Disease Duration in Parkinson's Disease Patients with Postural Instability and Gait Dysfunction. *J Parkinsons Dis*. 2016 May 5;6(2):441-51. doi: 10.3233/JPD-150753. PubMed PMID: 27164041; PubMed Central PMCID: PMC5826542.

407: Mirzaa GM, Campbell CD, Solovieff N, Goold C, Jansen LA, Menon S, Timms AE, Conti V, Biag JD, Adams C, Boyle EA, Collins S, Ishak G, Poliachik S, Girisha KM, Yeung KS, Chung BHY, Rahikkala E, Gunter SA, McDaniel SS, Macmurdo CF, Bernstein JA, Martin B, Leary R, Mahan S, Liu S, Weaver M, Doerschner M, Jhangiani S, Muzny DM, Boerwinkle E, Gibbs RA, Lupski JR, Shendure J, Saneto RP, Novotny EJ, Wilson CJ, Sellers WR, Morrissey M, Hevner RF, Ojemann JG, Guerrini R, Murphy LO, Winckler W, Dobyns WB. Association of MTOR Mutations With Developmental Brain Disorders, Including Megalencephaly, Focal Cortical Dysplasia, and Pigmentary Mosaicism. *JAMA Neurol*. 2016 Jul 1;73(7):836-845. doi: 10.1001/jamaneurol.2016.0363. PubMed PMID: 27159400; PubMed Central PMCID: PMC4979321.

408: Theologis AA, Ailon T, Scheer JK, Smith JS, Shaffrey CI, Bess S, Gupta M, Klineberg EO, Kebaish K, Schwab F, Lafage V, Burton D, Hart R, Ames CP; International Spine Study Group. Impact of preoperative depression on 2-year clinical outcomes following adult spinal deformity surgery: the importance of risk stratification based on type of psychological distress. *J Neurosurg Spine*. 2016 Oct;25(4):477-485. Epub 2016 May 6. PubMed PMID: 27153146.

409: Slade SC, Dionne CE, Underwood M, Buchbinder R, Beck B, Bennell K, Brosseau L, Costa L, Cramp F, Cup E, Feehan L, Ferreira M, Forbes S, Glasziou P, Habets B, Harris S, Hay-Smith J, Hillier S, Hinman R, Holland A, Hondras M, Kelly G, Kent P, Lauret GJ, Long A, Maher C, Morso L, Osteras N, Peterson T, Quinlivan R, Rees K, Regnaud JP, Rietberg M, Saunders D, Skoetz N, Sogaard K, Takken T, van Tulder M, Voet N, Ward L, White C. Consensus on Exercise Reporting Template (CERT): Modified Delphi Study. *Phys Ther*. 2016 Oct;96(10):1514-1524. Epub 2016 May 5. PubMed PMID: 27149962.

410: Logsdon AF, Lucke-Wold BP, Nguyen L, Matsumoto RR, Turner RC, Rosen CL, Huber JD. Salubralin reduces oxidative stress, neuroinflammation and impulsive-like behavior in a rodent model of traumatic brain injury. *Brain Res*. 2016 Jul 15;1643:140-51. doi: 10.1016/j.brainres.2016.04.063. Epub 2016 Apr 27. PubMed PMID: 27131989; PubMed Central PMCID: PMC5578618.

411: Ledur PF, Liu C, He H, Harris AR, Minussi DC, Zhou HY, Shaffrey ME, Asthagiri A, Lopes MB, Schiff D, Lu YC, Mandell JW, Lenz G, Zong H. Culture conditions tailored to the cell of origin are critical for maintaining native properties and tumorigenicity of glioma cells. *Neuro Oncol*. 2016 Oct;18(10):1413-24. doi: 10.1093/neuonc/now062. Epub 2016 Apr 21. PubMed PMID: 27106408; PubMed Central PMCID: PMC5035523.

412: Passias PG, Oh C, Jalai CM, Worley N, Lafage R, Scheer JK, Klineberg EO, Hart RA, Kim HJ, Smith JS, Lafage V, Ames CP; International Spine Study Group (ISSG). Predictive Model for Cervical Alignment and Malalignment Following Surgical Correction of Adult Spinal Deformity. *Spine (Phila Pa 1976)*. 2016 Sep 15;41(18):E1096-103. doi: 10.1097/BRS.0000000000001640. PubMed PMID: 27105461.

413: Cohen-Inbar O, Lee CC, Mousavi SH, Kano H, Mathieu D, Meola A, Nakaji P, Honea N, Johnson M, Abbassy M, Mohammadi AM, Silva D, Yang HC, Grills I, Kondziolka D, Barnett GH, Lunsford LD, Sheehan J. Stereotactic radiosurgery for intracranial hemangiopericytomas: a multicenter study. *J Neurosurg*. 2017 Mar;126(3):744-754. doi: 10.3171/2016.1.JNS152860. Epub 2016 Apr 22. PubMed PMID: 27104850.

414: Rossi PJ, Gunduz A, Judy J, Wilson L, Machado A, Giordano JJ, Elias WJ, Rossi MA, Butson CL, Fox MD, McIntyre CC, Pouratian N, Swann NC, de Hemptinne C, Gross RE, Chizeck HJ, Tagliati M, Lozano AM, Goodman W, Langevin JP, Alterman RL, Akbar U, Gerhardt GA, Grill WM, Hallett M, Herrington T, Herron J, van Horne C, Kopell BH, Lang AE, Lungu C, Martinez-Ramirez D, Mogilner AY, Molina R, Opri E, Otto KJ, Oweiss KG, Pathak Y, Shukla A, Shute J, Sheth SA, Shih LC, Steinke GK, Tröster AI, Vanegas N, Zaghloul KA, Cendejas-Zaragoza L, Verhagen L, Foote KD, Okun MS. Proceedings of the Third Annual Deep Brain Stimulation Think Tank: A Review of Emerging Issues and Technologies. *Front Neurosci*. 2016 Apr 6;10:119. doi: 10.3389/fnins.2016.00119. eCollection 2016. Review. PubMed PMID: 27092042; PubMed Central PMCID: PMC4821860.

415: Toussaint A, Richter A, Mantel F, Flickinger JC, Grills IS, Tyagi N, Sahgal A, Letourneau D, Sheehan JP, Schlesinger DJ, Gerszten PC, Guckenberger M. Variability in spine radiosurgery treatment planning - results of an international multi-institutional study. *Radiat Oncol*. 2016 Apr 18;11:57. doi: 10.1186/s13014-016-0631-9. PubMed PMID: 27089966; PubMed Central PMCID: PMC4835862.

416: Smith JS, Klineberg E, Shaffrey CI, Lafage V, Schwab FJ, Protopsaltis T, Scheer JK, Ailon T, Ramachandran S, Daniels A, Mundis G, Gupta M, Hostin R, Deviren V, Eastlack R, Passias P, Hamilton DK, Hart R, Burton DC, Bess S, Ames CP; International Spine Study Group. Assessment of Surgical Treatment Strategies for Moderate to Severe Cervical Spinal Deformity Reveals Marked Variation in Approaches, Osteotomies, and Fusion Levels. *World Neurosurg*. 2016 Jul;91:228-37. doi: 10.1016/j.wneu.2016.04.020. Epub 2016 Apr 13. PubMed PMID: 27086260.

417: Singh R, Josiah DT, Turner RC, Cantu-Durand DE, Williams HJ, Gyure K, Voelker JL. Giant calvarial intraosseous angioliopoma: a case report and review of the literature. *J Surg Case Rep*. 2016 Apr 13;2016(4). pii: rjw051. doi: 10.1093/jscr/rjw051. PubMed PMID: 27076621; PubMed Central PMCID: PMC4830460.

418: Jalai CM, Passias PG, Lafage V, Smith JS, Lafage R, Poorman GW, Diebo B, Liabaud B, Neuman BJ, Scheer JK, Shaffrey CI, Bess S, Schwab F, Ames CP; International Spine Study Group (ISSG). A comparative analysis of the prevalence and characteristics of cervical malalignment in adults presenting with thoracolumbar spine deformity based on variations in treatment approach over 2 years. *Eur Spine J*. 2016 Aug;25(8):2423-32. doi: 10.1007/s00586-016-4564-7. Epub 2016 Apr 13. PubMed PMID: 27076049.

419: Prabhakaran S, Castonguay AC, Gupta R, Sun CJ, Martin CO, Holloway W, Mueller-Kronast NH, English J, Linfante I, Dabus G, Malisch T, Marden F, Bozorgchami H, Xavier A, Rai A, Froehler M, Badruddin A, Taqi MA, Novakovic R, Abraham M, Janardhan V, Shaltoni H, Yoo AJ, Abou-Chebl A, Chen P, Britz G, Kaushal R, Nanda A, Nogueira R, Nguyen T, Zaidat OO. Complete reperfusion mitigates influence of treatment time on outcomes after acute stroke. *J Neurointerv Surg*. 2017 Apr;9(4):366-369. doi: 10.1136/neurintsurg-2016-012288. Epub 2016 Apr 12. PubMed PMID: 27073195.

420: Okoukoni C, Lynch SK, McTyre ER, Randolph DM, Weaver AA, Blackstock AW, Lally BE, Munley MT, Willey JS. A cortical thickness and radiation dose mapping approach identifies early thinning of ribs after stereotactic body radiation therapy. *Radiother Oncol*. 2016 Jun;119(3):449-53. doi: 10.1016/j.radonc.2016.03.023. Epub 2016 Apr 9. PubMed PMID: 27072937.

421: Katsevman GA, Turner RC, Lucke-Wold BP, Sedney CL, Bhatia S. Osteopathia striata with cranial sclerosis (OSCS): review of the literature and case report demonstrating challenges of spinal fusion after trauma. *Acta Neurochir (Wien)*. 2016 Jun;158(6):1115-20. doi: 10.1007/s00701-016-2794-4. Epub 2016 Apr 11. Review. PubMed PMID: 27068044.

422: Aboab J, Celi LA, Charlton P, Feng M, Ghassemi M, Marshall DC, Mayaud L, Naumann T, McCague N, Paik KE, Pollard TJ, Resche-Rigon M, Saliccioli JD, Stone DJ. A “datathon” model to support cross-disciplinary collaboration. *Sci Transl Med*. 2016 Apr 6;8(333):333ps8. doi: 10.1126/scitranslmed.aad9072. Review. PubMed PMID: 27053770; PubMed Central PMCID: PMC5679209.

423: Passias PG, Soroceanu A, Yang S, Schwab F, Ames C, Boniello A, Smith J, Shaffrey C, Boachie-Adjei O, Mundis G, Burton D, Klineberg E, Hart R, Hamilton DK, Sciubba DM, Bess S, Lafage V. Predictors of Revision Surgical Procedure Excluding Wound Complications in Adult Spinal Deformity and Impact on Patient-Reported Outcomes and Satisfaction: A Two-Year Follow-up. *J Bone Joint Surg Am*. 2016 Apr 6;98(7):536-43. doi: 10.2106/JBJS.14.01126. PubMed PMID: 27053581.

424: Lucke-Wold BP, Logsdon AF, Manoranjan B, Turner RC, McConnell E, Vates GE, Huber JD, Rosen CL, Simard JM. Aneurysmal Subarachnoid Hemorrhage and Neuroinflammation: A Comprehensive Review. *Int J Mol Sci*. 2016 Apr 2;17(4):497. doi: 10.3390/ijms17040497. Review. PubMed PMID: 27049383; PubMed Central PMCID: PMC4848953.

425: Davenport EM, Apkarian K, Whitlow CT, Urban JE, Jensen JH, Szuch E, Espeland MA, Jung Y, Rosenbaum DA, Gioia GA, Powers AK, Stitzel JD, Maldjian JA. Abnormalities in Diffusional Kurtosis Metrics Related to Head Impact Exposure in a Season of High School Varsity Football. *J Neurotrauma*. 2016 Dec 1;33(23):2133-2146. Epub 2016 May 18. PubMed PMID: 27042763; PubMed Central PMCID: PMC5124736.

426: Papa L, Brophy GM, Welch RD, Lewis LM, Braga CF, Tan CN, Ameli NJ, Lopez MA, Haeussler CA, Mendez Giordano DI, Silvestri S, Giordano P, Weber KD, Hill-Pryor C, Hack DC. Time Course and Diagnostic Accuracy of Glial and Neuronal Blood Biomarkers GFAP and UCH-L1 in a Large Cohort of Trauma Patients With and Without Mild Traumatic Brain Injury. *JAMA Neurol*. 2016 May 1;73(5):551-60. doi: 10.1001/jamaneurol.2016.0039. PubMed PMID: 27018834.

427: Rahme R, Vyas NA, Hamilton JF. Embolic Stroke: A Rare but Probably Real Cause of Aneurysmal-Like Subarachnoid Hemorrhage. *World Neurosurg*. 2016 Jul;91:669.e1-5. doi: 10.1016/j.wneu.2016.03.037. Epub 2016 Mar 22. PubMed PMID: 27016311.

428: James RF, Kramer DR, Page PS, Gaughen JR Jr, Martin LB, Mack WJ. Strategic and Technical Considerations for the Endovascular Embolization of Intracranial Meningiomas. *Neurosurg Clin N Am*. 2016 Apr;27(2):155-66. doi: 10.1016/j.nec.2015.11.005. Epub 2016 Feb 18. Review. PubMed PMID: 27012380.

429: Cadavid D, Cohen JA, Freedman MS, Goldman MD, Hartung HP, Havrdova E, Jeffery D, Kapoor R, Miller A, Sellebjerg F, Kinch D, Lee S, Shang S, Mikol D. The EDSS-Plus, an improved endpoint for disability progression in secondary progressive multiple sclerosis. *Mult Scler*. 2017 Jan;23(1):94-105. doi: 10.1177/1352458516638941. Epub 2016 Jul 11. PubMed PMID: 27003945.

430: Than KD, Curran JN, Resnick DK, Shaffrey CI, Ghogawala Z, Mummaneni PV. How to predict return to work after lumbar discectomy: answers from the NeuroPoint-SD registry. *J Neurosurg Spine*. 2016 Aug;25(2):181-6. doi: 10.3171/2015.10.SPINE15455. Epub 2016 Mar 18. PubMed PMID: 26989977.

431: Starke RM, Connolly ES, Komotar RJ. Comprehensive Genomic Analysis of Infiltrative Gliomas Based on Molecular Profile. *Neurosurgery*. 2016 Apr;78(4):N15-6. doi: 10.1227/01.neu.0000481986.14010.df. PubMed PMID: 26986644.

- 432: Sun D. The potential of neural transplantation for brain repair and regeneration following traumatic brain injury. *Neural Regen Res.* 2016 Jan;11(1):18-22. doi: 10.4103/1673-5374.169605. PubMed PMID: 26981070; PubMed Central PMCID: PMC4774215.
- 433: Kou Z, Sun D. New era of treatment and evaluation of traumatic brain injury and spinal cord injury. *Neural Regen Res.* 2016 Jan;11(1):6. doi: 10.4103/1673-5374.169600. PubMed PMID: 26981067; PubMed Central PMCID: PMC4774226.
- 434: Passias PG, Klineberg EO, Jalai CM, Worley N, Poorman GW, Line B, Oh C, Burton DC, Kim HJ, Sciubba DM, Hamilton DK, Ames CP, Smith JS, Shaffrey CI, Lafage V, Bess S; International Spine Study Group. Hospital Readmission Within 2 Years Following Adult Thoracolumbar Spinal Deformity Surgery: Prevalence, Predictors, and Effect on Patient-derived Outcome Measures. *Spine (Phila Pa 1976).* 2016 Sep;41(17):1355-64. doi: 10.1097/BRS.0000000000001552. PubMed PMID: 26967123.
- 435: Johnson BN, Lancaster KZ, Zhen G, He J, Gupta MK, Kong YL, Engel EA, Krick KD, Ju A, Meng F, Enquist LW, Jia X, McAlpine MC. 3D Printed Anatomical Nerve Regeneration Pathways. *Adv Funct Mater.* 2015 Oct 21;25(39):6205-6217. Epub 2015 Sep 18. PubMed PMID: 26924958; PubMed Central PMCID: PMC4765385.
- 436: Sturm D, Orr BA, Toprak UH, Hovestadt V, Jones DTW, Capper D, Sill M, Buchhalter I, Northcott PA, Leis I, Ryzhova M, Koelsche C, Pfaff E, Allen SJ, Balasubramanian G, Worst BC, Pajtler KW, Brabetz S, Johann PD, Sahm F, Reimand J, Mackay A, Carvalho DM, Remke M, Phillips JJ, Perry A, Cowdrey C, Drissi R, Fouladi M, Giangaspero F, Łastowska M, Grajkowska W, Scheurlen W, Pietsch T, Hagel C, Gojo J, Lötsch D, Berger W, Slavc I, Haberler C, Jouvett A, Holm S, Hofer S, Prinz M, Keohane C, Fried I, Mawrin C, Scheie D, Mobley BC, Schniederjan MJ, Santi M, Buccoliero AM, Dahiya S, Kramm CM, von Bueren AO, von Hoff K, Rutkowski S, Herold-Mende C, Frühwald MC, Milde T, Hasselblatt M, Wesseling P, Rößler J, Schüller U, Ebinger M, Schittenhelm J, Frank S, Grobholz R, Vajtai I, Hans V, Schneppenheim R, Zitterbart K, Collins VP, Aronica E, Varlet P, Puget S, Dufour C, Grill J, Figarella-Branger D, Wolter M, Schuhmann MU, Shalaby T, Grotzer M, van Meter T, Monoranu CM, Felsberg J, Reifenberger G, Snuderl M, Forrester LA, Koster J, Versteeg R, Volckmann R, van Sluis P, Wolf S, Mikkelsen T, Gajjar A, Aldape K, Moore AS, Taylor MD, Jones C, Jabado N, Karajannis MA, Eils R, Schlesner M, Lichter P, von Deimling A, Pfister SM, Ellison DW, Korshunov A, Kool M. New Brain Tumor Entities Emerge from Molecular Classification of CNS-PNETs. *Cell.* 2016 Feb 25;164(5):1060-1072. doi: 10.1016/j.cell.2016.01.015. PubMed PMID: 26919435; PubMed Central PMCID: PMC5139621.
- 437: Smith JS, Klineberg E, Lafage V, Shaffrey CI, Schwab F, Lafage R, Hostin R, Mundis GM Jr, Errico TJ, Kim HJ, Protosaltis TS, Hamilton DK, Scheer JK, Soroceanu A, Kelly MP, Line B, Gupta M, Deviren V, Hart R, Burton DC, Bess S, Ames CP; International Spine Study Group. Prospective multicenter assessment of perioperative and minimum 2-year postoperative complication rates associated with adult spinal deformity surgery. *J Neurosurg Spine.* 2016 Jul;25(1):1-14. doi: 10.3171/2015.11.SPINE151036. Epub 2016 Feb 26. PubMed PMID: 26918574.
- 438: Hamilton DK, Kanter AS, Bolinger BD, Mundis GM Jr, Nguyen S, Mummaneni PV, Anand N, Fessler RG, Passias PG, Park P, La Marca F, Uribe JS, Wang MY, Akbarnia BA, Shaffrey CI, Okonkwo DO; International Spine Study Group (ISSG). Reoperation rates in minimally invasive, hybrid and open surgical treatment for adult spinal deformity with minimum 2-year follow-up. *Eur Spine J.* 2016 Aug;25(8):2605-11. doi: 10.1007/s00586-016-4443-2. Epub 2016 Feb 24. PubMed PMID: 26909764.
- 439: Glauser T, Shinnar S, Gloss D, Alldredge B, Arya R, Bainbridge J, Bare M, Bleck T, Dodson WE, Garrity L, Jagoda A, Lowenstein D, Pellock J, Riviello J, Sloan E, Treiman DM. Evidence-Based Guideline: Treatment of Convulsive Status Epilepticus in Children and Adults: Report of the Guideline Committee of the American Epilepsy Society. *Epilepsy Curr.* 2016 Jan-Feb;16(1):48-61. doi:

10.5698/1535-7597-16.1.48. PubMed PMID: 26900382; PubMed Central PMCID: PMC4749120.

440: Appelbaum NP, Dow A, Mazmanian PE, Jundt DK, Appelbaum EN. The effects of power, leadership and psychological safety on resident event reporting. *Med Educ.* 2016 Mar;50(3):343-50. doi: 10.1111/medu.12947. PubMed PMID: 26896019.

441: Jawad MS, Fahim DK, Gerszten PC, Flickinger JC, Sahgal A, Grills IS, Sheehan J, Kersh R, Shin J, Oh K, Mantel F, Guckenberger M; , on behalf of the Elekta Spine Radiosurgery Research Consortium. Vertebral compression fractures after stereotactic body radiation therapy: a large, multi-institutional, multinational evaluation. *J Neurosurg Spine.* 2016 Jun;24(6):928-36. doi: 10.3171/2015.10.SPINE141261. Epub 2016 Feb 19. PubMed PMID: 26895526.

442: Tsilioni I, Filippidis AS, Kerenidi T, Budanov AV, Zarogiannis SG, Gourgoulisanis KI. Sestrin-2 is significantly increased in malignant pleural effusions due to lung cancer and is potentially secreted by pleural mesothelial cells. *Clin Biochem.* 2016 Jun;49(9):726-728. doi: 10.1016/j.clinbiochem.2016.02.002. Epub 2016 Feb 11. PubMed PMID: 26874199.

443: Lenke LG, Fehlings MG, Shaffrey CI, Cheung KM, Carreon L, Dekutoski MB, Schwab FJ, Boachie-Adjei O, Kebaish KM, Ames CP, Qiu Y, Matsuyama Y, Dahl BT, Mehdian H, Pellisé-Urquiza F, Lewis SJ, Berven SH. Neurologic Outcomes of Complex Adult Spinal Deformity Surgery: Results of the Prospective, Multicenter Scolio-RISK-1 Study. *Spine (Phila Pa 1976).* 2016 Feb;41(3):204-12. doi: 10.1097/BRS.0000000000001338. PubMed PMID: 26866736.

444: Oermann EK, Rubinsteyn A, Ding D, Mascitelli J, Starke RM, Bederson JB, Kano H, Lunsford LD, Sheehan JP, Hammerbacher J, Kondziolka D. Using a Machine Learning Approach to Predict Outcomes after Radiosurgery for Cerebral Arteriovenous Malformations. *Sci Rep.* 2016 Feb 9;6:21161. doi: 10.1038/srep21161. PubMed PMID: 26856372; PubMed Central PMCID: PMC4746661.

445: Patel K, Sun D. Strategies targeting endogenous neurogenic cell response to improve recovery following traumatic brain injury. *Brain Res.* 2016 Jun 1;1640(Pt A):104-113. doi: 10.1016/j.brainres.2016.01.055. Epub 2016 Feb 8. Review. PubMed PMID: 26855258; PubMed Central PMCID: PMC4870090.

446: Terkawi AS, Mavridis D, Flood P, Wetterslev J, Terkawi RS, Bin Abdulhak AA, Nunemaker MS, Tiouririne M. Does Ondansetron Modify Sympathectomy Due to Subarachnoid Anesthesia?: Meta-analysis, Meta-regression, and Trial Sequential Analysis. *Anesthesiology.* 2016 Apr;124(4):846-69. doi: 10.1097/ALN.0000000000001039. PubMed PMID: 26835645.

447: Li X, Tzeng SY, Liu X, Tammia M, Cheng YH, Rolfe A, Sun D, Zhang N, Green JJ, Wen X, Mao HQ. Nanoparticle-mediated transcriptional modification enhances neuronal differentiation of human neural stem cells following transplantation in rat brain. *Biomaterials.* 2016 Apr;84:157-166. doi: 10.1016/j.biomaterials.2016.01.037. Epub 2016 Jan 20. PubMed PMID: 26828681; PubMed Central PMCID: PMC4755890.

448: Wilde EA, Li X, Hunter JV, Narayana PA, Hasan K, Biekman B, Swank P, Robertson C, Miller E, McCauley SR, Chu ZD, Faber J, McCarthy J, Levin HS. Loss of Consciousness Is Related to White Matter Injury in Mild Traumatic Brain Injury. *J Neurotrauma.* 2016 Nov 15;33(22):2000-2010. Epub 2016 May 12. PubMed PMID: 26801471.

449: Klionsky DJ, Abdelmohsen K, Abe A, Abedin MJ, Abeliovich H, Acevedo Arozena A, Adachi H, Adams CM, Adams PD, Adeli K, Adihetty PJ, Adler SG, Agam G, Agarwal R, Aghi MK, Agnello M,

Agostinis P, Aguilar PV, Aguirre-Ghiso J, Airolidi EM, Ait-Si-Ali S, Akematsu T, Akporiaye ET, Al-Rubeai M, Albaiceta GM, Albanese C, Albani D, Albert ML, Aldudo J, Algül H, Alirezai M, Alloza I, Almasan A, Almonte-Beceril M, Alnemri ES, Alonso C, Altan-Bonnet N, Altieri DC, Alvarez S, Alvarez-Erviti L, Alves S, Amadoro G, Amano A, Amantini C, Ambrosio S, Amelio I, Amer AO, Amessou M, Amon A, An Z, Anania FA, Andersen SU, Andley UP, Andreadi CK, Andrieu-Abadie N, Anel A, Ann DK, Anoopkumar-Dukie S, Antonioli M, Aoki H, Apostolova N, Aquila S, Aquilano K, Araki K, Arama E, Aranda A, Araya J, Arcaro A, Arias E, Arimoto H, Arosio AR, Armstrong JL, Arnould T, Arsov I, Asanuma K, Askanas V, Asselin E, Atarashi R, Atherton SS, Atkin JD, Attardi LD, Auberger P, Auburger G, Aurelian L, Autelli R, Avagliano L, Avantiaggiati ML, Avrahami L, Awale S, Azad N, Bachetti T, Backer JM, Bae DH, Bae JS, Bae ON, Bae SH, Baehrecke EH, Baek SH, Baghdiguian S, Bagniewska-Zadworna A, Bai H, Bai J, Bai XY, Bailly Y, Balaji KN, Balduini W, Ballabio A, Balzan R, Banerjee R, Bánhegyi G, Bao H, Barbeau B, Barrachina MD, Barreiro E, Bartel B, Bartolomé A, Bassham DC, Bassi MT, Bast RC Jr, Basu A, Batista MT, Batoko H, Battino M, Bauckman K, Baumgarner BL, Bayer KU, Beale R, Beaulieu JF, Beck GR Jr, Becker C, Beckham JD, Bédard PA, Bednarski PJ, Begley TJ, Behl C, Behrends C, Behrens GM, Behrns KE, Bejarano E, Belaid A, Belleudi F, Bénard G, Berchem G, Bergamaschi D, Bergami M, Berkhout B, Berliocchi L, Bernard A, Bernard M, Bernassola F, Bertolotti A, Bess AS, Besteiro S, Bettuzzi S, Bhalla S, Bhattacharyya S, Bhutia SK, Biagosch C, Bianchi MW, Biard-Piechaczyk M, Billes V, Bincoletto C, Bingol B, Bird SW, Bitoun M, Bjedov I, Blackstone C, Blanc L, Blanco GA, Blomhoff HK, Boada-Romero E, Böckler S, Boes M, Boesze-Battaglia K, Boise LH, Bolino A, Boman A, Bonaldo P, Bordini M, Bosch J, Botana LM, Botti J, Bou G, Bouché M, Bouchecareilh M, Boucher MJ, Boulton ME, Bouret SG, Boya P, Boyer-Guittaut M, Bozhkov PV, Brady N, Braga VM, Brancolini C, Braus GH, Bravo-San Pedro JM, Brennan LA, Bresnick EH, Brest P, Bridges D, Bringer MA, Brini M, Brito GC, Brodin B, Brookes PS, Brown EJ, Brown K, Broxmeyer HE, Bruhat A, Brum PC, Brumell JH, Brunetti-Pierri N, Bryson-Richardson RJ, Buch S, Buchan AM, Budak H, Bulavin DV, Bultman SJ, Bultynck G, Bumbasirevic V, Burelle Y, Burke RE, Burmeister M, Bütikofer P, Caberlotto L, Cadwell K, Cahova M, Cai D, Cai J, Cai Q, Calatayud S, Camougrand N, Campanella M, Campbell GR, Campbell M, Campello S, Candau R, Caniggia I, Cantoni L, Cao L, Caplan AB, Caraglia M, Cardinali C, Cardoso SM, Carew JS, Carleton LA, Carlin CR, Carloni S, Carlsson SR, Carmona-Gutierrez D, Carneiro LA, Carnevali O, Carra S, Carrier A, Carroll B, Casas C, Casas J, Cassinelli G, Castets P, Castro-Obregon S, Cavallini G, Ceccherini I, Cecconi F, Cederbaum AI, Ceña V, Cenci S, Cerella C, Cervia D, Cetrullo S, Chaachouay H, Chae HJ, Chagin AS, Chai CY, Chakrabarti G, Chamilos G, Chan EY, Chan MT, Chandra D, Chandra P, Chang CP, Chang RC, Chang TY, Chatham JC, Chatterjee S, Chauhan S, Che Y, Cheetham ME, Cheluvappa R, Chen CJ, Chen G, Chen GC, Chen G, Chen H, Chen JW, Chen JK, Chen M, Chen M, Chen P, Chen Q, Chen Q, Chen SD, Chen S, Chen SS, Chen W, Chen WJ, Chen WQ, Chen W, Chen X, Chen YH, Chen YG, Chen Y, Chen Y, Chen Y, Chen YJ, Chen YQ, Chen Y, Chen Z, Chen Z, Cheng A, Cheng CH, Cheng H, Cheong H, Cherry S, Chesney J, Cheung CH, Chevet E, Chi HC, Chi SG, Chiacchiera F, Chiang HL, Chiarelli R, Chiariello M, Chieppa M, Chin LS, Chiong M, Chiu GN, Cho DH, Cho SG, Cho WC, Cho YY, Cho YS, Choi AM, Choi EJ, Choi EK, Choi J, Choi ME, Choi SI, Chou TF, Chouaib S, Choubey D, Choubey V, Chow KC, Chowdhury K, Chu CT, Chuang TH, Chun T, Chung H, Chung T, Chung YL, Chwae YJ, Cianfanelli V, Ciarcia R, Ciechomska IA, Ciriolo MR, Cirone M, Claerhout S, Clague MJ, Clària J, Clarke PG, Clarke R, Clementi E, Cleyrat C, Cnop M, Coccia EM, Cocco T, Codogno P, Coers J, Cohen EE, Colecchia D, Coletto L, Coll NS, Colucci-Guyon E, Comincini S, Condello M, Cook KL, Coombs GH, Cooper CD, Cooper JM, Coppens I, Corasaniti MT, Corazzari M, Corbalan R, Corcelle-Termeau E, Cordero MD, Corral-Ramos C, Corti O, Cossarizza A, Costelli P, Costes S, Cotman SL, Coto-Montes A, Cottet S, Couve E, Covey LR, Cowart LA, Cox JS, Coxon FP, Coyne CB, Cragg MS, Craven RJ, Crepaldi T, Crespo JL, Criollo A, Crippa V, Cruz MT, Cuervo AM, Cuezva JM, Cui T, Cutillas PR, Czaja MJ, Czyzyk-Krzeska MF, Dagda RK, Dahmen U, Dai C, Dai W, Dai Y, Dalby KN, Dalla Valle L, Dalmasso G, D'Amelio M, Damme M, Darfeuille-Michaud A, Dargemont C, Darley-Usmar VM, Dasarathy S, Dasgupta B, Dash S, Dass CR, Davey HM, Davids LM, Dávila D, Davis RJ, Dawson TM, Dawson VL, Daza P, de Belleruche J, de Figueiredo P, de Figueiredo RC, de la Fuente J, De Martino L, De Matteis A, De Meyer GR, De Milito A, De Santi M, de Souza W, De Tata V, De Zio D, Debnath J, Dechant R, Decuypere JP, Deegan S, Dehay B, Del Bello B, Del Re DP,

Delage-Mourroux R, Delbridge LM, Deldicque L, Delorme-Axford E, Deng Y, Dengjel J, Denizot M, Dent P, Der CJ, Deretic V, Derrien B, Deutsch E, Devarenne TP, Devenish RJ, Di Bartolomeo S, Di Daniele N, Di Domenico F, Di Nardo A, Di Paola S, Di Pietro A, Di Renzo L, DiAntonio A, Díaz-Araya G, Díaz-Laviada I, Diaz-Meco MT, Diaz-Nido J, Dickey CA, Dickson RC, Diederich M, Digard P, Dikic I, Dinesh-Kumar SP, Ding C, Ding WX, Ding Z, Dini L, Distler JH, Diwan A, Djavaheri-Mergny M, Dmytruk K, Dobson RC, Doetsch V, Dokladny K, Dokudovskaya S, Donadelli M, Dong XC, Dong X, Dong Z, Donohue TM Jr, Doran KS, D'Orazi G, Dorn GW 2nd, Dosenko V, Dridi S, Drucker L, Du J, Du LL, Du L, du Toit A, Dua P, Duan L, Duann P, Dubey VK, Duchen MR, Duchosal MA, Duez H, Dugail I, Dumit VI, Duncan MC, Dunlop EA, Dunn WA Jr, Dupont N, Dupuis L, Durán RV, Durcan TM, Duvezin-Caubet S, Duvvuri U, Eapen V, Ebrahimi-Fakhari D, Echard A, Eckhart L, Edelstein CL, Edinger AL, Eichinger L, Eisenberg T, Eisenberg-Lerner A, Eissa NT, El-Deiry WS, El-Khoury V, Elazar Z, Eldar-Finkelman H, Elliott CJ, Emanuele E, Emmenegger U, Engedal N, Engelbrecht AM, Engelender S, Enserink JM, Erdmann R, Erenpreisa J, Eri R, Eriksen JL, Erman A, Escalante R, Eskelinen EL, Espert L, Esteban-Martínez L, Evans TJ, Fabri M, Fabrias G, Fabrizi C, Facchiano A, Færgeman NJ, Faggioni A, Fairlie WD, Fan C, Fan D, Fan J, Fang S, Fanto M, Fanzani A, Farkas T, Faure M, Favier FB, Fearnhead H, Federici M, Fei E, Felizardo TC, Feng H, Feng Y, Feng Y, Ferguson TA, Fernández ÁF, Fernandez-Barrena MG, Fernandez-Checa JC, Fernández-López A, Fernandez-Zapico ME, Feron O, Ferraro E, Ferreira-Halder CV, Fesus L, Feuer R, Fiesel FC, Filippi-Chiela EC, Filomeni G, Fimia GM, Fingert JH, Finkbeiner S, Finkel T, Fiorito F, Fisher PB, Flajolet M, Flamigni F, Florey O, Florio S, Floto RA, Folini M, Follo C, Fon EA, Fornai F, Fortunato F, Fraldi A, Franco R, Francois A, François A, Frankel LB, Fraser ID, Frey N, Freyssenet DG, Frezza C, Friedman SL, Frigo DE, Fu D, Fuentes JM, Fueyo J, Fujitani Y, Fujiwara Y, Fujiya M, Fukuda M, Fulda S, Fusco C, Gabryel B, Gaestel M, Gailly P, Gajewska M, Galadari S, Galili G, Galindo I, Galindo MF, Galliciotti G, Galluzzi L, Galluzzi L, Galy V, Gammoh N, Gandy S, Ganesan AK, Ganesan S, Ganley IG, Gannagé M, Gao FB, Gao F, Gao JX, García Nannig L, García Vescovi E, Garcia-Macia M, Garcia-Ruiz C, Garg AD, Garg PK, Gargini R, Gassen NC, Gatica D, Gatti E, Gavard J, Gavathiotis E, Ge L, Ge P, Ge S, Gean PW, Gelmetti V, Genazzani AA, Geng J, Genschik P, Gerner L, Gestwicki JE, Gewirtz DA, Ghavami S, Ghigo E, Ghosh D, Giammarioli AM, Giampieri F, Giampietri C, Giatromanolaki A, Gibbins DJ, Gibellini L, Gibson SB, Ginet V, Giordano A, Giorgini F, Giovannetti E, Girardin SE, Gispert S, Giuliano S, Gladson CL, Glavic A, Gleave M, Godefroy N, Gogal RM Jr, Gokulan K, Goldman GH, Goletti D, Goligorsky MS, Gomes AV, Gomes LC, Gomez H, Gomez-Manzano C, Gómez-Sánchez R, Gonçalves DA, Goncu E, Gong Q, Gongora C, Gonzalez CB, Gonzalez-Alegre P, Gonzalez-Cabo P, González-Polo RA, Goping IS, Gorbea C, Gorbunov NV, Goring DR, Gorman AM, Gorski SM, Goruppi S, Goto-Yamada S, Gotor C, Gottlieb RA, Gozes I, Gozuacik D, Graba Y, Graef M, Granato GE, Grant GD, Grant S, Gravina GL, Green DR, Greenhough A, Greenwood MT, Grimaldi B, Gros F, Grose C, Groulx JF, Gruber F, Grumati P, Grune T, Guan JL, Guan KL, Guerra B, Guillen C, Gulshan K, Gunst J, Guo C, Guo L, Guo M, Guo W, Guo XG, Gust AA, Gustafsson ÅB, Gutierrez E, Gutierrez MG, Gwak HS, Haas A, Haber JE, Hadano S, Hagedorn M, Hahn DR, Halayko AJ, Hamacher-Brady A, Hamada K, Hamai A, Hamann A, Hamasaki M, Hamer I, Hamid Q, Hammond EM, Han F, Han W, Handa JT, Hanover JA, Hansen M, Harada M, Harhaji-Trajkovic L, Harper JW, Harrath AH, Harris AL, Harris J, Hasler U, Hasselblatt P, Hasui K, Hawley RG, Hawley TS, He C, He CY, He F, He G, He RR, He XH, He YW, He YY, Heath JK, Hébert MJ, Heinzen RA, Helgason GV, Hensel M, Henske EP, Her C, Herman PK, Hernández A, Hernandez C, Hernández-Tiedra S, Hetz C, Hiesinger PR, Higaki K, Hilfiker S, Hill BG, Hill JA, Hill WD, Hino K, Hofius D, Hofman P, Höglinger GU, Höhfeld J, Holz MK, Hong Y, Hood DA, Hoozemans JJ, Hoppe T, Hsu C, Hsu CY, Hsu LC, Hu D, Hu G, Hu HM, Hu H, Hu MC, Hu YC, Hu ZW, Hua F, Hua Y, Huang C, Huang HL, Huang KH, Huang KY, Huang S, Huang S, Huang WP, Huang YR, Huang Y, Huang Y, Huber TB, Huebbe P, Huh WK, Hulmi JJ, Hur GM, Hurley JH, Husak Z, Hussain SN, Hussain S, Hwang JJ, Hwang S, Hwang TI, Ichihara A, Imai Y, Imbriano C, Inomata M, Into T, Iovane V, Iovanna JL, Iozzo RV, Ip NY, Irazoqui JE, Iribarren P, Isaka Y, Isakovic AJ, Ischiropoulos H, Isenberg JS, Ishaq M, Ishida H, Ishii I, Ishmael JE, Isidoro C, Isobe K, Isono E, Issazadeh-Navikas S, Itahana K,

Itakura E, Ivanov AI, Iyer AK, Izquierdo JM, Izumi Y, Izzo V, Jäättelä M, Jaber N, Jackson DJ, Jackson WT, Jacob TG, Jacques TS, Jagannath C, Jain A, Jana NR, Jang BK, Jani A, Janji B, Jannig PR, Jansson PJ, Jean S, Jendrach M, Jeon JH, Jessen N, Jeung EB, Jia K, Jia L, Jiang H, Jiang H, Jiang L, Jiang T, Jiang X, Jiang X, Jiang X, Jiang Y, Jiang Y, Jiménez A, Jin C, Jin H, Jin L, Jin M, Jin S, Jinwal UK, Jo EK, Johansen T, Johnson DE, Johnson GV, Johnson JD, Jonasch E, Jones C, Joosten LA, Jordan J, Joseph AM, Joseph B, Joubert AM, Ju D, Ju J, Juan HF, Juenemann K, Juhász G, Jung HS, Jung JU, Jung YK, Jungbluth H, Justice MJ, Jutten B, Kaakoush NO, Kaarniranta K, Kaasik A, Kabuta T, Kaeffer B, Kågedal K, Kahana A, Kajimura S, Kakhlon O, Kalia M, Kalvakolanu DV, Kamada Y, Kambas K, Kaminsky VO, Kampinga HH, Kandouz M, Kang C, Kang R, Kang TC, Kanki T, Kanneganti TD, Kanno H, Kanthasamy AG, Kantorow M, Kaparakis-Liaskos M, Kapuy O, Karantza V, Karim MR, Karmakar P, Kaser A, Kaushik S, Kawula T, Kaynar AM, Ke PY, Ke ZJ, Kehrl JH, Keller KE, Kemper JK, Kenworthy AK, Kepp O, Kern A, Kesari S, Kessel D, Ketteler R, Kettelhut Ido C, Khambu B, Khan MM, Khandelwal VK, Khare S, Kiang JG, Kiger AA, Kihara A, Kim AL, Kim CH, Kim DR, Kim DH, Kim EK, Kim HY, Kim HR, Kim JS, Kim JH, Kim JC, Kim JH, Kim KW, Kim MD, Kim MM, Kim PK, Kim SW, Kim SY, Kim YS, Kim Y, Kimchi A, Kimmelman AC, Kimura T, King JS, Kirkegaard K, Kirkin V, Kirshenbaum LA, Kishi S, Kitajima Y, Kitamoto K, Kitaoka Y, Kitazato K, Kley RA, Klimecki WT, Klinkenberg M, Klucken J, Knævelsrud H, Knecht E, Knuppertz L, Ko JL, Kobayashi S, Koch JC, Koechlin-Ramonatxo C, Koenig U, Koh YH, Köhler K, Kohlwein SD, Koike M, Komatsu M, Kominami E, Kong D, Kong HJ, Konstantakou EG, Kopp BT, Korcsmaros T, Korhonen L, Korolchuk VI, Koshkina NV, Kou Y, Koukourakis MI, Koumenis C, Kovács AL, Kovács T, Kovacs WJ, Koya D, Kraft C, Krainc D, Kramer H, Kravic-Stevovic T, Krek W, Kretz-Remy C, Krick R, Krishnamurthy M, Kriston-Vizi J, Kroemer G, Kruer MC, Kruger R, Ktistakis NT, Kuchitsu K, Kuhn C, Kumar AP, Kumar A, Kumar A, Kumar D, Kumar D, Kumar R, Kumar S, Kundu M, Kung HJ, Kuno A, Kuo SH, Kuret J, Kurz T, Kwok T, Kwon TK, Kwon YT, Kyrmizi I, La Spada AR, Lafont F, Lahm T, Lakkaraju A, Lam T, Lamark T, Lancel S, Landowski TH, Lane DJ, Lane JD, Lanzi C, Lapaquette P, Lapierre LR, Laporte J, Laukkanen J, Laurie GW, Lavandero S, Lavie L, LaVoie MJ, Law BY, Law HK, Law KB, Layfield R, Lazo PA, Le Cam L, Le Roch KG, Le Stunff H, Leardkamolkarn V, Lecuit M, Lee BH, Lee CH, Lee EF, Lee GM, Lee HJ, Lee H, Lee JK, Lee J, Lee JH, Lee JH, Lee M, Lee MS, Lee PJ, Lee SW, Lee SJ, Lee SJ, Lee SY, Lee SH, Lee SS, Lee SJ, Lee S, Lee YR, Lee YJ, Lee YH, Leeuwenburgh C, Lefort S, Legouis R, Lei J, Lei QY, Leib DA, Leibowitz G, Lekli I, Lemaire SD, Lemasters JJ, Lemberg MK, Lemoine A, Leng S, Lenz G, Lenzi P, Lerman LO, Lettieri Barbato D, Leu JI, Leung HY, Levine B, Lewis PA, Lezoualc'h F, Li C, Li F, Li FJ, Li J, Li K, Li L, Li M, Li M, Li Q, Li R, Li S, Li W, Li W, Li X, Li Y, Lian J, Liang C, Liang Q, Liao Y, Liberal J, Liberski PP, Lie P, Lieberman AP, Lim HJ, Lim KL, Lim K, Lima RT, Lin CS, Lin CF, Lin F, Lin F, Lin FC, Lin K, Lin KH, Lin PH, Lin T, Lin WW, Lin YS, Lin Y, Linden R, Lindholm D, Lindqvist LM, Lingor P, Linkermann A, Liotta LA, Lipinski MM, Lira VA, Lisanti MP, Liton PB, Liu B, Liu C, Liu CF, Liu F, Liu HJ, Liu J, Liu JJ, Liu JL, Liu K, Liu L, Liu L, Liu Q, Liu RY, Liu S, Liu S, Liu W, Liu XD, Liu X, Liu XH, Liu X, Liu X, Liu X, Liu Y, Liu Y, Liu Z, Liu Z, Liuzzi JP, Lizard G, Ljujic M, Lodhi IJ, Logue SE, Lokeshwar BL, Long YC, Lonial S, Loos B, López-Otín C, López-Vicario C, Lorente M, Lorenzi PL, Lőrincz P, Los M, Lotze MT, Lovat PE, Lu B, Lu B, Lu J, Lu Q, Lu SM, Lu S, Lu Y, Luciano F, Luckhart S, Lucocq JM, Ludovico P, Lugea A, Lukacs NW, Lum JJ, Lund AH, Luo H, Luo J, Luo S, Luparello C, Lyons T, Ma J, Ma Y, Ma Y, Ma Z, Machado J, Machado-Santelli GM, Macian F, MacIntosh GC, MacKeigan JP, Macleod KF, MacMicking JD, MacMillan-Crow LA, Madeo F, Madesh M, Madrigal-Matute J, Maeda A, Maeda T, Maegawa G, Maellaro E, Maes H, Magariños M, Maiese K, Maiti TK, Maiuri L, Maiuri MC, Maki CG, Malli R, Malorni W, Maloyan A, Mami-Chouaib F, Man N, Mancias JD, Mandelkow EM, Mandell MA, Manfredi AA, Manié SN, Manzoni C, Mao K, Mao Z, Mao ZW, Marambaud P, Marconi AM, Marelja Z, Marfe G, Margeta M, Margittai E, Mari M, Mariani FV, Marin C, Marinelli S, Mariño G, Markovic I, Marquez R, Martelli AM, Martens S, Martin KR, Martin SJ, Martin S, Martin-Acebes MA, Martín-Sanz P, Martinand-Mari C, Martinet W, Martinez J, Martinez-Lopez N, Martinez-Outschoorn U, Martínez-Velázquez M, Martinez-Vicente M, Martins WK, Mashima H, Mastrianni JA, Matarese G, Matarrese P, Mateo R, Matoba S, Matsumoto N, Matsushita T, Matsuura A, Matsuzawa T, Mattson MP, Matus S, Maugeri N, Mauvezin C, Mayer A, Maysinger D, Mazzolini GD, McBrayer MK, McCall K, McCormick C, McInerney GM, McIver SC, McKenna S, McMahon JJ, McNeish IA, Mehta-Grigoriou F, Medema JP, Medina DL, Megyeri K, Mehrpour M, Mehta JL, Mei Y, Meier UC, Meijer

AJ, Meléndez A, Melino G, Melino S, de Melo EJ, Mena MA, Meneghini MD, Menendez JA, Menezes R, Meng L, Meng LH, Meng S, Menghini R, Menko AS, Menna-Barreto RF, Menon MB, Meraz-Ríos MA, Merla G, Merlini L, Merlot AM, Meryk A, Meschini S, Meyer JN, Mi MT, Miao CY, Micale L, Michaeli S, Michiels C, Migliaccio AR, Mihailidou AS, Mijaljica D, Mikoshiba K, Milan E, Miller-Fleming L, Mills GB, Mills IG, Minakaki G, Minassian BA, Ming XF, Minibayeva F, Minina EA, Mintern JD, Minucci S, Miranda-Vizuete A, Mitchell CH, Miyamoto S, Miyazawa K, Mizushima N, Mnich K, Mograbi B, Mohseni S, Moita LF, Molinari M, Molinari M, Møller AB, Mollereau B, Mollinedo F, Mongillo M, Monick MM, Montagnaro S, Montell C, Moore DJ, Moore MN, Mora-Rodriguez R, Moreira PI, Morel E, Morelli MB, Moreno S, Morgan MJ, Moris A, Moriyasu Y, Morrison JL, Morrison LA, Morselli E, Moscat J, Moseley PL, Mostowy S, Motori E, Mottet D, Mottram JC, Moussa CE, Mpakou VE, Mukhtar H, Mulcahy Levy JM, Muller S, Muñoz-Moreno R, Muñoz-Pinedo C, Münz C, Murphy ME, Murray JT, Murthy A, Mysorekar IU, Nabi IR, Nabissi M, Nader GA, Nagahara Y, Nagai Y, Nagata K, Nagelkerke A, Nagy P, Naidu SR, Nair S, Nakano H, Nakatogawa H, Nanjundan M, Napolitano G, Naqvi NI, Nardacci R, Narendra DP, Narita M, Nascimbeni AC, Natarajan R, Navegantes LC, Nawrocki ST, Nazarko TY, Nazarko VY, Neill T, Neri LM, Netea MG, Netea-Maier RT, Neves BM, Ney PA, Nezis IP, Nguyen HT, Nguyen HP, Nicot AS, Nilsen H, Nilsson P, Nishimura M, Nishino I, Niso-Santano M, Niu H, Nixon RA, Njar VC, Noda T, Noegel AA, Nolte EM, Norberg E, Norga KK, Noureini SK, Notomi S, Notterpek L, Nowikovsky K, Nukina N, Nürnberger T, O'Donnell VB, O'Donovan T, O'Dwyer PJ, Oehme I, Oeste CL, Ogawa M, Ogretmen B, Ogura Y, Oh YJ, Ohmuraya M, Ohshima T, Ojha R, Okamoto K, Okazaki T, Oliver FJ, Ollinger K, Olsson S, Orban DP, Ordonez P, Orhon I, Orosz L, O'Rourke EJ, Orozco H, Ortega AL, Ortona E, Osellame LD, Oshima J, Oshima S, Osiewicz HD, Otomo T, Otsu K, Ou JH, Outeiro TF, Ouyang DY, Ouyang H, Overholtzer M, Ozbun MA, Ozdinler PH, Ozpolat B, Pacelli C, Paganetti P, Page G, Pages G, Pagnini U, Pajak B, Pak SC, Pakos-Zebrucka K, Pakpour N, Palková Z, Palladino F, Pallauf K, Pallet N, Palmieri M, Paludan SR, Palumbo C, Palumbo S, Pampliega O, Pan H, Pan W, Panaretakis T, Pandey A, Pantazopoulou A, Papackova Z, Papademetrio DL, Papassideri I, Papini A, Parajuli N, Pardo J, Parekh VV, Parenti G, Park JI, Park J, Park OK, Parker R, Parlato R, Parys JB, Parzych KR, Pasquet JM, Pasquier B, Pasumarthi KB, Patschan D, Patterson C, Patingre S, Pattison S, Pause A, Pavenstädt H, Pavone F, Pedrozo Z, Peña FJ, Peñalva MA, Pende M, Peng J, Penna F, Penninger JM, Pensalfini A, Pepe S, Pereira GJ, Pereira PC, Pérez-de la Cruz V, Pérez-Pérez ME, Pérez-Rodríguez D, Pérez-Sala D, Perier C, Perl A, Perlmutter DH, Perrotta I, Pervaiz S, Pesonen M, Pessin JE, Peters GJ, Petersen M, Petrache I, Petrof BJ, Petrovski G, Phang JM, Piacentini M, Pierdominici M, Pierre P, Pierrefite-Carle V, Pietrocola F, Pimentel-Muiños FX, Pinar M, Pineda B, Pinkas-Kramarski R, Pinti M, Pinton P, Piperdi B, Piret JM, Platanias LC, Platta HW, Plowey ED, Pöggeler S, Poirot M, Polčič P, Poletti A, Poon AH, Popelka H, Popova B, Poprawa I, Poulouse SM, Poulton J, Powers SK, Powers T, Pozuelo-Rubio M, Prak K, Prange R, Prescott M, Priault M, Prince S, Proia RL, Proikas-Cezanne T, Prokisch H, Promponas VJ, Przyklenk K, Puertollano R, Pugazhenth S, Puglielli L, Pujol A, Puyal J, Pyeon D, Qi X, Qian WB, Qin ZH, Qiu Y, Qu Z, Cuadrilatero J, Quinn F, Raben N, Rabinowich H, Radogna F, Ragusa MJ, Rahmani M, Raina K, Ramanadham S, Ramesh R, Rami A, Randall-Demillo S, Randow F, Rao H, Rao VA, Rasmussen BB, Rasse TM, Ratovitski EA, Rautou PE, Ray SK, Razani B, Reed BH, Reggiori F, Rehm M, Reichert AS, Rein T, Reiner DJ, Reits E, Ren J, Ren X, Renna M, Reusch JE, Revuelta JL, Reyes L, Rezaie AR, Richards RI, Richardson DR, Richetta C, Riehle MA, Rihn BH, Rikihisa Y, Riley BE, Rimbach G, Rippo MR, Ritis K, Rizzi F, Rizzo E, Roach PJ, Robbins J, Roberge M, Roca G, Roccheri MC, Rocha S, Rodrigues CM, Rodríguez CI, de Cordoba SR, Rodriguez-Muela N, Roelofs J, Rogov VV, Rohn TT, Rohrer B, Romanelli D, Romani L, Romano PS, Roncero MI, Rosa JL, Rosello A, Rosen KV, Rosenstiel P, Rost-Roszkowska M, Roth KA, Roué G, Rouis M, Rouschop KM, Ruan DT, Ruano D, Rubinsztein DC, Rucker EB 3rd, Rudich A, Rudolf E, Rudolf R, Ruegg MA, Ruiz-Roldan C, Ruparelía AA, Rusmini P, Russ DW, Russo GL, Russo G, Russo R, Rusten TE, Ryabovol V, Ryan KM, Ryter SW, Sabatini DM, Sacher M, Sachse C, Sack MN, Sadoshima J, Saftig P, Sagi-Eisenberg R, Sahni S, Saikumar P, Saito T, Saitoh T, Sakakura K, Sakoh-Nakatogawa M, Sakuraba Y, Salazar-Roa M, Salomoni P, Saluja AK, Salvaterra PM, Salvioli R, Samali A, Sanchez AM, Sánchez-Alcázar JA,

Sanchez-Prieto R, Sandri M, Sanjuan MA, Santaguida S, Santambrogio L, Santoni G, Dos Santos CN, Saran S, Sardiello M, Sargent G, Sarkar P, Sarkar S, Sarrias MR, Sarwal MM, Sasakawa C, Sasaki M, Sass M, Sato K, Sato M, Satriano J, Savaraj N, Saveljeva S, Schaefer L, Schaible UE, Scharl M, Schatzl HM, Schekman R, Scheper W, Schiavi A, Schipper HM, Schmeisser H, Schmidt J, Schmitz I, Schneider BE, Schneider EM, Schneider JL, Schon EA, Schönenberger MJ, Schönthal AH, Schorderet DF, Schröder B, Schuck S, Schulze RJ, Schwarten M, Schwarz TL, Sciarretta S, Scotto K, Scovassi AI, Screation RA, Screen M, Seca H, Sedej S, Segatori L, Segev N, Seglen PO, Seguí-Simarro JM, Segura-Aguilar J, Seki E, Sell C, Seiliez I, Semenkovich CF, Semenza GL, Sen U, Serra AL, Serrano-Puebla A, Sesaki H, Setoguchi T, Settembre C, Shacka JJ, Shajahan-Haq AN, Shapiro IM, Sharma S, She H, Shen CK, Shen CC, Shen HM, Shen S, Shen W, Sheng R, Sheng X, Sheng ZH, Shepherd TG, Shi J, Shi Q, Shi Q, Shi Y, Shibutani S, Shibuya K, Shidoji Y, Shieh JJ, Shih CM, Shimada Y, Shimizu S, Shin DW, Shinohara ML, Shintani M, Shintani T, Shioi T, Shirabe K, Shiri-Sverdlov R, Shirihai O, Shore GC, Shu CW, Shukla D, Sibirny AA, Sica V, Sigurdson CJ, Sigurdsson EM, Sijwali PS, Sikorska B, Silveira WA, Silvente-Poirot S, Silverman GA, Simak J, Simmet T, Simon AK, Simon HU, Simone C, Simons M, Simonsen A, Singh R, Singh SV, Singh SK, Sinha D, Sinha S, Sinicope FA, Sirko A, Sirohi K, Sishi BJ, Sittler A, Siu PM, Sivridis E, Skwarska A, Slack R, Slaninová I, Slavov N, Smaili SS, Smalley KS, Smith DR, Soenen SJ, Soleimanpour SA, Solhaug A, Somasundaram K, Son JH, Sonawane A, Song C, Song F, Song HK, Song JX, Song W, Soo KY, Sood AK, Soong TW, Soontornniyomkij V, Sorice M, Sotgia F, Soto-Pantoja DR, Sotthibundhu A, Sousa MJ, Spaink HP, Span PN, Spang A, Sparks JD, Speck PG, Spector SA, Spies CD, Springer W, Clair DS, Stacchiotti A, Staels B, Stang MT, Starczynowski DT, Starokadomskyy P, Steegborn C, Steele JW, Stefanis L, Steffan J, Stellrecht CM, Stenmark H, Stepkowski TM, Stern ST, Stevens C, Stockwell BR, Stoka V, Storchova Z, Stork B, Stratoulis V, Stravopodis DJ, Strnad P, Strohecker AM, Ström AL, Stromhaug P, Stulik J, Su YX, Su Z, Subauste CS, Subramaniam S, Sue CM, Suh SW, Sui X, Sukserree S, Sulzer D, Sun FL, Sun J, Sun J, Sun SY, Sun Y, Sun Y, Sun Y, Sundaramoorthy V, Sung J, Suzuki H, Suzuki K, Suzuki N, Suzuki T, Suzuki YJ, Swanson MS, Swanton C, Swärd K, Swarup G, Sweeney ST, Sylvester PW, Szatmari Z, Szegezdi E, Szlosarek PW, Taegtmeyer H, Tafani M, Taillebourg E, Tait SW, Takacs-Vellai K, Takahashi Y, Takáts S, Takemura G, Takigawa N, Talbot NJ, Tamagno E, Tamburini J, Tan CP, Tan L, Tan ML, Tan M, Tan YJ, Tanaka K, Tanaka M, Tang D, Tang D, Tang G, Tanida I, Tanji K, Tannous BA, Tapia JA, Tasset-Cuevas I, Tatar M, Tavassoly I, Tavernarakis N, Taylor A, Taylor GS, Taylor GA, Taylor JP, Taylor MJ, Tchetina EV, Tee AR, Teixeira-Clerc F, Telang S, Tencomnao T, Teng BB, Teng RJ, Terro F, Tettamanti G, Theiss AL, Theron AE, Thomas KJ, Thomé MP, Thomes PG, Thorburn A, Thorner J, Thum T, Thumm M, Thurston TL, Tian L, Till A, Ting JP, Titorenko VI, Toker L, Toldo S, Tooze SA, Topisirovic I, Torgersen ML, Torosantucci L, Torriglia A, Torrisi MR, Tournier C, Towns R, Trajkovic V, Travassos LH, Triola G, Tripathi DN, Trisciuglio D, Troncoso R, Trougakos IP, Truttmann AC, Tsai KJ, Tschan MP, Tseng YH, Tsukuba T, Tsung A, Tsvetkov AS, Tu S, Tuan HY, Tucci M, Tumbarello DA, Turk B, Turk V, Turner RF, Tveita AA, Tyagi SC, Ubukata M, Uchiyama Y, Udelnow A, Ueno T, Umekawa M, Umemiya-Shirafuji R, Underwood BR, Ungermann C, Ureshino RP, Ushioda R, Uversky VN, Uzcátegui NL, Vaccari T, Vaccaro MI, Váchová L, Vakifahmetoglu-Norberg H, Valdor R, Valente EM, Vallette F, Valverde AM, Van den Berghe G, Van Den Bosch L, van den Brink GR, van der Goot FG, van der Klei IJ, van der Laan LJ, van Doorn WG, van Egmond M, van Golen KL, Van Kaer L, van Lookeren Campagne M, Vandenabeele P, Vandenberghe W, Vanhorebeek I, Varela-Nieto I, Vasconcelos MH, Vasko R, Vavvas DG, Vega-Naredo I, Velasco G, Velentzas AD, Velentzas PD, Vellai T, Vellenga E, Vendelbo MH, Venkatachalam K, Ventura N, Ventura S, Veras PS, Verdier M, Vertessy BG, Viale A, Vidal M, Vieira HL, Vierstra RD, Vigneswaran N, Vij N, Vila M, Villar M, Villar VH, Villarroya J, Vindis C, Viola G, Viscomi MT, Vitale G, Vogl DT, Voitsekhovskaja OV, von Haefen C, von Schwarzenberg K, Voth DE, Vouret-Craviari V, Vuori K, Vyas JM, Waeber C, Walker CL, Walker MJ, Walter J, Wan L, Wan X, Wang B, Wang C, Wang CY, Wang C, Wang C, Wang C, Wang D, Wang F, Wang F, Wang G, Wang HJ, Wang H, Wang HG, Wang H, Wang HD, Wang J, Wang J, Wang M, Wang MQ, Wang PY, Wang P, Wang RC, Wang S, Wang TF, Wang X, Wang XJ, Wang XW, Wang X, Wang X, Wang Y, Wang Y, Wang Y, Wang YJ, Wang Y, Wang Y, Wang YT, Wang Y, Wang ZN, Wappner P, Ward C, Ward DM, Warnes G, Watada H, Watanabe Y, Watase K, Weaver TE, Weekes CD, Wei J, Weide T,

Weihl CC, Weindl G, Weis SN, Wen L, Wen X, Wen Y, Westermann B, Weyand CM, White AR, White E, Whitton JL, Whitworth AJ, Wiels J, Wild F, Wildenberg ME, Wileman T, Wilkinson DS, Wilkinson S, Willbold D, Williams C, Williams K, Williamson PR, Winkelhofer KF, Witkin SS, Wohlgemuth SE, Wollert T, Wolvetang EJ, Wong E, Wong GW, Wong RW, Wong VK, Woodcock EA, Wright KL, Wu C, Wu D, Wu GS, Wu J, Wu J, Wu M, Wu M, Wu S, Wu WK, Wu Y, Wu Z, Xavier CP, Xavier RJ, Xia GX, Xia T, Xia W, Xia Y, Xiao H, Xiao J, Xiao S, Xiao W, Xie CM, Xie Z, Xie Z, Xilouri M, Xiong Y, Xu C, Xu C, Xu F, Xu H, Xu H, Xu J, Xu J, Xu J, Xu L, Xu X, Xu Y, Xu Y, Xu ZX, Xu Z, Xue Y, Yamada T, Yamamoto A, Yamanaka K, Yamashina S, Yamashiro S, Yan B, Yan B, Yan X, Yan Z, Yanagi Y, Yang DS, Yang JM, Yang L, Yang M, Yang PM, Yang P, Yang Q, Yang W, Yang WY, Yang X, Yang Y, Yang Y, Yang Z, Yang Z, Yao MC, Yao PJ, Yao X, Yao Z, Yao Z, Yasui LS, Ye M, Yedvobnick B, Yeganeh B, Yeh ES, Yeyati PL, Yi F, Yi L, Yin XM, Yip CK, Yoo YM, Yoo YH, Yoon SY, Yoshida K, Yoshimori T, Young KH, Yu H, Yu JJ, Yu JT, Yu J, Yu L, Yu WH, Yu XF, Yu Z, Yuan J, Yuan ZM, Yue BY, Yue J, Yue Z, Zacks DN, Zacksenhaus E, Zaffaroni N, Zaglia T, Zakeri Z, Zecchini V, Zeng J, Zeng M, Zeng Q, Zervos AS, Zhang DD, Zhang F, Zhang G, Zhang GC, Zhang H, Zhang H, Zhang H, Zhang H, Zhang J, Zhang J, Zhang J, Zhang J, Zhang JP, Zhang L, Zhang L, Zhang L, Zhang L, Zhang MY, Zhang X, Zhang XD, Zhang Y, Zhang Y, Zhang Y, Zhang Y, Zhang Y, Zhao M, Zhao WL, Zhao X, Zhao YG, Zhao Y, Zhao Y, Zhao YX, Zhao Z, Zhao ZJ, Zheng D, Zheng XL, Zheng X, Zhivotovsky B, Zhong Q, Zhou GZ, Zhou G, Zhou H, Zhou SF, Zhou XJ, Zhu H, Zhu H, Zhu WG, Zhu W, Zhu XF, Zhu Y, Zhuang SM, Zhuang X, Ziparo E, Zois CE, Zoladek T, Zong WX, Zorzano A, Zughaier SM. Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*. 2016;12(1):1-222. doi: 10.1080/15548627.2015.1100356. Erratum in: *Autophagy*. 2016;12(2):443. Selliez, Iban [corrected to Seilliez, Iban]. PubMed PMID: 26799652; PubMed Central PMCID: PMC4835977.

450: Ahmad FU, Starke RM, Komotar RJ, Connolly ES. A Randomized Clinical Trial of Hypothermia as a Preferred Second-Line Treatment for Elevated Intracranial Pressure After Traumatic Brain Injury. *Neurosurgery*. 2016 Feb;78(2):N10-1. doi: 10.1227/NEU.0000000000001171. PubMed PMID: 26779789.

451: Huss DS, Dallapiazza RF, Shah BB, Harrison MB, Diamond J, Elias WJ. Functional assessment and quality of life in essential tremor with bilateral or unilateral DBS and focused ultrasound thalamotomy. *Mov Disord*. 2015 Dec;30(14):1937-43. doi: 10.1002/mds.26455. Epub 2015 Nov 17. PubMed PMID: 26769606.

452: De la Garza-Ramos R, Samdani AF, Sponseller PD, Ain MC, Miller NR, Shaffrey CI, Sciubba DM. Visual loss after corrective surgery for pediatric scoliosis: incidence and risk factors from a nationwide database. *Spine J*. 2016 Apr;16(4):516-22. doi: 10.1016/j.spinee.2015.12.031. Epub 2016 Jan 5. PubMed PMID: 26769351.

453: Fried HI, Nathan BR, Rowe AS, Zabramski JM, Andaluz N, Bhimraj A, Guanci MM, Seder DB, Singh JM. The Insertion and Management of External Ventricular Drains: An Evidence-Based Consensus Statement : A Statement for Healthcare Professionals from the Neurocritical Care Society. *Neurocrit Care*. 2016 Feb;24(1):61-81. doi: 10.1007/s12028-015-0224-8. Review. PubMed PMID: 26738503.

454: Daniels AH, Smith JS, Hiratzka J, Ames CP, Bess S, Shaffrey CI, Schwab FJ, Lafage V, Klineberg EO, Burton D, Mundis GM, Line B, Hart RA; International Spine Study Group (ISSG). Functional Limitations Due to Lumbar Stiffness in Adults With and Without Spinal Deformity. *Spine (Phila Pa 1976)*. 2015 Oct 15;40(20):1599-604. doi: 10.1097/BRS.0000000000001090. PubMed PMID: 26731705.

455: Gupta MC, Ferrero E, Mundis G, Smith JS, Shaffrey CI, Schwab F, Kim HJ, Boachie-Adjei O, Lafage V, Bess S, Hostin R, Burton DC, Ames CP, Kebaish K, Klineberg E; International Spine Study Group.

Pedicle Subtraction Osteotomy in the Revision Versus Primary Adult Spinal Deformity Patient: Is There a Difference in Correction and Complications? *Spine (Phila Pa 1976)*. 2015 Nov;40(22):E1169-75. doi: 10.1097/BRS.0000000000001107. PubMed PMID: 26730526.

456: Glushakova OY, Glushakov AV, Miller ER, Valadka AB, Hayes RL. Biomarkers for acute diagnosis and management of stroke in neurointensive care units. *Brain Circ*. 2016 Jan-Mar;2(1):28-47. doi: 10.4103/2394-8108.178546. Epub 2016 Mar 11. Review. PubMed PMID: 30276272; PubMed Central PMCID: PMC6126247.

457: Bess S, Protopsaltis TS, Lafage V, Lafage R, Ames CP, Errico T, Smith JS; International Spine Study Group. Clinical and Radiographic Evaluation of Adult Spinal Deformity. *Clin Spine Surg*. 2016 Feb;29(1):6-16. doi: 10.1097/BSD.0000000000000352. Review. PubMed PMID: 26710188.

458: Zdilla MJ, Hatfield SA, McLean KA, Laslo JM, Cyrus LM, Lambert HW. Orientation of the Foramen Ovale: An Anatomic Study With Neurosurgical Considerations. *J Craniofac Surg*. 2016 Jan;27(1):234-7. doi: 10.1097/SCS.0000000000002332. PubMed PMID: 26703059; PubMed Central PMCID: PMC4706813.

459: Zdilla MJ, Hatfield SA, McLean KA, Cyrus LM, Laslo JM, Lambert HW. Circularity, Solidity, Axes of a Best Fit Ellipse, Aspect Ratio, and Roundness of the Foramen Ovale: A Morphometric Analysis With Neurosurgical Considerations. *J Craniofac Surg*. 2016 Jan;27(1):222-8. doi: 10.1097/SCS.0000000000002285. PubMed PMID: 26703050; PubMed Central PMCID: PMC4706773.

460: Opalak CF, Opalak ME. Arachnoiditis ossificans and syringomyelia: A unique presentation. *Surg Neurol Int*. 2015 Nov 25;6(Suppl 24):S608-10. doi: 10.4103/2152-7806.170437. eCollection 2015. PubMed PMID: 26693389; PubMed Central PMCID: PMC4671140.

461: Ames C, Gammal I, Matsumoto M, Hosogane N, Smith JS, Protopsaltis T, Yamato Y, Matsuyama Y, Taneichi H, Lafage R, Ferrero E, Schwab FJ, Lafage V. Geographic and Ethnic Variations in Radiographic Disability Thresholds: Analysis of North American and Japanese Operative Adult Spinal Deformity Populations. *Neurosurgery*. 2016 Jun;78(6):793-801. doi: 10.1227/NEU.0000000000001184. PubMed PMID: 26692107.

462: Rossmeis JH, Andriani RT, Cecere TE, Lahmers K, LeRoith T, Zimmerman KL, Gibo D, Debinski W. Frame-Based Stereotactic Biopsy of Canine Brain Masses: Technique and Clinical Results in 26 Cases. *Front Vet Sci*. 2015 Jul 27;2:20. doi: 10.3389/fvets.2015.00020. eCollection 2015. PubMed PMID: 26664949; PubMed Central PMCID: PMC4672202.

463: Moon BJ, Smith JS, Ames CP, Shaffrey CI, Lafage V, Schwab F, Matsumoto M, Baik JS, Ha Y. Prevalence and type of cervical deformities among adults with Parkinson's disease: a cross-sectional study. *J Neurosurg Spine*. 2016 Apr;24(4):527-34. doi: 10.3171/2015.6.SPINE141197. Epub 2015 Dec 11. PubMed PMID: 26654338.

464: Natarajan SK, Lin N, Sonig A, Rai AT, Carpenter JS, Levy EI, Siddiqui AH. The safety of Pipeline flow diversion in fusiform vertebrobasilar aneurysms: a consecutive case series with longer-term follow-up from a single US center. *J Neurosurg*. 2016 Jul;125(1):111-9. doi: 10.3171/2015.6.JNS1565. Epub 2015 Dec 11. PubMed PMID: 26654175.

465: Pledger CL, Elzoghby MA, Oldfield EH, Payne SC, Jane JA Jr. Prospective comparison of sinonasal outcomes after microscopic sublabial or endoscopic endonasal transsphenoidal surgery for nonfunctioning pituitary neuroendocrine tumors. *J Neurosurg*. 2016 Aug;125(2):323-33. doi: 10.3171/2015.6.JNS142695. Epub 2015 Dec 11. PubMed PMID: 26654174.

466: Ramchandran S, Smith JS, Ailon T, Klineberg E, Shaffrey C, Lafage V, Schwab F, Bess S, Daniels A, Scheer JK, Protopsaltis TS, Arnold P, Haid RW Jr, Chapman J, Fehlings MG, Ames CP; AOSpine North America, International Spine Study Group. Assessment of Impact of Long-Cassette Standing X-Rays on Surgical Planning for Cervical Pathology: An International Survey of Spine Surgeons. *Neurosurgery*. 2016 May;78(5):717-24. doi: 10.1227/NEU.0000000000001128. PubMed PMID: 26619335.

467: Lee SK, Hetts SW, Halbach V, terBrugge K, Ansari SA, Albani B, Abruzzo T, Arthur A, Alexander MJ, Albuquerque FC, Baxter B, Bulsara KR, Chen M, Delgado Almandoz JE, Fraser JF, Frei D, Gandhi CD, Heck D, Hussain MS, Kelly M, Klucznik R, Leslie-Mazwi T, McTaggart RA, Meyers PM, Patsalides A, Prestigiacomo C, Pride GL, Starke R, Sunenshine P, Rasmussen P, Jayaraman MV; Standard and Guidelines Committee for the Society of Neurointerventional Surgery. Standard and Guidelines: Intracranial Dural Arteriovenous Shunts. *J Neurointerv Surg*. 2017 May;9(5):516-523. doi: 10.1136/neurintsurg-2015-012116. Epub 2015 Nov 27. PubMed PMID: 26614491.

468: Cuttano R, Rudini N, Bravi L, Corada M, Giampietro C, Papa E, Morini MF, Maddaluno L, Baeyens N, Adams RH, Jain MK, Owens GK, Schwartz M, Lampugnani MG, Dejana E. KLF4 is a key determinant in the development and progression of cerebral cavernous malformations. *EMBO Mol Med*. 2016 Jan 1;8(1):6-24. doi: 10.15252/emmm.201505433. PubMed PMID: 26612856; PubMed Central PMCID: PMC4718159.

469: Daou B, Starke RM, Chalouhi N, Tjoumakaris S, Hasan D, Khoury J, Rosenwasser RH, Jabbour P. Pipeline Embolization Device in the Treatment of Recurrent Previously Stented Cerebral Aneurysms. *AJNR Am J Neuroradiol*. 2016 May;37(5):849-55. doi: 10.3174/ajnr.A4613. Epub 2015 Nov 26. PubMed PMID: 26611991.

470: Ivey JW, Latouche EL, Sano MB, Rossmeisl JH, Davalos RV, Verbridge SS. Targeted cellular ablation based on the morphology of malignant cells. *Sci Rep*. 2015 Nov 24;5:17157. doi: 10.1038/srep17157. PubMed PMID: 26596248; PubMed Central PMCID: PMC4657158.

471: Smith JS, Ramchandran S, Lafage V, Shaffrey CI, Ailon T, Klineberg E, Protopsaltis T, Schwab FJ, O'Brien M, Hostin R, Gupta M, Mundis G, Hart R, Kim HJ, Passias PG, Scheer JK, Deviren V, Burton DC, Eastlack R, Bess S, Albert TJ, Riew KD, Ames CP; International Spine Study Group. Prospective Multicenter Assessment of Early Complication Rates Associated With Adult Cervical Deformity Surgery in 78 Patients. *Neurosurgery*. 2016 Sep;79(3):378-88. doi: 10.1227/NEU.0000000000001129. PubMed PMID: 26595429.

472: Neff LP, Cannon JW, Charnock KM, Farmer DL, Borgman MA, Ricca RL. Elective pediatric surgical care in a forward deployed setting: What is feasible vs. what is reasonable. *J Pediatr Surg*. 2016 Mar;51(3):409-15. doi: 10.1016/j.jpedsurg.2015.08.060. Epub 2015 Sep 15. PubMed PMID: 26585881.

473: Starke RM, Komotar RJ, Connolly ES. A Prospective Cohort Study of Idarucizumab for Reversal of Dabigatran-Associated Hemorrhage. *Neurosurgery*. 2015 Dec;77(6):N11-3. doi: 10.1227/01.neu.0000473806.53232.3e. PubMed PMID: 26584318.

474: Makar TK, Gerzanich V, Nimmagadda VK, Jain R, Lam K, Mubariz F, Trisler D, Ivanova S, Woo SK, Kwon MS, Bryan J, Bever CT, Simard JM. Silencing of Abcc8 or inhibition of newly upregulated Sur1-Trpm4 reduce inflammation and disease progression in experimental autoimmune encephalomyelitis. *J Neuroinflammation*. 2015 Nov 18;12:210. doi: 10.1186/s12974-015-0432-3. PubMed PMID: 26581714; PubMed Central PMCID: PMC4652344.

475: Smith JS, Lafage V, Shaffrey CI, Schwab F, Lafage R, Hostin R, O'Brien M, Boachie-Adjei O,

Akbarnia BA, Mundis GM, Errico T, Kim HJ, Protopsaltis TS, Hamilton DK, Scheer JK, Sciubba D, Ailon T, Fu KM, Kelly MP, Zebala L, Line B, Klineberg E, Gupta M, Deviren V, Hart R, Burton D, Bess S, Ames CP; International Spine Study Group. Outcomes of Operative and Nonoperative Treatment for Adult Spinal Deformity: A Prospective, Multicenter, Propensity-Matched Cohort Assessment With Minimum 2-Year Follow-up. *Neurosurgery*. 2016 Jun;78(6):851-61. doi: 10.1227/NEU.0000000000001116. PubMed PMID: 26579966.

476: Turner RC, Lucke-Wold BP, Logsdon AF, Robson MJ, Lee JM, Bailes JE, Dashnaw ML, Huber JD, Petraglia AL, Rosen CL. Modeling Chronic Traumatic Encephalopathy: The Way Forward for Future Discovery. *Front Neurol*. 2015 Oct 26;6:223. doi: 10.3389/fneur.2015.00223. eCollection 2015. Review. PubMed PMID: 26579067; PubMed Central PMCID: PMC4620695.

477: Bess S, Line B, Fu KM, McCarthy I, Lafage V, Schwab F, Shaffrey C, Ames C, Akbarnia B, Jo H, Kelly M, Burton D, Hart R, Klineberg E, Kebaish K, Hostin R, Mundis G, Mummaneni P, Smith JS; International Spine Study Group. The Health Impact of Symptomatic Adult Spinal Deformity: Comparison of Deformity Types to United States Population Norms and Chronic Diseases. *Spine (Phila Pa 1976)*. 2016 Feb;41(3):224-33. doi: 10.1097/BRS.0000000000001202. PubMed PMID: 26571174; PubMed Central PMCID: PMC4718181.

478: Gupta M, Henry JK, Schwab F, Klineberg E, Smith JS, Gum J, Polly DW Jr, Liabaud B, Diebo BG, Hamilton DK, Eastlack R, Passias PG, Burton D, Protopsaltis T, Lafage V; International Spine Study Group. Dedicated Spine Measurement Software Quantifies Key Spino-Pelvic Parameters More Reliably Than Traditional Picture Archiving and Communication Systems Tools. *Spine (Phila Pa 1976)*. 2016 Jan;41(1):E22-7. doi: 10.1097/BRS.0000000000001216. PubMed PMID: 26571173.

479: Schnakers C, Zasler N. Assessment and Management of Pain in Patients With Disorders of Consciousness. *PM R*. 2015 Nov;7(11 Suppl):S270-7. doi: 10.1016/j.pmrj.2015.09.016. Review. PubMed PMID: 26568506.

480: Joret MO, Starke RM, Scotter J, Heppner P. Metastatic choriocarcinoma induced separate simultaneous intracerebral haemorrhages: a very rare occurrence and its novel association with Klinefelter syndrome. *BMJ Case Rep*. 2015 Nov 12;2015. pii: bcr2015212777. doi: 10.1136/bcr-2015-212777. PubMed PMID: 26564116; PubMed Central PMCID: PMC4654026.

481: Murphy SF, Varghese RT, Lamouille S, Guo S, Pridham KJ, Kanabur P, Osimani AM, Sharma S, Jourdan J, Rodgers CM, Simonds GR, Gourdie RG, Sheng Z. Connexin 43 Inhibition Sensitizes Chemoresistant Glioblastoma Cells to Temozolomide. *Cancer Res*. 2016 Jan 1;76(1):139-49. doi: 10.1158/0008-5472.CAN-15-1286. Epub 2015 Nov 5. PubMed PMID: 26542214; PubMed Central PMCID: PMC5113032.

482: Turner RC, Lucke-Wold BP, Logsdon AF, Robson MJ, Dashnaw ML, Huang JH, Smith KE, Huber JD, Rosen CL, Petraglia AL. The Quest to Model Chronic Traumatic Encephalopathy: A Multiple Model and Injury Paradigm Experience. *Front Neurol*. 2015 Oct 20;6:222. doi: 10.3389/fneur.2015.00222. eCollection 2015. PubMed PMID: 26539159; PubMed Central PMCID: PMC4611965.

483: Hitchon PW, Abode-Iyamah K, Dahdaleh NS, Shaffrey C, Noeller J, He W, Moritani T. Nonoperative Management in Neurologically Intact Thoracolumbar Burst Fractures: Clinical and Radiographic Outcomes. *Spine (Phila Pa 1976)*. 2016 Mar;41(6):483-9. doi: 10.1097/BRS.0000000000001253. PubMed PMID: 26536444.

484: Trifiletti DM, Lee CC, Schlesinger D, Larner JM, Xu Z, Sheehan JP. Leukoencephalopathy After Stereotactic Radiosurgery for Brain Metastases. *Int J Radiat Oncol Biol Phys*. 2015 Nov 15;93(4):870-8.

doi: 10.1016/j.ijrobp.2015.07.2280. Epub 2015 Jul 29. PubMed PMID: 26530756.

485: Lucke-Wold BP, Nguyen L, Turner RC, Logsdon AF, Chen YW, Smith KE, Huber JD, Matsumoto R, Rosen CL, Tucker ES, Richter E. Traumatic brain injury and epilepsy: Underlying mechanisms leading to seizure. *Seizure*. 2015 Dec;33:13-23. doi: 10.1016/j.seizure.2015.10.002. Epub 2015 Oct 29. Review. PubMed PMID: 26519659.

486: Ullman JS, Timmons SD, Valadka AB. Neurosurgeons' Critical Role in Managing Traumatic Brain Injury. *JAMA Surg*. 2016 Feb;151(2):199-200. doi: 10.1001/jamasurg.2015.3642. PubMed PMID: 26509797.

487: Kwolek CJ, Jaff MR, Leal JI, Hopkins LN, Shah RM, Hanover TM, Macdonald S, Cambria RP. Results of the ROADSTER multicenter trial of transcarotid stenting with dynamic flow reversal. *J Vasc Surg*. 2015 Nov;62(5):1227-34. doi: 10.1016/j.jvs.2015.04.460. PubMed PMID: 26506270.

488: Dacey RG Jr. Obituary: John Anthony Jane Sr., MD, PhD, 1931-2015. *J Neurosurg*. 2016 Jan;124(1):1-4. doi: 10.3171/2015.9.JNS152183. Epub 2015 Oct 23. PubMed PMID: 26495940.

489: Chetty IJ, Martel MK, Jaffray DA, Benedict SH, Hahn SM, Berbeco R, Deye J, Jeraj R, Kavanagh B, Krishnan S, Lee N, Low DA, Mankoff D, Marks LB, Ollendorf D, Paganetti H, Ross B, Siochi RA, Timmerman RD, Wong JW. Technology for Innovation in Radiation Oncology. *Int J Radiat Oncol Biol Phys*. 2015 Nov 1;93(3):485-92. doi: 10.1016/j.ijrobp.2015.07.007. Epub 2015 Jul 11. PubMed PMID: 26460989; PubMed Central PMCID: PMC4610140.

490: Brophy GM, Human T, Shutter L. Emergency Neurological Life Support: Pharmacotherapy. *Neurocrit Care*. 2015 Dec;23 Suppl 2:S48-68. doi: 10.1007/s12028-015-0158-1. Review. PubMed PMID: 26438454.

491: Miller CM, Pineda J, Corry M, Brophy G, Smith WS. Emergency Neurologic Life Support (ENLS): Evolution of Management in the First Hour of a Neurological Emergency. *Neurocrit Care*. 2015 Dec;23 Suppl 2:S1-4. doi: 10.1007/s12028-015-0170-5. Review. PubMed PMID: 26438452.

492: Poland RS, Bull C, Syed WA, Bowers MS. Rodent Brain Microinjection to Study Molecular Substrates of Motivated Behavior. *J Vis Exp*. 2015 Sep 16;(103). doi: 10.3791/53018. PubMed PMID: 26437131; PubMed Central PMCID: PMC4692606.

493: Simopoulos TT, Manchikanti L, Gupta S, Aydin SM, Kim CH, Solanki D, Nampiarampam DE, Singh V, Staats PS, Hirsch JA. Systematic Review of the Diagnostic Accuracy and Therapeutic Effectiveness of Sacroiliac Joint Interventions. *Pain Physician*. 2015 Sep-Oct;18(5):E713-56. Review. PubMed PMID: 26431129.

494: Zanaty M, Chalouhi N, Jabbour P, Starke RM, Hasan D. The unusual angiographic course of intracranial pseudoaneurysms. *Asian J Neurosurg*. 2015 Oct-Dec;10(4):327-30. doi: 10.4103/1793-5482.162721. PubMed PMID: 26425168; PubMed Central PMCID: PMC4558815.

495: Lucke-Wold BP, Naser ZJ, Logsdon AF, Turner RC, Smith KE, Robson MJ, Bailes JE, Lee JM, Rosen CL, Huber JD. Amelioration of nicotinamide adenine dinucleotide phosphate-oxidase mediated stress reduces cell death after blast-induced traumatic brain injury. *Transl Res*. 2015 Dec;166(6):509-528.e1. doi: 10.1016/j.trsl.2015.08.005. Epub 2015 Sep 8. PubMed PMID: 26414010.

496: Kelly MP, Zebala LP, Kim HJ, Sciubba DM, Smith JS, Shaffrey CI, Bess S, Klineberg E, Mundis G Jr,

Burton D, Hart R, Soroceanu A, Schwab F, Lafage V; International Spine Study Group. Effectiveness of preoperative autologous blood donation for protection against allogeneic blood exposure in adult spinal deformity surgeries: a propensity-matched cohort analysis. *J Neurosurg Spine*. 2016 Jan;24(1):124-30. doi: 10.3171/2015.4.SPINE141329. Epub 2015 Sep 25. PubMed PMID: 26407086; PubMed Central PMCID: PMC4701383.

497: Lucke-Wold BP, Turner RC, Logsdon AF, Nguyen L, Bailes JE, Lee JM, Robson MJ, Omalu BI, Huber JD, Rosen CL. Endoplasmic reticulum stress implicated in chronic traumatic encephalopathy. *J Neurosurg*. 2016 Mar;124(3):687-702. doi: 10.3171/2015.3.JNS141802. Epub 2015 Sep 18. PubMed PMID: 26381255.

498: Starke RM, Komotar RJ, Connolly ES. Randomized Clinical Trial of Balloon-Expandable Intracranial Stenting Versus Aggressive Medical Therapy for Symptomatic Intracranial Arterial Stenosis. *Neurosurgery*. 2015 Oct;77(4):N11-2. doi: 10.1227/01.neu.0000471834.87972.e9. PubMed PMID: 26379174.

499: Ailon T, Smith JS, Shaffrey CI, Lenke LG, Brodke D, Harrop JS, Fehlings M, Ames CP. Degenerative Spinal Deformity. *Neurosurgery*. 2015 Oct;77 Suppl 4:S75-91. doi: 10.1227/NEU.0000000000000938. Review. PubMed PMID: 26378361.

500: Ailon T, Shaffrey CI, Lenke LG, Harrop JS, Smith JS. Progressive Spinal Kyphosis in the Aging Population. *Neurosurgery*. 2015 Oct;77 Suppl 4:S164-72. doi: 10.1227/NEU.0000000000000944. Review. PubMed PMID: 26378354.

501: Gussous Y, Than K, Mummaneni P, Smith J, Steinmetz M, Ohya J, Berven S. Appropriate Use of Limited Interventions vs Extensive Surgery in the Elderly Patient With Spinal Disorders. *Neurosurgery*. 2015 Oct;77 Suppl 4:S142-63. doi: 10.1227/NEU.0000000000000954. Review. PubMed PMID: 26378352.

502: Scheer JK, Passias PG, Soroceanu AM, Boniello AJ, Mundis GM Jr, Klineberg E, Kim HJ, Protopsaltis TS, Gupta M, Bess S, Shaffrey CI, Schwab F, Lafage V, Smith JS, Ames CP; International Spine Study Group. Association between preoperative cervical sagittal deformity and inferior outcomes at 2-year follow-up in patients with adult thoracolumbar deformity: analysis of 182 patients. *J Neurosurg Spine*. 2016 Jan;24(1):108-15. doi: 10.3171/2015.3.SPINE141098. Epub 2015 Sep 11. PubMed PMID: 26360147.

503: Edelstein MR, Gabriel RT, Elbich JD, Wolfe LG, Sydnor MK. Pain Outcomes in Patients Undergoing CT-Guided Celiac Plexus Neurolysis for Intractable Abdominal Visceral Pain. *Am J Hosp Palliat Care*. 2017 Mar;34(2):111-114. doi: 10.1177/1049909115604670. Epub 2016 Jul 11. PubMed PMID: 26345319.

504: Liu S, Tetreault L, Fehlings MG, Challier V, Smith JS, Shaffrey CI, Arnold PM, Scheer JK, Chapman JR, Kopjar B, Protopsaltis TS, Lafage V, Schwab F, Massicotte EM, Yoon ST, Ames CP. Novel Method Using Baseline Normalization and Area Under the Curve to Evaluate Differences in Outcome Between Treatment Groups and Application to Patients With Cervical Spondylotic Myelopathy Undergoing Anterior Versus Posterior Surgery. *Spine (Phila Pa 1976)*. 2015 Dec;40(24):E1299-304. doi: 10.1097/BRS.0000000000001152. PubMed PMID: 26335673.

505: McTaggart RA, Ansari SA, Goyal M, Abruzzo TA, Albani B, Arthur AJ, Alexander MJ, Albuquerque FC, Baxter B, Bulsara KR, Chen M, Almandoz JE, Fraser JF, Frei D, Gandhi CD, Heck DV, Hetts SW, Hussain MS, Kelly M, Klucznik R, Lee SK, Leslie-Mawzi T, Meyers PM, Prestigiacomo CJ, Pride GL, Patsalides A, Starke RM, Sunenshine P, Rasmussen PA, Jayaraman MV; Standards and Guidelines

Committee of the Society of NeuroInterventional Surgery (SNIS). Initial hospital management of patients with emergent large vessel occlusion (ELVO): report of the standards and guidelines committee of the Society of NeuroInterventional Surgery. *J Neurointerv Surg*. 2017 Mar;9(3):316-323. doi: 10.1136/neurintsurg-2015-011984. Epub 2015 Aug 31. PubMed PMID: 26323793.

506: Liu S, Lafage R, Smith JS, Protopsaltis TS, Lafage VC, Challier V, Shaffrey CI, Radcliff K, Arnold PM, Chapman JR, Schwab FJ, Massicotte EM, Yoon ST, Fehlings MG, Ames CP. Impact of dynamic alignment, motion, and center of rotation on myelopathy grade and regional disability in cervical spondylotic myelopathy. *J Neurosurg Spine*. 2015 Dec;23(6):690-700. doi: 10.3171/2015.2.SPINE14414. Epub 2015 Aug 28. PubMed PMID: 26315953.

507: Adamantidis A, Arber S, Bains JS, Bamberg E, Bonci A, Buzsáki G, Cardin JA, Costa RM, Dan Y, Goda Y, Graybiel AM, Häusser M, Hegemann P, Huguenard JR, Insel TR, Janak PH, Johnston D, Josselyn SA, Koch C, Kreitzer AC, Lüscher C, Malenka RC, Miesenböck G, Nagel G, Roska B, Schnitzer MJ, Shenoy KV, Soltesz I, Sternson SM, Tsien RW, Tsien RY, Turrigiano GG, Tye KM, Wilson RI. Optogenetics: 10 years after ChR2 in neurons—views from the community. *Nat Neurosci*. 2015 Sep;18(9):1202-12. doi: 10.1038/nn.4106. Review. PubMed PMID: 26308981.

508: Chien YH, Abdenur JE, Baronio F, Bannick AA, Corrales F, Couce M, Donner MG, Ficicioglu C, Freehauf C, Frithiof D, Gotway G, Hirabayashi K, Hofstede F, Hoganson G, Hwu WL, James P, Kim S, Korman SH, Lachmann R, Levy H, Lindner M, Lykopoulou L, Mayatepek E, Muntau A, Okano Y, Raymond K, Rubio-Gozalbo E, Scholl-Bürgi S, Schulze A, Singh R, Stabler S, Stuy M, Thomas J, Wagner C, Wilson WG, Wortmann S, Yamamoto S, Pao M, Blom HJ. Mudd's disease (MAT I/III deficiency): a survey of data for MAT1A homozygotes and compound heterozygotes. *Orphanet J Rare Dis*. 2015 Aug 20;10:99. doi: 10.1186/s13023-015-0321-y. Review. PubMed PMID: 26289392; PubMed Central PMCID: PMC4545930.

509: Ames CP, Smith JS, Eastlack R, Blaskiewicz DJ, Shaffrey CI, Schwab F, Bess S, Kim HJ, Mundis GM Jr, Klineberg E, Gupta M, O'Brien M, Hostin R, Scheer JK, Protopsaltis TS, Fu KM, Hart R, Albert TJ, Riew KD, Fehlings MG, Deviren V, Lafage V; International Spine Study Group. Reliability assessment of a novel cervical spine deformity classification system. *J Neurosurg Spine*. 2015 Dec;23(6):673-83. doi: 10.3171/2014.12.SPINE14780. Epub 2015 Aug 14. PubMed PMID: 26273762.

510: Webb AJ, Ullman NL, Morgan TC, Muschelli J, Kornbluth J, Awad IA, Mayo S, Rosenblum M, Ziai W, Zuccarello M, Aldrich F, John S, Harnof S, Lopez G, Broaddus WC, Wijman C, Vespa P, Bullock R, Haines SJ, Cruz-Flores S, Tuhim S, Hill MD, Narayan R, Hanley DF; MISTIE and CLEAR Investigators. Accuracy of the ABC/2 Score for Intracerebral Hemorrhage: Systematic Review and Analysis of MISTIE, CLEAR-IVH, and CLEAR III. *Stroke*. 2015 Sep;46(9):2470-6. doi: 10.1161/STROKEAHA.114.007343. Epub 2015 Aug 4. Review. PubMed PMID: 26243227; PubMed Central PMCID: PMC4550520.

511: Gornet MF, Burkus JK, Shaffrey ME, Argires PJ, Nian H, Harrell FE Jr. Cervical disc arthroplasty with PRESTIGE LP disc versus anterior cervical discectomy and fusion: a prospective, multicenter investigational device exemption study. *J Neurosurg Spine*. 2015 Nov;23(5):558-573. doi: 10.3171/2015.1.SPINE14589. Epub 2015 Jul 31. PubMed PMID: 26230424.

512: Maggio D, Ailon TT, Smith JS, Shaffrey CI, Lafage V, Schwab F, Haid RW Jr, Protopsaltis T, Klineberg E, Scheer JK, Bess S, Arnold PM, Chapman J, Fehlings MG, Ames C; AOSpine North America; International Spine Study Group. Assessment of impact of standing long-cassette radiographs on surgical planning for lumbar pathology: an international survey of spine surgeons. *J Neurosurg Spine*. 2015 Nov;23(5):581-588. doi: 10.3171/2015.1.SPINE14833. Epub 2015 Jul 31. PubMed PMID:

26230421.

513: Li G, Ruan L, Chen R, Wang R, Xie X, Zhang M, Chen L, Yan Q, Reed M, Chen J, Xu Y, Pan J, Huang W. Synergistic antidepressant-like effect of ferulic acid in combination with piperine: involvement of monoaminergic system. *Metab Brain Dis*. 2015 Dec;30(6):1505-14. doi: 10.1007/s11011-015-9704-y. Epub 2015 Jul 30. PubMed PMID: 26220010; PubMed Central PMCID: PMC4795470.

514: Scheer JK, Mundis GM, Klineberg E, Hart RA, Deviren V, Nguyen S, Protopsaltis TS, Gupta M, Bess S, Shaffrey CI, Schwab F, Lafage V, Smith JS, Ames CP; International Spine Study Group (ISSG). Postoperative Recovery After Adult Spinal Deformity Surgery: Comparative Analysis of Age in 149 Patients During 2-year Follow-up. *Spine (Phila Pa 1976)*. 2015 Oct 1;40(19):1505-15. doi: 10.1097/BRS.0000000000001062. PubMed PMID: 26192720.

515: He H, Yao M, Zhang W, Tao B, Liu F, Li S, Dong Y, Zhang C, Meng Y, Li Y, Hu G, Luo C, Zong H, Lu Y. MEK2 is a prognostic marker and potential chemo-sensitizing target for glioma patients undergoing temozolomide treatment. *Cell Mol Immunol*. 2016 Sep;13(5):658-68. doi: 10.1038/cmi.2015.46. Epub 2015 Jul 20. PubMed PMID: 26189368; PubMed Central PMCID: PMC5037281.

516: Tan Z, Lucke-Wold BP, Logsdon AF, Turner RC, Tan C, Li X, Hongpaison J, Alkon DL, Simpkins JW, Rosen CL, Huber JD. Bryostatin extends tPA time window to 6 h following middle cerebral artery occlusion in aged female rats. *Eur J Pharmacol*. 2015 Oct 5;764:404-12. doi: 10.1016/j.ejphar.2015.07.035. Epub 2015 Jul 17. PubMed PMID: 26189021; PubMed Central PMCID: PMC4698807.

517: Ding D, Sheehan JP, Starke RM, Durst CR, Raper DM, Conger JR, Evans AJ. Embolization of cerebral arteriovenous malformations with silk suture particles prior to stereotactic radiosurgery. *J Clin Neurosci*. 2015 Oct;22(10):1643-9. doi: 10.1016/j.jocn.2015.03.046. Epub 2015 Jul 14. PubMed PMID: 26186966.

518: Bailes JE, Turner RC, Lucke-Wold BP, Patel V, Lee JM. Chronic Traumatic Encephalopathy: Is It Real? The Relationship Between Neurotrauma and Neurodegeneration. *Neurosurgery*. 2015 Aug;62 Suppl 1:15-24. doi: 10.1227/NEU.0000000000000811. PubMed PMID: 26181916.

519: Thomas BT, Blalock DW, Levy WB. Adaptive Synaptogenesis Constructs Neural Codes That Benefit Discrimination. *PLoS Comput Biol*. 2015 Jul 15;11(7):e1004299. doi: 10.1371/journal.pcbi.1004299. eCollection 2015 Jul. PubMed PMID: 26176744; PubMed Central PMCID: PMC4503424.

520: Ding D, Przybylowski CJ, Starke RM, Sterling Street R, Tyree AE, Webster Crowley R, Liu KC. A minimally invasive anterior skull base approach for evacuation of a basal ganglia hemorrhage. *J Clin Neurosci*. 2015 Nov;22(11):1816-9. doi: 10.1016/j.jocn.2015.03.052. Epub 2015 Jun 30. PubMed PMID: 26142050.

521: Rossmeisl JH Jr, Garcia PA, Pancotto TE, Robertson JL, Henao-Guerrero N, Neal RE 2nd, Ellis TL, Davalos RV. Safety and feasibility of the NanoKnife system for irreversible electroporation ablative treatment of canine spontaneous intracranial gliomas. *J Neurosurg*. 2015 Oct;123(4):1008-25. doi: 10.3171/2014.12.JNS141768. Epub 2015 Jul 3. PubMed PMID: 26140483.

522: Whitmore RG, Curran JN, Ali ZS, Mummaneni PV, Shaffrey CI, Heary RF, Kaiser MG, Asher AL, Malhotra NR, Cheng JS, Hurlbert J, Smith JS, Magge SN, Steinmetz MP, Resnick DK, Ghogawala Z. Predictive value of 3-month lumbar discectomy outcomes in the NeuroPoint-SD Registry. *J Neurosurg Spine*. 2015 Oct;23(4):459-66. doi: 10.3171/2015.1.SPINE14890. Epub 2015 Jul 3. PubMed PMID: 26140406.

523: Goodson WH 3rd, Lowe L, Carpenter DO, Gilbertson M, Manaf Ali A, Lopez de Cerain Salsamendi A, Lasfar A, Carnero A, Azqueta A, Amedei A, Charles AK, Collins AR, Ward A, Salzberg AC, Colacci A, Olsen AK, Berg A, Barclay BJ, Zhou BP, Blanco-Aparicio C, Baglole CJ, Dong C, Mondello C, Hsu CW, Naus CC, Yedjou C, Curran CS, Laird DW, Koch DC, Carlin DJ, Felsher DW, Roy D, Brown DG, Ratovitski E, Ryan EP, Corsini E, Rojas E, Moon EY, Laconi E, Marongiu F, Al-Mulla F, Chiaradonna F, Darroudi F, Martin FL, Van Schooten FJ, Goldberg GS, Wagemaker G, Nangami GN, Calaf GM, Williams G, Wolf GT, Koppen G, Brunborg G, Lysterly HK, Krishnan H, Ab Hamid H, Yasaei H, Sone H, Kondoh H, Salem HK, Hsu HY, Park HH, Koturbash I, Miousse IR, Scovassi AI, Klaunig JE, Vondráček J, Raju J, Roman J, Wise JP Sr, Whitfield JR, Woodrick J, Christopher JA, Ochieng J, Martinez-Leal JF, Weisz J, Kravchenko J, Sun J, Prudhomme KR, Narayanan KB, Cohen-Solal KA, Moorwood K, Gonzalez L, Soucek L, Jian L, D'Abronzio LS, Lin LT, Li L, Gulliver L, McCawley LJ, Memeo L, Vermeulen L, Leyns L, Zhang L, Valverde M, Khatami M, Romano MF, Chapellier M, Williams MA, Wade M, Manjili MH, Leonart ME, Xia M, Gonzalez MJ, Karamouzis MV, Kirsch-Volders M, Vaccari M, Kuemmerle NB, Singh N, Cruickshanks N, Kleinstreuer N, van Larebeke N, Ahmed N, Ogunkua O, Krishnakumar PK, Vadgama P, Marignani PA, Ghosh PM, Ostrosky-Wegman P, Thompson PA, Dent P, Heneberg P, Darbre P, Sing Leung P, Nangia-Makker P, Cheng QS, Robey RB, Al-Temaimi R, Roy R, Andrade-Vieira R, Sinha RK, Mehta R, Vento R, Di Fiore R, Ponce-Cusi R, Dornetshuber-Fleiss R, Nahta R, Castellino RC, Palorini R, Abd Hamid R, Langie SA, Eltom SE, Brooks SA, Ryeom S, Wise SS, Bay SN, Harris SA, Papagerakis S, Romano S, Pavanello S, Eriksson S, Forte S, Casey SC, Luanpitpong S, Lee TJ, Otsuki T, Chen T, Massfelder T, Sanderson T, Guarnieri T, Hultman T, Dormoy V, Otero-Marah V, Sabbisetti V, Maguer-Satta V, Rathmell WK, Engström W, Decker WK, Bisson WH, Rojanasakul Y, Luqmani Y, Chen Z, Hu Z. Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. *Carcinogenesis*. 2015 Jun;36 Suppl 1:S254-96. doi: 10.1093/carcin/bgv039. Review. Erratum in: *Carcinogenesis*. 2016 Mar;37(3):344. PubMed PMID: 26106142; PubMed Central PMCID: PMC4480130.

524: Nahta R, Al-Mulla F, Al-Temaimi R, Amedei A, Andrade-Vieira R, Bay SN, Brown DG, Calaf GM, Castellino RC, Cohen-Solal KA, Colacci A, Cruickshanks N, Dent P, Di Fiore R, Forte S, Goldberg GS, Hamid RA, Krishnan H, Laird DW, Lasfar A, Marignani PA, Memeo L, Mondello C, Naus CC, Ponce-Cusi R, Raju J, Roy D, Roy R, Ryan EP, Salem HK, Scovassi AI, Singh N, Vaccari M, Vento R, Vondráček J, Wade M, Woodrick J, Bisson WH. Mechanisms of environmental chemicals that enable the cancer hallmark of evasion of growth suppression. *Carcinogenesis*. 2015 Jun;36 Suppl 1:S2-18. doi: 10.1093/carcin/bgv028. Review. PubMed PMID: 26106139; PubMed Central PMCID: PMC4565608.

525: Fakurnejad S, Scheer JK, Lafage V, Smith JS, Deviren V, Hostin R, Mundis GM Jr, Burton DC, Klineberg E, Gupta M, Kebaish K, Shaffrey CI, Bess S, Schwab F, Ames CP; International Spine Study Group. The likelihood of reaching minimum clinically important difference and substantial clinical benefit at 2 years following a 3-column osteotomy: analysis of 140 patients. *J Neurosurg Spine*. 2015 Sep;23(3):340-8. doi: 10.3171/2014.12.SPINE141031. Epub 2015 Jun 19. PubMed PMID: 26091440.

526: Lin NU, Lee EQ, Aoyama H, Barani IJ, Barboriak DP, Baumert BG, Bendszus M, Brown PD, Camidge DR, Chang SM, Dancey J, de Vries EG, Gaspar LE, Harris GJ, Hodi FS, Kalkanis SN, Linskey ME, Macdonald DR, Margolin K, Mehta MP, Schiff D, Soffiatti R, Suh JH, van den Bent MJ, Vogelbaum MA, Wen PY; Response Assessment in Neuro-Oncology (RANO) group. Response assessment criteria for brain metastases: proposal from the RANO group. *Lancet Oncol*. 2015 Jun;16(6):e270-8. doi: 10.1016/S1470-2045(15)70057-4. Epub 2015 May 27. Review. PubMed PMID: 26065612.

527: Lin CH, Hsu KH, Chang SN, Tsou HK, Sheehan J, Sheu ML, Pan HC. Increased survival with the combination of stereotactic radiosurgery and gefitinib for non-small cell lung cancer brain metastasis patients: a nationwide study in Taiwan. *Radiat Oncol*. 2015 Jun 6;10:127. doi:

10.1186/s13014-015-0431-7. PubMed PMID: 26048754; PubMed Central PMCID: PMC4490645.

528: Louveau A, Smirnov I, Keyes TJ, Eccles JD, Rouhani SJ, Peske JD, Derecki NC, Castle D, Mandell JW, Lee KS, Harris TH, Kipnis J. Structural and functional features of central nervous system lymphatic vessels. *Nature*. 2015 Jul 16;523(7560):337-41. doi: 10.1038/nature14432. Epub 2015 Jun 1. Erratum in: *Nature*. 2016 May 12;533(7602):278. PubMed PMID: 26030524; PubMed Central PMCID: PMC4506234.

529: Ding D, Quigg M, Starke RM, Yen CP, Przybylowski CJ, Dodson BK, Sheehan JP. Cerebral Arteriovenous Malformations and Epilepsy, Part 2: Predictors of Seizure Outcomes Following Radiosurgery. *World Neurosurg*. 2015 Sep;84(3):653-62. doi: 10.1016/j.wneu.2015.04.064. Epub 2015 May 28. PubMed PMID: 26026628.

530: Kim CH, Hu W, Gao J, Dragan K, Whealton T, Julian C. Cryoablation for the treatment of occipital neuralgia. *Pain Physician*. 2015 May-Jun;18(3):E363-8. PubMed PMID: 26000683.

531: King-Stephens D, Mirro E, Weber PB, Laxer KD, Van Ness PC, Salanova V, Spencer DC, Heck CN, Goldman A, Jobst B, Shields DC, Bergey GK, Eisenschenk S, Worrell GA, Rossi MA, Gross RE, Cole AJ, Sperling MR, Nair DR, Gwinn RP, Park YD, Rutecki PA, Fountain NB, Wharen RE, Hirsch LJ, Miller IO, Barkley GL, Edwards JC, Geller EB, Berg MJ, Sadler TL, Sun FT, Morrell MJ. Lateralization of mesial temporal lobe epilepsy with chronic ambulatory electrocorticography. *Epilepsia*. 2015 Jun;56(6):959-67. doi: 10.1111/epi.13010. Epub 2015 May 19. PubMed PMID: 25988840; PubMed Central PMCID: PMC4676303.

532: Debette S, Compter A, Labeyrie MA, Uyttenboogaart M, Metso TM, Majersik JJ, Goeggel-Simonetti B, Engelter ST, Pezzini A, Bijlenga P, Southerland AM, Naggara O, Béjot Y, Cole JW, Ducros A, Giacalone G, Schilling S, Reiner P, Sarikaya H, Welleweerd JC, Kappelle LJ, de Borst GJ, Bonati LH, Jung S, Thijs V, Martin JJ, Brandt T, Grond-Ginsbach C, Kloss M, Mizutani T, Minematsu K, Meschia JF, Pereira VM, Bersano A, Touzé E, Lyrer PA, Leys D, Chabriat H, Markus HS, Worrall BB, Chabrier S, Baumgartner R, Stapf C, Tatlisumak T, Arnold M, Boussier MG. Epidemiology, pathophysiology, diagnosis, and management of intracranial artery dissection. *Lancet Neurol*. 2015 Jun;14(6):640-54. doi: 10.1016/S1474-4422(15)00009-5. Review. PubMed PMID: 25987283.

533: Starke RM, Komotar RJ, Ahmad F, Connolly ES. Long-term Outcomes of the International Randomized Clinical Trial of Stenting Versus Endarterectomy for Symptomatic Carotid Artery Stenosis. *Neurosurgery*. 2015 Jun;76(6):N13-5. doi: 10.1227/01.neu.0000465853.78705.15. PubMed PMID: 25985002.

534: White WB, Galis ZS, Henegar J, Kandzari DE, Victor R, Sica D, Townsend RR, Turner JR, Virmani R, Mauri L. Renal denervation therapy for hypertension: pathways for moving development forward. *J Am Soc Hypertens*. 2015 May;9(5):341-50. doi: 10.1016/j.jash.2015.02.012. Review. PubMed PMID: 25979410.

535: Protopsaltis TS, Scheer JK, Terran JS, Smith JS, Hamilton DK, Kim HJ, Mundis GM Jr, Hart RA, McCarthy IM, Klineberg E, Lafage V, Bess S, Schwab F, Shaffrey CI, Ames CP; International Spine Study Group. How the neck affects the back: changes in regional cervical sagittal alignment correlate to HRQOL improvement in adult thoracolumbar deformity patients at 2-year follow-up. *J Neurosurg Spine*. 2015 Aug;23(2):153-8. doi: 10.3171/2014.11.SPINE1441. Epub 2015 May 15. PubMed PMID: 25978077.

536: Sippel TR, Shimizu T, Strnad F, Traystman RJ, Herson PS, Waziri A. Arginase I release from activated neutrophils induces peripheral immunosuppression in a murine model of stroke. *J Cereb*

Blood Flow Metab. 2015 Oct;35(10):1657-63. doi: 10.1038/jcbfm.2015.103. Epub 2015 May 13. PubMed PMID: 25966956; PubMed Central PMCID: PMC4640306.

537: Maass PG, Aydin A, Luft FC, Schächterle C, Weise A, Stricker S, Lindschau C, Vaegler M, Qadri F, Toka HR, Schulz H, Krawitz PM, Parkhomchuk D, Hecht J, Hollfanger I, Wefeld-Neuenfeld Y, Bartels-Klein E, Mühl A, Kann M, Schuster H, Chitayat D, Bialer MG, Wienker TF, Ott J, Rittscher K, Liehr T, Jordan J, Plessis G, Tank J, Mai K, Naraghi R, Hodge R, Hopp M, Hattenbach LO, Busjahn A, Rauch A, Vandeput F, Gong M, Rüschendorf F, Hübner N, Haller H, Mundlos S, Bilginturan N, Movsesian MA, Klusmann E, Toka O, Bähring S. PDE3A mutations cause autosomal dominant hypertension with brachydactyly. Nat Genet. 2015 Jun;47(6):647-53. doi: 10.1038/ng.3302. Epub 2015 May 11. PubMed PMID: 25961942.

538: Lucke-Wold BP, Smith KE, Nguyen L, Turner RC, Logsdon AF, Jackson GJ, Huber JD, Rosen CL, Miller DB. Sleep disruption and the sequelae associated with traumatic brain injury. Neurosci Biobehav Rev. 2015 Aug;55:68-77. doi: 10.1016/j.neubiorev.2015.04.010. Epub 2015 May 6. Review. PubMed PMID: 25956251; PubMed Central PMCID: PMC4721255.

539: Patterson EE, Leppik IE, Coles LD, Podell M, Vite CH, Bush W, Cloyd JC. Canine status epilepticus treated with fosphenytoin: A proof of principle study. Epilepsia. 2015 Jun;56(6):882-7. doi: 10.1111/epi.12994. Epub 2015 May 7. PubMed PMID: 25953073; PubMed Central PMCID: PMC4457548.

540: Saigal R, Clark AJ, Scheer JK, Smith JS, Bess S, Mummaneni PV, McCarthy IM, Hart RA, Kebaish KM, Klineberg EO, Deviren V, Schwab F, Shaffrey CI, Ames CP. Adult Spinal Deformity Patients Recall Fewer Than 50% of the Risks Discussed in the Informed Consent Process Preoperatively and the Recall Rate Worsens Significantly in the Postoperative Period. Spine (Phila Pa 1976). 2015 Jul 15;40(14):1079-85. doi: 10.1097/BRS.0000000000000964. PubMed PMID: 25946720.

541: Chen CJ, Cheng FC, Su HL, Sheu ML, Lu ZH, Chiang CY, Yang DY, Sheehan J, Pan HC. Improved neurological outcome by intramuscular injection of human amniotic fluid derived stem cells in a muscle denervation model. PLoS One. 2015 May 6;10(5):e0124624. doi: 10.1371/journal.pone.0124624. eCollection 2015. PubMed PMID: 25945496; PubMed Central PMCID: PMC4422615.

542: Sciubba DM, Scheer JK, Smith JS, Lafage V, Klineberg E, Gupta M, Mundis GM, Protopsaltis TS, Kim HJ, Hiratzka JR, Koski T, Shaffrey CI, Bess S, Hart RA, Ames CP; International Spine Study Group (ISSG). Which daily functions are most affected by stiffness following total lumbar fusion: comparison of upper thoracic and thoracolumbar proximal endpoints. Spine (Phila Pa 1976). 2015 Sep 1;40(17):1338-44. doi: 10.1097/BRS.0000000000000968. PubMed PMID: 25943083.

543: Pang C, Cao L, Wu F, Wang L, Wang G, Yu Y, Zhang M, Chen L, Wang W, Lv W, Chen L, Zhu J, Pan J, Zhang H, Xu Y, Ding L. The effect of trans-resveratrol on post-stroke depression via regulation of hypothalamus-pituitary-adrenal axis. Neuropharmacology. 2015 Oct;97:447-56. doi: 10.1016/j.neuropharm.2015.04.017. Epub 2015 Apr 29. PubMed PMID: 25937213.

544: Awad AJ, Walcott BP, Stapleton CJ, Ding D, Leed CC, Loeffler JS. Repeat radiosurgery for cerebral arteriovenous malformations. J Clin Neurosci. 2015 Jun;22(6):945-950. doi: 10.1016/j.jocn.2015.01.015. Epub 2015 Apr 23. Review. PubMed PMID: 25913746; PubMed Central PMCID: PMC4420649.

545: Passias PG, Soroceanu A, Smith J, Boniello A, Yang S, Scheer JK, Schwab F, Shaffrey C, Kim HJ,

Protopsaltis T, Mundis G, Gupta M, Klineberg E, Lafage V, Ames C; International Spine Study Group. Postoperative cervical deformity in 215 thoracolumbar patients with adult spinal deformity: prevalence, risk factors, and impact on patient-reported outcome and satisfaction at 2-year follow-up. *Spine (Phila Pa 1976)*. 2015 Mar 1;40(5):283-91. doi: 10.1097/BRS.0000000000000746. PubMed PMID: 25901975.

546: Torchia J, Picard D, Lafay-Cousin L, Hawkins CE, Kim SK, Letourneau L, Ra YS, Ho KC, Chan TS, Sin-Chan P, Dunham CP, Yip S, Ng HK, Lu JQ, Albrecht S, Pimentel J, Chan JA, Somers GR, Zielenska M, Faria CC, Roque L, Baskin B, Birks D, Foreman N, Strother D, Klekner A, Garami M, Hauser P, Hortobágyi T, Bognár L, Wilson B, Hukin J, Carret AS, Van Meter TE, Nakamura H, Toledano H, Fried I, Fults D, Wataya T, Fryer C, Eisenstat DD, Scheineman K, Johnston D, Michaud J, Zelcer S, Hammond R, Ramsay DA, Fleming AJ, Lulla RR, Fangusaro JR, Sirachainan N, Larbcharoensub N, Hongeng S, Barakzai MA, Montpetit A, Stephens D, Grundy RG, Schüller U, Nicolaides T, Tihan T, Phillips J, Taylor MD, Rutka JT, Dirks P, Bader GD, Warmuth-Metz M, Rutkowski S, Pietsch T, Judkins AR, Jabado N, Bouffet E, Huang A. Molecular subgroups of atypical teratoid rhabdoid tumours in children: an integrated genomic and clinicopathological analysis. *Lancet Oncol*. 2015 May;16(5):569-82. doi: 10.1016/S1470-2045(15)70114-2. Epub 2015 Apr 14. PubMed PMID: 25882982.

547: Chiao D, Ksendzovsky A, Buell T, Sheehan J, Newman S, Wintermark M. Intraventricular migration of silicone oil: A mimic of traumatic and neoplastic pathology. *J Clin Neurosci*. 2015 Jul;22(7):1205-7. doi: 10.1016/j.jocn.2015.02.003. Epub 2015 Apr 8. PubMed PMID: 25863996.

548: Passias PG, Soroceanu A, Scheer J, Yang S, Boniello A, Smith JS, Protopsaltis T, Kim HJ, Schwab F, Gupta M, Klineberg E, Mundis G, Lafage R, Hart R, Shaffrey C, Lafage V, Ames C; International Spine Study Group. Magnitude of preoperative cervical lordotic compensation and C2-T3 angle are correlated to increased risk of postoperative sagittal spinal pelvic malalignment in adult thoracolumbar deformity patients at 2-year follow-up. *Spine J*. 2015 Aug 1;15(8):1756-63. doi: 10.1016/j.spinee.2015.04.007. Epub 2015 Apr 8. PubMed PMID: 25862507.

549: Elder GA, Gama Sosa MA, De Gasperi R, Stone JR, Dickstein DL, Haghighi F, Hof PR, Ahlers ST. Vascular and inflammatory factors in the pathophysiology of blast-induced brain injury. *Front Neurol*. 2015 Mar 16;6:48. doi: 10.3389/fneur.2015.00048. eCollection 2015. Review. PubMed PMID: 25852632; PubMed Central PMCID: PMC4360816.

550: Lee CC, Reardon MA, Ball BZ, Chen CJ, Yen CP, Xu Z, Wintermark M, Sheehan J. The predictive value of magnetic resonance imaging in evaluating intracranial arteriovenous malformation obliteration after stereotactic radiosurgery. *J Neurosurg*. 2015 Jul;123(1):136-44. doi: 10.3171/2014.10.JNS141565. Epub 2015 Apr 3. PubMed PMID: 25839923.

551: Oh T, Scheer JK, Eastlack R, Smith JS, Lafage V, Protopsaltis TS, Klineberg E, Passias PG, Deviren V, Hostin R, Gupta M, Bess S, Schwab F, Shaffrey CI, Ames CP; International Spine Study Group. Cervical compensatory alignment changes following correction of adult thoracic deformity: a multicenter experience in 57 patients with a 2-year follow-up. *J Neurosurg Spine*. 2015 Jun;22(6):658-65. doi: 10.3171/2014.10.SPINE14829. Epub 2015 Mar 20. PubMed PMID: 25793468.

552: Haider AH, Schneider EB, Sriram N, Dossick DS, Scott VK, Swoboda SM, Losonczy L, Haut ER, Efron DT, Pronovost PJ, Lipsett PA, Cornwell EE 3rd, MacKenzie EJ, Cooper LA, Freischlag JA. Unconscious race and social class bias among acute care surgical clinicians and clinical treatment decisions. *JAMA Surg*. 2015 May;150(5):457-64. doi: 10.1001/jamasurg.2014.4038. PubMed PMID: 25786199.

553: Starke RM, Connolly ES, Komotar RJ. A multicenter randomized clinical trial of endovascular

treatment for acute ischemic stroke caused by proximal arterial occlusion in the anterior circulation. *Neurosurgery*. 2015 Apr;76(4):N19-21. doi: 10.1227/01.neu.0000462698.30888.af. PubMed PMID: 25784012.

554: Pellock JM, Wheless JW, Douglass LM. In response: Lennox-Gastaut syndrome may be a curable, reversible epileptic encephalopathy. *Epilepsia*. 2015 Mar;56(3):500-1. doi: 10.1111/epi.12915. PubMed PMID: 25778756.

555: Yanni DS, Halim AY, Alexandru D. Odontoid pseudotumor and serial postfusion radiographic evaluation in a patient with a C1-2 mass. *J Neurosurg Spine*. 2015 Jun;22(6):605-10. doi: 10.3171/2014.10.SPINE13987. Epub 2015 Mar 13. Review. PubMed PMID: 25768667.

556: Jayaraman MV, Hussain MS, Abruzzo T, Albani B, Albuquerque FC, Alexander MJ, Ansari SA, Arthur AS, Baxter B, Bulsara KR, Chen M, Delgado Almandoz JE, Fraser JF, Heck DV, Hetts SW, Kelly M, Lee SK, Leslie-Mawzi T, McTaggart RA, Meyers PM, Prestigiacomo C, Pride GL, Patsalides A, Starke RM, Tarr RW, Frei D, Rasmussen P; Standards and Guidelines Committee of the Society of NeuroInterventional Surgery. Embolectomy for stroke with emergent large vessel occlusion (ELVO): report of the Standards and Guidelines Committee of the Society of NeuroInterventional Surgery. *J Neurointerv Surg*. 2015 May;7(5):316-21. doi: 10.1136/neurintsurg-2015-011717. Epub 2015 Mar 12. Erratum in: *J Neurointerv Surg*. 2015 Aug;7(8):622. Delgado-Almandoz, Jossier A [corrected to Delgado Almandoz, Jossier E]. PubMed PMID: 25765949.

557: Davies SW, Leonard KL, Falls RK Jr, Mageau RP, Efird JT, Hollowell JP, Trainor WE 2nd, Kanaan HA, Hickner RC, Sawyer RG, Poulin NR, Waibel BH, Toschlog EA. Lung protective ventilation (ARDSNet) versus airway pressure release ventilation: ventilatory management in a combined model of acute lung and brain injury. *J Trauma Acute Care Surg*. 2015 Feb;78(2):240-9; discussion 249-51. doi: 10.1097/TA.0000000000000518. Erratum in: *J Trauma Acute Care Surg*. 2015 Apr;78(4):892. PubMed PMID: 25757107; PubMed Central PMCID: PMC4356024.

558: Ding D, Starke RM, Quigg M, Yen CP, Przybylowski CJ, Dodson BK, Sheehan JP. Cerebral Arteriovenous Malformations and Epilepsy, Part 1: Predictors of Seizure Presentation. *World Neurosurg*. 2015 Sep;84(3):645-52. doi: 10.1016/j.wneu.2015.02.039. Epub 2015 Mar 6. PubMed PMID: 25753234.

559: Simões EA, DeVincenzo JP, Boeckh M, Bont L, Crowe JE Jr, Griffiths P, Hayden FG, Hodinka RL, Smyth RL, Spencer K, Thirstrup S, Walsh EE, Whitley RJ. Challenges and opportunities in developing respiratory syncytial virus therapeutics. *J Infect Dis*. 2015 Mar 15;211 Suppl 1:S1-S20. doi: 10.1093/infdis/jiu828. PubMed PMID: 25713060; PubMed Central PMCID: PMC4345819.

560: Tang JA, Scheer JK, Smith JS, Deviren V, Bess S, Hart RA, Lafage V, Shaffrey CI, Schwab F, Ames CP; ISSG. The impact of standing regional cervical sagittal alignment on outcomes in posterior cervical fusion surgery. *Neurosurgery*. 2015 Mar;76 Suppl 1:S14-21; discussion S21. doi: 10.1227/01.neu.0000462074.66077.2b. PubMed PMID: 25692364.

561: Stone DJ, Celi LA, Csete M. Engineering control into medicine. *J Crit Care*. 2015 Jun;30(3):652.e1-7. doi: 10.1016/j.jcrc.2015.01.019. Epub 2015 Jan 30. Review. PubMed PMID: 25680579; PubMed Central PMCID: PMC4414787.

562: Huang YF, Cherg YG, Hsu SP, Yeh CC, Chou YC, Wu CH, Chen TL, Liao CC. Risk and adverse outcomes of fractures in patients with Parkinson's disease: two nationwide studies. *Osteoporos Int*. 2015 Jun;26(6):1723-32. doi: 10.1007/s00198-015-3052-y. Epub 2015 Feb 12. PubMed PMID:

25672807.

563: Lei J, Wang L, Gao G, Cooper E, Jiang J. Right Median Nerve Electrical Stimulation for Acute Traumatic Coma Patients. *J Neurotrauma*. 2015 Oct 15;32(20):1584-9. doi: 10.1089/neu.2014.3768. Epub 2015 May 7. PubMed PMID: 25664378.

564: Lee CC, Chen CJ, Ball B, Schlesinger D, Xu Z, Yen CP, Sheehan J. Stereotactic radiosurgery for arteriovenous malformations after Onyx embolization: a case-control study. *J Neurosurg*. 2015 Jul;123(1):126-35. doi: 10.3171/2014.12.JNS141437. Epub 2015 Feb 6. PubMed PMID: 25658780.

565: Zdilla MJ, Cyrus LM, Lambert HW. Carotico-clinoid foramina and a double optic canal: A case report with neurosurgical implications. *Surg Neurol Int*. 2015 Jan 30;6:13. doi: 10.4103/2152-7806.150456. eCollection 2015. PubMed PMID: 25657866; PubMed Central PMCID: PMC4314831.

566: Scheer JK, Mundis GM, Klineberg E, Hart RA, Deviren V, Burton DC, Protopsaltis TS, Gupta M, Rolston JD, Bess S, Shaffrey CI, Schwab F, Lafage V, Smith JS, Ames CP; International Spine Study Group (ISSG). Recovery following adult spinal deformity surgery: the effect of complications and reoperation in 149 patients with 2-year follow-up. *Eur Spine J*. 2016 Aug;25(8):2612-21. doi: 10.1007/s00586-015-3787-3. Epub 2015 Feb 6. PubMed PMID: 25657105.

567: Sciubba DM, Scheer JK, Yurter A, Smith JS, Lafage V, Klineberg E, Gupta M, Eastlack R, Mundis GM, Protopsaltis TS, Blaskiewicz D, Kim HJ, Koski T, Kebaish K, Shaffrey CI, Bess S, Hart RA, Schwab F, Ames CP; International Spine Study Group (ISSG). Patients with spinal deformity over the age of 75: a retrospective analysis of operative versus non-operative management. *Eur Spine J*. 2016 Aug;25(8):2433-41. doi: 10.1007/s00586-015-3759-7. Epub 2015 Feb 6. PubMed PMID: 25657104.

568: Daffner SD, Sedney CL, Rosen CL. Migratory intradural disk herniation and a strategy for intraoperative localization. *Global Spine J*. 2015 Feb;5(1):55-8. doi: 10.1055/s-0034-1381728. Epub 2014 Jul 24. PubMed PMID: 25648315; PubMed Central PMCID: PMC4303482.

569: Mouchtouris N, Chalouhi N, Chitale A, Starke RM, Tjoumakaris SI, Rosenwasser RH, Jabbour PM. Management of cerebral cavernous malformations: from diagnosis to treatment. *ScientificWorldJournal*. 2015;2015:808314. doi: 10.1155/2015/808314. Epub 2015 Jan 5. Review. PubMed PMID: 25629087; PubMed Central PMCID: PMC4300037.

570: Herman ST, Abend NS, Bleck TP, Chapman KE, Drislane FW, Emerson RG, Gerard EE, Hahn CD, Husain AM, Kaplan PW, LaRoche SM, Nuwer MR, Quigg M, Riviello JJ, Schmitt SE, Simmons LA, Tsuchida TN, Hirsch LJ; Critical Care Continuous EEG Task Force of the American Clinical Neurophysiology Society. Consensus statement on continuous EEG in critically ill adults and children, part I: indications. *J Clin Neurophysiol*. 2015 Apr;32(2):87-95. doi: 10.1097/WNP.0000000000000166. PubMed PMID: 25626778; PubMed Central PMCID: PMC4435533.

571: Herman ST, Abend NS, Bleck TP, Chapman KE, Drislane FW, Emerson RG, Gerard EE, Hahn CD, Husain AM, Kaplan PW, LaRoche SM, Nuwer MR, Quigg M, Riviello JJ, Schmitt SE, Simmons LA, Tsuchida TN, Hirsch LJ; Critical Care Continuous EEG Task Force of the American Clinical Neurophysiology Society. Consensus statement on continuous EEG in critically ill adults and children, part II: personnel, technical specifications, and clinical practice. *J Clin Neurophysiol*. 2015 Apr;32(2):96-108. doi: 10.1097/WNP.0000000000000165. PubMed PMID: 25626777; PubMed Central PMCID: PMC4434600.

572: Soeda A, Hara A, Kunisada T, Yoshimura S, Iwama T, Park DM. The evidence of glioblastoma heterogeneity. *Sci Rep*. 2015 Jan 27;5:7979. doi: 10.1038/srep07979. Erratum in: *Sci Rep*.

2015;5:9630. PubMed PMID: 25623281; PubMed Central PMCID: PMC4306917.

573: Starke RM, Komotar RJ, Connolly ES. Long-term follow-up of the International Subarachnoid-Hemorrhage Aneurysm Trial. *Neurosurgery*. 2015 Feb;76(2):N17-9. doi: 10.1227/01.neu.0000460596.78556.ab. PubMed PMID: 25594201.

574: Elder GA, Stone JR, Ahlers ST. Effects of low-level blast exposure on the nervous system: is there really a controversy? *Front Neurol*. 2014 Dec 19;5:269. doi: 10.3389/fneur.2014.00269. eCollection 2014. Review. PubMed PMID: 25566175; PubMed Central PMCID: PMC4271615.

575: Arndt DH, Goodkin HP, Giza CC. Early Posttraumatic Seizures in the Pediatric Population. *J Child Neurol*. 2016 Jan;31(1):46-56. doi: 10.1177/0883073814562249. Epub 2015 Jan 6. Review. PubMed PMID: 25564481.

576: Crawford CH 3rd, Ledonio CG, Bess RS, Buchowski JM, Burton DC, Hu SS, Lonner BS, Polly DW, Smith JS, Sanders JO. Current Evidence Regarding the Surgical and Nonsurgical Treatment of Pediatric Lumbar Spondylolysis: A Report from the Scoliosis Research Society Evidence-Based Medicine Committee. *Spine Deform*. 2015 Jan;3(1):30-44. doi: 10.1016/j.jspd.2014.06.004. Epub 2014 Dec 18. PubMed PMID: 27927449.

577: Crawford CH 3rd, Ledonio CG, Bess RS, Buchowski JM, Burton DC, Hu SS, Lonner BS, Polly DW, Smith JS, Sanders JO. Current Evidence Regarding the Etiology, Prevalence, Natural History, and Prognosis of Pediatric Lumbar Spondylolysis: A Report from the Scoliosis Research Society Evidence-Based Medicine Committee. *Spine Deform*. 2015 Jan;3(1):12-29. doi: 10.1016/j.jspd.2014.06.005. Epub 2014 Dec 18. PubMed PMID: 27927448.

578: Bonasso P, Lucke-Wold B 3rd, Reed Z, Bozek J, Cottrell S. Investigating the Impact of Preparation Strategies on USMLE Step 1 Performance. *MedEdPublish*. 2015;4(1). pii: 5. Epub 2015 Nov 2. PubMed PMID: 27500163; PubMed Central PMCID: PMC4975378.

579: Logsdon AF, Turner RC, Lucke-Wold BP, Robson MJ, Naser ZJ, Smith KE, Matsumoto RR, Huber JD, Rosen CL. Altering endoplasmic reticulum stress in a model of blast-induced traumatic brain injury controls cellular fate and ameliorates neuropsychiatric symptoms. *Front Cell Neurosci*. 2014 Dec 10;8:421. doi: 10.3389/fncel.2014.00421. eCollection 2014. PubMed PMID: 25540611; PubMed Central PMCID: PMC4261829.

580: Mocco J, Fiorella D, Fargen KM, Albuquerque F, Chen M, Gupta R, Hirsch JA, Linfante I, Mack W, Rai AT, Tarr RW. Endovascular therapy for acute ischemic stroke is indicated and evidence based: a position statement. *J Neurointerv Surg*. 2015 Feb;7(2):79-81. doi: 10.1136/neurintsurg-2014-011591. Epub 2014 Dec 18. Review. PubMed PMID: 25523788.

581: Lu J, Gary KW, Copolillo A, Ward J, Niemeier JP, Lapane KL. Randomized controlled trials in adult traumatic brain injury: a review of compliance to CONSORT statement. *Arch Phys Med Rehabil*. 2015 Apr;96(4):702-14. doi: 10.1016/j.apmr.2014.10.026. Epub 2014 Dec 9. Review. PubMed PMID: 25497515.

582: Skolnick BE, Maas AI, Narayan RK, van der Hoop RG, MacAllister T, Ward JD, Nelson NR, Stocchetti N; SYNAPSE Trial Investigators. A clinical trial of progesterone for severe traumatic brain injury. *N Engl J Med*. 2014 Dec 25;371(26):2467-76. doi: 10.1056/NEJMoa1411090. Epub 2014 Dec 10. PubMed PMID: 25493978.

- 583: Majersik JJ, Cole JW, Golledge J, Rost NS, Chan YF, Gurol ME, Lindgren AG, Woo D, Fernandez-Cadenas I, Chen DT, Thijs V, Worrall BB, Kamal A, Bentley P, Wardlaw JM, Ruigrok YM, Battey TW, Schmidt R, Montaner J, Giese AK, Roquer J, Jiménez-Conde J, Lee C, Ay H, Martin JJ, Rosand J, Maguire J; International Stroke Genetics Consortium. Recommendations from the international stroke genetics consortium, part 1: standardized phenotypic data collection. *Stroke*. 2015 Jan;46(1):279-84. doi: 10.1161/STROKEAHA.114.006839. Epub 2014 Dec 9. PubMed PMID: 25492903; PubMed Central PMCID: PMC4465378.
- 584: Daniels AH, Ames CP, Smith JS, Hart RA. Variability in spine surgery procedures performed during orthopaedic and neurological surgery residency training: an analysis of ACGME case log data. *J Bone Joint Surg Am*. 2014 Dec 3;96(23):e196. doi: 10.2106/JBJS.M.01562. PubMed PMID: 25471922.
- 585: Rosenfeld W, Fountain NB, Kaubrys G, Ben-Menachem E, McShea C, Isojarvi J, Doty P; SP615 Study Investigators. Safety and efficacy of adjunctive lacosamide among patients with partial-onset seizures in a long-term open-label extension trial of up to 8 years. *Epilepsy Behav*. 2014 Dec;41:164-70. doi: 10.1016/j.yebeh.2014.09.074. Epub 2014 Oct 27. PubMed PMID: 25461210.
- 586: Zanaty M, Chalouhi N, Starke RM, Tjoumakaris S, Hasan D, Hann S, Ajiboye N, Liu KC, Rosenwasser RH, Manasseh P, Jabbour P. Endovascular stroke intervention in the very young. *Clin Neurol Neurosurg*. 2014 Dec;127:15-8. doi: 10.1016/j.clineuro.2014.09.022. Epub 2014 Oct 5. PubMed PMID: 25459237.
- 587: Xu L, Nguyen JV, Lehar M, Menon A, Rha E, Arena J, Ryu J, Marsh-Armstrong N, Marmarou CR, Koliatsos VE. Repetitive mild traumatic brain injury with impact acceleration in the mouse: Multifocal axonopathy, neuroinflammation, and neurodegeneration in the visual system. *Exp Neurol*. 2016 Jan;275 Pt 3:436-449. doi: 10.1016/j.expneurol.2014.11.004. Epub 2014 Nov 20. PubMed PMID: 25450468.
- 588: Xu Y, Pan J, Sun J, Ding L, Ruan L, Reed M, Yu X, Klabnik J, Lin D, Li J, Chen L, Zhang C, Zhang H, O'Donnell JM. Inhibition of phosphodiesterase 2 reverses impaired cognition and neuronal remodeling caused by chronic stress. *Neurobiol Aging*. 2015 Feb;36(2):955-70. doi: 10.1016/j.neurobiolaging.2014.08.028. Epub 2014 Aug 30. PubMed PMID: 25442113; PubMed Central PMCID: PMC4315741.
- 589: Ferrara JM, Houghton DJ, Knoop C, Park MC. Management of levodopa-induced jig-like gait disorder with pallidal stimulation. *Neurol Clin Pract*. 2014 Dec;4(6):499-501. doi: 10.1212/CPJ.0000000000000054. PubMed PMID: 29443164; PubMed Central PMCID: PMC5759991.
- 590: Brockmeier S. Continuous interscalene block provided superior analgesic control through the first postoperative week after rotator cuff repair. *J Bone Joint Surg Am*. 2014 Nov 19;96(22):1924. doi: 10.2106/JBJS.9622.ebo323. PubMed PMID: 25410514.
- 591: Mouchtouris N, Jabbour PM, Starke RM, Hasan DM, Zanaty M, Theofanis T, Ding D, Tjoumakaris SI, Dumont AS, Ghobrial GM, Kung D, Rosenwasser RH, Chalouhi N. Biology of cerebral arteriovenous malformations with a focus on inflammation. *J Cereb Blood Flow Metab*. 2015 Feb;35(2):167-75. doi: 10.1038/jcbfm.2014.179. Epub 2014 Nov 19. Review. PubMed PMID: 25407267; PubMed Central PMCID: PMC4426734.
- 592: Starke RM, Komotar RJ, Connolly ES. The regulatory network of proneural glioma in tumor progression. *Neurosurgery*. 2014 Dec;75(6):N15-6. doi: 10.1227/01.neu.0000457195.86910.89. PubMed PMID: 25406622.
- 593: Zanaty M, Barros G, Chalouhi N, Starke RM, Manasseh P, Tjoumakaris SI, Shields CL, Hasan D,

Bulsara K, Rosenwasser RH, Jabbour P. Update on intra-arterial chemotherapy for retinoblastoma. *ScientificWorldJournal*. 2014;2014:869604. doi: 10.1155/2014/869604. Epub 2014 Oct 22. Review. PubMed PMID: 25405236; PubMed Central PMCID: PMC4227378.

594: Linfante I, Mack W, Chen M, Rai A, Albuquerque F, Gupta R, Hirsch JA, Mocco J, Fiorella D, Tarr R. Best articles published in 2014 in *Journal of NeuroInterventional Surgery*. *J Neurointerv Surg*. 2014 Dec;6(10):722-3. doi: 10.1136/neurintsurg-2014-011489. PubMed PMID: 25381218.

595: Castonguay AC, Zaidat OO, Novakovic R, Nguyen TN, Taqi MA, Gupta R, Sun CH, Martin C, Holloway WE, Mueller-Kronast N, E English J, Linfante I, Dabus G, Malisch TW, Marden FA, Bozorgchami H, Xavier A, Rai AT, Froehler MT, Badruddin A, Abraham MG, Janardhan V, Shaltoni H, Yoo AJ, Abou-Chebl A, Chen PR, Britz GW, Kaushal R, Nanda A, A Issa M, Nogueira RG. Influence of age on clinical and revascularization outcomes in the North American Solitaire Stent-Retriever Acute Stroke Registry. *Stroke*. 2014 Dec;45(12):3631-6. doi: 10.1161/STROKEAHA.114.006487. Epub 2014 Oct 30. PubMed PMID: 25358699.

596: Patel A, Yang JF, Hashim PW, Travieso R, Turner J, Mayes LC, Kanev P, Duncan C, Jane J Jr, Jane J Sr, Pollack I, Losee JE, Bridgett DJ, Persing JA. The impact of age at surgery on long-term neuropsychological outcomes in sagittal craniosynostosis. *Plast Reconstr Surg*. 2014 Oct;134(4):608e-17e. doi: 10.1097/PRS.0000000000000511. PubMed PMID: 25357055.

597: Guckenberger M, Mantel F, Gerszten PC, Flickinger JC, Sahgal A, Létourneau D, Grills IS, Jawad M, Fahim DK, Shin JH, Winey B, Sheehan J, Kersh R. Safety and efficacy of stereotactic body radiotherapy as primary treatment for vertebral metastases: a multi-institutional analysis. *Radiat Oncol*. 2014 Oct 16;9:226. doi: 10.1186/s13014-014-0226-2. PubMed PMID: 25319530; PubMed Central PMCID: PMC4205292.

598: Chivukula S, Tempel ZJ, Weiner GM, Gande AV, Chen CJ, Ding D, Moossy JJ. Cervical and cervicomedullary spinal cord stimulation for chronic pain: efficacy and outcomes. *Clin Neurol Neurosurg*. 2014 Dec;127:33-41. doi: 10.1016/j.clineuro.2014.09.023. Epub 2014 Oct 2. PubMed PMID: 25314370.

599: Lucke-Wold BP, Logsdon AF, Turner RC, Rosen CL, Huber JD. Aging, the metabolic syndrome, and ischemic stroke: redefining the approach for studying the blood-brain barrier in a complex neurological disease. *Adv Pharmacol*. 2014;71:411-49. doi: 10.1016/bs.apha.2014.07.001. Epub 2014 Sep 12. Review. PubMed PMID: 25307225.

600: Lucke-Wold BP, Logsdon AF, Smith KE, Turner RC, Alkon DL, Tan Z, Naser ZJ, Knotts CM, Huber JD, Rosen CL. Bryostatin-1 Restores Blood Brain Barrier Integrity following Blast-Induced Traumatic Brain Injury. *Mol Neurobiol*. 2015 Dec;52(3):1119-1134. doi: 10.1007/s12035-014-8902-7. Epub 2014 Oct 10. PubMed PMID: 25301233; PubMed Central PMCID: PMC5000781.

601: Asher AL, Speroff T, Dittus RS, Parker SL, Davies JM, Selden N, Nian H, Glassman S, Mummaneni P, Shaffrey C, Watridge C, Cheng JS, McGirt MJ. The National Neurosurgery Quality and Outcomes Database (N2QOD): a collaborative North American outcomes registry to advance value-based spine care. *Spine (Phila Pa 1976)*. 2014 Oct 15;39(22 Suppl 1):S106-16. doi: 10.1097/BRS.0000000000000579. PubMed PMID: 25299254.

602: Coffee and Caffeine Genetics Consortium, Cornelis MC, Byrne EM, Esko T, Nalls MA, Ganna A, Paynter N, Monda KL, Amin N, Fischer K, Renstrom F, Ngwa JS, Huikari V, Cavadino A, Nolte IM, Teumer A, Yu K, Marques-Vidal P, Rawal R, Manichaikul A, Wojczynski MK, Vink JM, Zhao JH, Burlutsky

G, Lahti J, Mikkilä V, Lemaitre RN, Eriksson J, Musani SK, Tanaka T, Geller F, Luan J, Hui J, Mägi R, Dimitriou M, Garcia ME, Ho WK, Wright MJ, Rose LM, Magnusson PK, Pedersen NL, Couper D, Oostra BA, Hofman A, Ikram MA, Tiemeier HW, Uitterlinden AG, van Rooij FJ, Barroso I, Johansson I, Xue L, Kaakinen M, Milani L, Power C, Snieder H, Stolk RP, Baumeister SE, Biffar R, Gu F, Bastardot F, Kutalik Z, Jacobs DR Jr, Forouhi NG, Mihailov E, Lind L, Lindgren C, Michaëlsson K, Morris A, Jensen M, Khaw KT, Luben RN, Wang JJ, Männistö S, Perälä MM, Kähönen M, Lehtimäki T, Viikari J, Mozaffarian D, Mukamal K, Psaty BM, Döring A, Heath AC, Montgomery GW, Dahmen N, Carithers T, Tucker KL, Ferrucci L, Boyd HA, Melbye M, Treur JL, Mellström D, Hottenga JJ, Prokopenko I, Tönjes A, Deloukas P, Kanoni S, Lorentzon M, Houston DK, Liu Y, Danesh J, Rasheed A, Mason MA, Zonderman AB, Franke L, Kristal BS; International Parkinson's Disease Genomics Consortium (IPDGC); North American Brain Expression Consortium (NABEC); UK Brain Expression Consortium (UKBEC), Karjalainen J, Reed DR, Westra HJ, Evans MK, Saleheen D, Harris TB, Dedoussis G, Curhan G, Stumvoll M, Beilby J, Pasquale LR, Feenstra B, Bandinelli S, Ordovas JM, Chan AT, Peters U, Ohlsson C, Gieger C, Martin NG, Waldenberger M, Siscovick DS, Raitakari O, Eriksson JG, Mitchell P, Hunter DJ, Kraft P, Rimm EB, Boomsma DI, Borecki IB, Loos RJ, Wareham NJ, Vollenweider P, Caporaso N, Grabe HJ, Neuhaus ML, Wolffenbuttel BH, Hu FB, Hyppönen E, Järvelin MR, Cupples LA, Franks PW, Ridker PM, van Duijn CM, Heiss G, Metspalu A, North KE, Ingelsson E, Nettleton JA, van Dam RM, Chasman DI. Genome-wide meta-analysis identifies six novel loci associated with habitual coffee consumption. *Mol Psychiatry*. 2015 May;20(5):647-656. doi: 10.1038/mp.2014.107. Epub 2014 Oct 7. Review. PubMed PMID: 25288136; PubMed Central PMCID: PMC4388784.

603: Protopsaltis T, Schwab F, Bronsard N, Smith JS, Klineberg E, Mundis G, Ryan DJ, Hostin R, Hart R, Burton D, Ames C, Shaffrey C, Bess S, Errico T, Lafage V; International Spine Study Group. TheT1 pelvic angle, a novel radiographic measure of global sagittal deformity, accounts for both spinal inclination and pelvic tilt and correlates with health-related quality of life. *J Bone Joint Surg Am*. 2014 Oct 1;96(19):1631-40. doi: 10.2106/JBJS.M.01459. PubMed PMID: 25274788.

604: Zivadinov R, Bastianello S, Dake MD, Ferral H, Haacke EM, Haskal ZJ, Hubbard D, Liasis N, Mandato K, Sclafani S, Siddiqui AH, Simka M, Zamboni P; International Society for Neurovascular Disease. Recommendations for multimodal noninvasive and invasive screening for detection of extracranial venous abnormalities indicative of chronic cerebrospinal venous insufficiency: a position statement of the International Society for Neurovascular Disease. *J Vasc Interv Radiol*. 2014 Nov;25(11):1785-94.e17. doi: 10.1016/j.jvir.2014.07.024. Epub 2014 Sep 23. PubMed PMID: 25255703.

605: Penas-Prado M, Hess KR, Fisch MJ, Lagrone LW, Groves MD, Levin VA, De Groot JF, Puduvalli VK, Colman H, Volas-Redd G, Giglio P, Conrad CA, Salacz ME, Floyd JD, Loghin ME, Hsu SH, Gonzalez J, Chang EL, Woo SY, Mahajan A, Aldape KD, Yung WK, Gilbert MR; MD Anderson Community Clinical Oncology Program; Brain Tumor Trials Collaborative. Randomized phase II adjuvant factorial study of dose-dense temozolomide alone and in combination with isotretinoin, celecoxib, and/or thalidomide for glioblastoma. *Neuro Oncol*. 2015 Feb;17(2):266-73. doi: 10.1093/neuonc/nou155. Epub 2014 Sep 19. PubMed PMID: 25239666; PubMed Central PMCID: PMC4288521.

606: Petraglia AL, Dashnaw ML, Turner RC, Bailes JE. Models of mild traumatic brain injury: translation of physiological and anatomic injury. *Neurosurgery*. 2014 Oct;75 Suppl 4:S34-49. doi: 10.1227/NEU.0000000000000472. Review. PubMed PMID: 25232883.

607: Starke RM, Komotar RJ, Connolly ES. Long-term outcomes of a randomized clinical trial of stenting vs aggressive medical therapy for intracranial arterial stenosis. *Neurosurgery*. 2014 Oct;75(4):N19-21. doi: 10.1227/01.neu.0000454761.45120.2a. PubMed PMID: 25232790.

608: Isaacs J, Mallu S, Yan W, Little B. Consequences of oversizing: nerve-to-nerve tube diameter

mismatch. *J Bone Joint Surg Am*. 2014 Sep 3;96(17):1461-7. doi: 10.2106/JBJS.M.01420. PubMed PMID: 25187585.

609: Ikramuddin S, Blackstone RP, Brancatisano A, Toouli J, Shah SN, Wolfe BM, Fujioka K, Maher JW, Swain J, Que FG, Morton JM, Leslie DB, Brancatisano R, Kow L, O'Rourke RW, Deveney C, Takata M, Miller CJ, Knudson MB, Tweden KS, Shikora SA, Sarr MG, Billington CJ. Effect of reversible intermittent intra-abdominal vagal nerve blockade on morbid obesity: the ReCharge randomized clinical trial. *JAMA*. 2014 Sep 3;312(9):915-22. doi: 10.1001/jama.2014.10540. Erratum in: *JAMA*. 2015 Jan 6;313(1):95. PubMed PMID: 25182100.

610: Nguyen PL, Aizer A, Assimos DG, D'Amico AV, Frank SJ, Gottschalk AR, Gustafson GS, Hsu IC, McLaughlin PW, Merrick G, Rosenthal SA, Showalter TN, Taira AV, Vapiwala N, Yamada Y, Davis BJ; American College of Radiology, Expert Panel on Radiation Oncology Prostate. ACR Appropriateness Criteria® Definitive External-Beam Irradiation in stage T1 and T2 prostate cancer. *Am J Clin Oncol*. 2014 Jun;37(3):278-88. doi: 10.1097/COC.000000000000049. Review. PubMed PMID: 25180754.

611: Celi LA, Moseley E, Moses C, Ryan P, Somai M, Stone D, Tang KO. From Pharmacovigilance to Clinical Care Optimization. *Big Data*. 2014 Sep 1;2(3):134-141. PubMed PMID: 26576325; PubMed Central PMCID: PMC4630790.

612: Mathis SE, Alberico A, Nande R, Neto W, Lawrence L, McCallister DR, Denvir J, Kimmey GA, Mogul M, Oakley G 3rd, Denning KL, Dougherty T, Valluri JV, Claudio PP. Chemo-predictive assay for targeting cancer stem-like cells in patients affected by brain tumors. *PLoS One*. 2014 Aug 21;9(8):e105710. doi: 10.1371/journal.pone.0105710. eCollection 2014. PubMed PMID: 25144312; PubMed Central PMCID: PMC4140819.

613: Lucke-Wold BP, Turner RC, Logsdon AF, Simpkins JW, Alkon DL, Smith KE, Chen YW, Tan Z, Huber JD, Rosen CL. Common mechanisms of Alzheimer's disease and ischemic stroke: the role of protein kinase C in the progression of age-related neurodegeneration. *J Alzheimers Dis*. 2015;43(3):711-24. doi: 10.3233/JAD-141422. Review. PubMed PMID: 25114088; PubMed Central PMCID: PMC4446718.

614: Hånell A, Marklund N. Structured evaluation of rodent behavioral tests used in drug discovery research. *Front Behav Neurosci*. 2014 Jul 22;8:252. doi: 10.3389/fnbeh.2014.00252. eCollection 2014. Review. PubMed PMID: 25100962; PubMed Central PMCID: PMC4106406.

615: Li N, Cruz J, Chien CS, Sojoudi S, Recht B, Stone D, Csete M, Bahmiller D, Doyle JC. Robust efficiency and actuator saturation explain healthy heart rate control and variability. *Proc Natl Acad Sci U S A*. 2014 Aug 19;111(33):E3476-85. doi: 10.1073/pnas.1401883111. Epub 2014 Aug 4. PubMed PMID: 25092335; PubMed Central PMCID: PMC4143073.

616: Sedney CL, Siu J, Rosseau G, Dempsey R, Bernstein M. International neurosurgical volunteerism: a temporal, geographic, and thematic analysis of foundation for international education in neurological surgery volunteer reports. *World Neurosurg*. 2014 Dec;82(6):963-8. doi: 10.1016/j.wneu.2014.07.040. Epub 2014 Aug 1. PubMed PMID: 25088231.

617: Vera E, Iorgulescu JB, Raper DM, Madhavan K, Lally BE, Morcos J, Elhammady S, Sherman J, Komotar RJ. A review of stereotactic radiosurgery practice in the management of skull base meningiomas. *J Neurol Surg B Skull Base*. 2014 Jun;75(3):152-8. doi: 10.1055/s-0033-1354747. Epub 2014 Mar 12. PubMed PMID: 25072008; PubMed Central PMCID: PMC4078167.

618: Jones R, Chen Q, Best R, Libby B, Crandley EF, Showalter TN. Dosimetric feasibility of stereotactic

body radiation therapy as an alternative to brachytherapy for definitive treatment of medically inoperable early stage endometrial cancer. *Radiat Oncol*. 2014 Jul 24;9:164. doi: 10.1186/1748-717X-9-164. PubMed PMID: 25059785; PubMed Central PMCID: PMC4118162.

619: Kim CH, Garcia R, Stover J, Ritchie K, Whealton T, Ata MA. Androgen deficiency in long-term intrathecal opioid administration. *Pain Physician*. 2014 Jul-Aug;17(4):E543-8. PubMed PMID: 25054405.

620: Starke RM, Sheehan JP, Ding D, Liu KC, Kondziolka D, Crowley RW, Lunsford LD, Kassell NF. Conservative management or intervention for unruptured brain arteriovenous malformations. *World Neurosurg*. 2014 Nov;82(5):e668-9. doi: 10.1016/j.wneu.2014.07.001. Epub 2014 Jul 15. PubMed PMID: 25053376.

621: Choi HJ, Smith JS, Shaffrey CI, Lafage VC, Schwab FJ, Ames CP, Matsumoto M, Baik JS, Ha Y. Coronal plane spinal malalignment and Parkinson's disease: prevalence and associations with disease severity. *Spine J*. 2015 Jan 1;15(1):115-21. doi: 10.1016/j.spinee.2014.07.004. Epub 2014 Jul 17. PubMed PMID: 25041726.

622: Starke RM, Ahmad FU, Komotar RJ, Connolly ES. A randomized clinical trial to assess the benefit of decompressive craniectomy in older patients with a large middle cerebral artery infarction. *Neurosurgery*. 2014 Aug;75(2):N20-1. doi: 10.1227/01.neu.0000452318.84236.da. PubMed PMID: 25033363.

623: Nicolasjilwan M, Hu Y, Yan C, Meerzaman D, Holder CA, Gutman D, Jain R, Colen R, Rubin DL, Zinn PO, Hwang SN, Raghavan P, Hammoud DA, Scarpace LM, Mikkelsen T, Chen J, Gevaert O, Buetow K, Freymann J, Kirby J, Flanders AE, Wintermark M; TCGA Glioma Phenotype Research Group. Addition of MR imaging features and genetic biomarkers strengthens glioblastoma survival prediction in TCGA patients. *J Neuroradiol*. 2015 Jul;42(4):212-21. doi: 10.1016/j.neurad.2014.02.006. Epub 2014 Jul 2. PubMed PMID: 24997477; PubMed Central PMCID: PMC5511631.

624: Nance E, Timbie K, Miller GW, Song J, Louttit C, Klibanov AL, Shih TY, Swaminathan G, Tamargo RJ, Woodworth GF, Hanes J, Price RJ. Non-invasive delivery of stealth, brain-penetrating nanoparticles across the blood-brain barrier using MRI-guided focused ultrasound. *J Control Release*. 2014 Sep 10;189:123-132. doi: 10.1016/j.jconrel.2014.06.031. Epub 2014 Jun 28. PubMed PMID: 24979210; PubMed Central PMCID: PMC4125545.

625: Tan Z, Li X, Turner RC, Logsdon AF, Lucke-Wold B, DiPasquale K, Jeong SS, Chen R, Huber JD, Rosen CL. Combination treatment of r-tPA and an optimized human apyrase reduces mortality rate and hemorrhagic transformation 6h after ischemic stroke in aged female rats. *Eur J Pharmacol*. 2014 Sep 5;738:368-73. doi: 10.1016/j.ejphar.2014.05.052. Epub 2014 Jun 13. PubMed PMID: 24933645; PubMed Central PMCID: PMC4126582.

626: Meyer DA, Torres-Altoro MI, Tan Z, Tozzi A, Di Filippo M, DiNapoli V, Plattner F, Kansy JW, Benkovic SA, Huber JD, Miller DB, Greengard P, Calabresi P, Rosen CL, Bibb JA. Ischemic stroke injury is mediated by aberrant Cdk5. *J Neurosci*. 2014 Jun 11;34(24):8259-67. doi: 10.1523/JNEUROSCI.4368-13.2014. PubMed PMID: 24920629; PubMed Central PMCID: PMC4051977.

627: Winardi W, Kwan AL, Wang TL, Su YF, Yen CP, Tsai HP, Sheehan J, Su CY. Predictors of memory and processing speed dysfunctions after traumatic brain injury. *Biomed Res Int*. 2014;2014:129796. doi: 10.1155/2014/129796. Epub 2014 Apr 29. PubMed PMID: 24877054; PubMed Central PMCID: PMC4022287.

628: Fu KM, Bess S, Shaffrey CI, Smith JS, Lafage V, Schwab F, Burton DC, Akbarnia BA, Ames CP,

Boachie-Adjei O, Deverin V, Hart RA, Hostin R, Klineberg E, Gupta M, Kebaish K, Mundis G, Mummaneni PV; International Spine Study Group. Patients with adult spinal deformity treated operatively report greater baseline pain and disability than patients treated nonoperatively; however, deformities differ between age groups. *Spine (Phila Pa 1976)*. 2014 Aug 1;39(17):1401-7. doi: 10.1097/BRS.0000000000000414. PubMed PMID: 24859590.

629: Smith JS, Lafage V, Schwab FJ, Shaffrey CI, Protopsaltis T, Klineberg E, Gupta M, Scheer JK, Fu KM, Mundis G, Hostin R, Deviren V, Hart R, Burton DC, Bess S, Ames CP; International Spine Study Group. Prevalence and type of cervical deformity among 470 adults with thoracolumbar deformity. *Spine (Phila Pa 1976)*. 2014 Aug 1;39(17):E1001-9. doi: 10.1097/BRS.0000000000000432. PubMed PMID: 24859571.

630: Nguyen ML, Willows B, Khan R, Chi A, Kim L, Nour SG, Sroka T, Kerr C, Godinez J, Mills M, Karlsson U, Altdorfer G, Nguyen NP, Jendrasiak G; International Geriatric Radiotherapy Group. The potential role of magnetic resonance spectroscopy in image-guided radiotherapy. *Front Oncol*. 2014 May 5;4:91. doi: 10.3389/fonc.2014.00091. eCollection 2014. Review. PubMed PMID: 24847443; PubMed Central PMCID: PMC4017160.

631: Matsumoto RR, Seminerio MJ, Turner RC, Robson MJ, Nguyen L, Miller DB, O'Callaghan JP. Methamphetamine-induced toxicity: an updated review on issues related to hyperthermia. *Pharmacol Ther*. 2014 Oct;144(1):28-40. doi: 10.1016/j.pharmthera.2014.05.001. Epub 2014 May 14. Review. PubMed PMID: 24836729; PubMed Central PMCID: PMC4700537.

632: Komotar RJ, Starke RM, Connolly ES. A randomized clinical trial of vascular endothelial growth factor inhibition in the treatment of glioblastoma multiforme. *Neurosurgery*. 2014 Jun;74(6):N14-7. doi: 10.1227/01.neu.0000450233.06740.a6. PubMed PMID: 24836101.

633: Hashim PW, Patel A, Yang JF, Travieso R, Turner J, Losee JE, Pollack I, Jane J Sr, Jane J Jr, Kanev P, Mayes L, Duncan C, Bridgett DJ, Persing JA. The effects of whole-vault cranioplasty versus strip craniectomy on long-term neuropsychological outcomes in sagittal craniosynostosis. *Plast Reconstr Surg*. 2014 Sep;134(3):491-501. doi: 10.1097/PRS.0000000000000420. PubMed PMID: 24804639.

634: Lee CC, Wintermark M, Xu Z, Yen CP, Schlesinger D, Sheehan JP. Application of diffusion-weighted magnetic resonance imaging to predict the intracranial metastatic tumor response to gamma knife radiosurgery. *J Neurooncol*. 2014 Jun;118(2):351-361. doi: 10.1007/s11060-014-1439-9. Epub 2014 Apr 24. PubMed PMID: 24760414.

635: Kim HJ, Boachie-Adjei O, Shaffrey CI, Schwab F, Lafage V, Bess S, Gupta MC, Smith JS, Deviren V, Akbarnia B, Mundis GM, O'Brien M, Hostin R, Ames C; International Spine Study Group. Upper thoracic versus lower thoracic upper instrumented vertebrae endpoints have similar outcomes and complications in adult scoliosis. *Spine (Phila Pa 1976)*. 2014 Jun 1;39(13):E795-9. doi: 10.1097/BRS.0000000000000339. PubMed PMID: 24732840.

636: Raper DM, Starke RM, Henderson F Jr, Ding D, Simon S, Evans AJ, Jane JA Sr, Liu KC. Preoperative embolization of intracranial meningiomas: efficacy, technical considerations, and complications. *AJNR Am J Neuroradiol*. 2014 Sep;35(9):1798-804. doi: 10.3174/ajnr.A3919. Epub 2014 Apr 10. PubMed PMID: 24722303.

637: Chen CP, Lew HL, Tang SF. Ultrasound-guided caudal epidural injection technique. *Am J Phys Med Rehabil*. 2015 Jan;94(1):82-4. doi: 10.1097/PHM.0000000000000047. PubMed PMID: 24722013.

638: Stary JM, Wang BH, Moon SJ, Wang H. Dramatic intracerebral hemorrhagic presentations of reversible cerebral vasoconstriction syndrome: three cases and a literature review. *Case Rep Neurol Med*. 2014;2014:782028. doi: 10.1155/2014/782028. Epub 2014 Jan 12. PubMed PMID: 24707417; PubMed Central PMCID: PMC3965932.

639: Ding L, Zhang C, Masood A, Li J, Sun J, Nadeem A, Zhang HT, O' Donnell JM, Xu Y. Protective effects of phosphodiesterase 2 inhibitor on depression- and anxiety-like behaviors: involvement of antioxidant and anti-apoptotic mechanisms. *Behav Brain Res*. 2014 Jul 15;268:150-158. doi: 10.1016/j.bbr.2014.03.042. Epub 2014 Mar 30. PubMed PMID: 24694839; PubMed Central PMCID: PMC4075066.

640: Lucke-Wold BP, DiPasquale K, Logsdon AF, Nguyen L, Lucke-Wold AN, Turner RC, Huber JD, Rosen CL. Metabolic Syndrome and its Profound Effect on Prevalence of Ischemic Stroke. *Am Med Stud Res J*. 2014 Spring;1(1):29-38. PubMed PMID: 27284575; PubMed Central PMCID: PMC4896644.

641: Abou-Chebl A, Zaidat OO, Castonguay AC, Gupta R, Sun CH, Martin CO, Holloway WE, Mueller-Kronast N, English JD, Linfante I, Dabus G, Malisch TW, Marden FA, Bozorgchami H, Xavier A, Rai AT, Froehler MT, Badruddin A, Nguyen TN, Taqi M, Abraham MG, Janardhan V, Shaltoni H, Novakovic R, Yoo AJ, Chen PR, Britz GW, Kaushal R, Nanda A, Issa MA, Nogueira RG. North American SOLITAIRE Stent-Retriever Acute Stroke Registry: choice of anesthesia and outcomes. *Stroke*. 2014 May;45(5):1396-401. doi: 10.1161/STROKEAHA.113.003698. Epub 2014 Mar 25. PubMed PMID: 24668201.

642: Easter JS, Bakes K, Dhaliwal J, Miller M, Caruso E, Haukoos JS. Comparison of PECARN, CATCH, and CHALICE rules for children with minor head injury: a prospective cohort study. *Ann Emerg Med*. 2014 Aug;64(2):145-52, 152.e1-5. doi: 10.1016/j.annemergmed.2014.01.030. Epub 2014 Mar 11. PubMed PMID: 24635987; PubMed Central PMCID: PMC4731042.

643: White NA, Moreno DP, Brown PJ, Gayzik FS, Hsu W, Powers AK, Stitzel JD. Effects of cervical arthrodesis and arthroplasty on neck response during a simulated frontal automobile collision. *Spine J*. 2014 Sep 1;14(9):2195-207. doi: 10.1016/j.spinee.2014.03.001. Epub 2014 Mar 12. PubMed PMID: 24614252.

644: Kasapas K, Diamantopoulou A, Pentilas N, Papalois A, Douzinas E, Kouraklis G, Slama M, Terkawi AS, Blaivas M, Sargsyan AE, Karakitsos D. Invasive and ultrasound based monitoring of the intracranial pressure in an experimental model of epidural hematoma progressing towards brain tamponade on rabbits. *ScientificWorldJournal*. 2014 Jan 21;2014:504248. doi: 10.1155/2014/504248. eCollection 2014. PubMed PMID: 24578637; PubMed Central PMCID: PMC3918727.

645: Mack SC, Witt H, Piro RM, Gu L, Zuyderduyn S, Stütz AM, Wang X, Gallo M, Garzia L, Zayne K, Zhang X, Ramaswamy V, Jäger N, Jones DT, Sill M, Pugh TJ, Ryzhova M, Wani KM, Shih DJ, Head R, Remke M, Bailey SD, Zichner T, Faria CC, Barszczyk M, Stark S, Seker-Cin H, Hutter S, Johann P, Bender S, Hovestadt V, Tzaridis T, Dubuc AM, Northcott PA, Peacock J, Bertrand KC, Agnihotri S, Cavalli FM, Clarke I, Nethery-Brookx K, Creasy CL, Verma SK, Koster J, Wu X, Yao Y, Milde T, Sin-Chan P, Zuccaro J, Lau L, Pereira S, Castelo-Branco P, Hirst M, Marra MA, Roberts SS, Fults D, Massimi L, Cho YJ, Van Meter T, Grajkowska W, Lach B, Kulozik AE, von Deimling A, Witt O, Scherer SW, Fan X, Muraszko KM, Kool M, Pomeroy SL, Gupta N, Phillips J, Huang A, Tabori U, Hawkins C, Malkin D, Kongkham PN, Weiss WA, Jabado N, Rutka JT, Bouffet E, Korbel JO, Lupien M, Aldape KD, Bader GD, Eils R, Lichter P, Dirks PB, Pfister SM, Korshunov A, Taylor MD. Epigenomic alterations define lethal CIMP-positive ependymomas of infancy. *Nature*. 2014 Feb 27;506(7489):445-50. doi: 10.1038/nature13108. Epub 2014 Feb 19. PubMed PMID: 24553142; PubMed Central PMCID: PMC4174313.

646: Robson MJ, Turner RC, Naser ZJ, McCurdy CR, O'Callaghan JP, Huber JD, Matsumoto RR. SN79, a sigma receptor antagonist, attenuates methamphetamine-induced astrogliosis through a blockade of OSMR/gp130 signaling and STAT3 phosphorylation. *Exp Neurol*. 2014 Apr;254:180-9. doi: 10.1016/j.expneurol.2014.01.020. Epub 2014 Feb 6. PubMed PMID: 24508558; PubMed Central PMCID: PMC4241368.

647: Lucke-Wold BP, Turner RC, Logsdon AF, Bailes JE, Huber JD, Rosen CL. Linking traumatic brain injury to chronic traumatic encephalopathy: identification of potential mechanisms leading to neurofibrillary tangle development. *J Neurotrauma*. 2014 Jul 1;31(13):1129-38. doi: 10.1089/neu.2013.3303. Epub 2014 Apr 11. Review. PubMed PMID: 24499307; PubMed Central PMCID: PMC4089022.

648: Lee DH, Kim DW, Lee HC, Lee JH, Lee TH. Phenethyl isothiocyanate sensitizes glioma cells to TRAIL-induced apoptosis. *Biochem Biophys Res Commun*. 2014 Apr 18;446(4):815-21. doi: 10.1016/j.bbrc.2014.01.112. Epub 2014 Jan 31. PubMed PMID: 24491546.

649: Bess S, Line BG, Lafage V, Schwab F, Shaffrey CI, Hart RA, Boachie-Adjei O, Akbarnia BA, Ames CP, Burton DC, Deverin V, Fu KM, Gupta M, Hostin R, Kebaish K, Klineberg E, Mundis G, O'Brien M, Shelokov A, Smith JS; International Spine Study Group ISSG. Does recombinant human bone morphogenetic protein-2 use in adult spinal deformity increase complications and are complications associated with location of rhBMP-2 use? A prospective, multicenter study of 279 consecutive patients. *Spine (Phila Pa 1976)*. 2014 Feb 1;39(3):233-42. doi: 10.1097/BRS.0000000000000104. PubMed PMID: 24477081.

650: Lee CC, Vance ML, Xu Z, Yen CP, Schlesinger D, Dodson B, Sheehan J. Stereotactic radiosurgery for acromegaly. *J Clin Endocrinol Metab*. 2014 Apr;99(4):1273-81. doi: 10.1210/jc.2013-3743. Epub 2014 Jan 28. PubMed PMID: 24471574.

651: Turner RC, VanGilder RL, Naser ZJ, Lucke-Wold BP, Bailes JE, Matsumoto RR, Huber JD, Rosen CL. Elucidating the severity of preclinical traumatic brain injury models: a role for functional assessment? *Neurosurgery*. 2014 Apr;74(4):382-94; discussion 394. doi: 10.1227/NEU.0000000000000292. PubMed PMID: 24448183; PubMed Central PMCID: PMC4890645.

652: Kim CH, Kadhim S, Julien C. Treatment of pain in SAPHO (synovitis, acne, pustulosis, hyperostosis, and osteitis) syndrome. *PM R*. 2014 Jan;6(1):92-5. doi: 10.1016/j.pmrj.2013.08.610. PubMed PMID: 24439152.

653: Gomez GG, Volinia S, Croce CM, Zanca C, Li M, Emnett R, Gutmann DH, Brennan CW, Furnari FB, Cavenee WK. Suppression of microRNA-9 by mutant EGFR signaling upregulates FOXP1 to enhance glioblastoma tumorigenicity. *Cancer Res*. 2014 Mar 1;74(5):1429-39. doi: 10.1158/0008-5472.CAN-13-2117. Epub 2014 Jan 16. PubMed PMID: 24436148; PubMed Central PMCID: PMC3947420.

654: Shaffrey E, Smith JS, Lenke LG, Polly DW Jr, Chen CJ, Coe JD, Broadstone PA, Glassman SD, Vaccaro AR, Ames CP, Shaffrey CI. Defining rates and causes of mortality associated with spine surgery: comparison of 2 data collection approaches through the Scoliosis Research Society. *Spine (Phila Pa 1976)*. 2014 Apr 1;39(7):579-86. doi: 10.1097/BRS.0000000000000201. PubMed PMID: 24430719.

655: Fargen KM, Blackburn S, Deshaies EM, Carpenter JS, Jabbour P, Mack WJ, Rai AT, Siddiqui AH, Turner RD, Mocco J. Final results of the multicenter, prospective Axium MicroFX for Endovascular

Repair of IntraCranial Aneurysm Study (AMERICA). *J Neurointerv Surg*. 2015 Jan;7(1):40-3. doi: 10.1136/neurintsurg-2013-011049. Epub 2014 Jan 6. PubMed PMID: 24394153.

656: Zanaty M, Chalouhi N, Starke RM, Tjoumakaris S, Gonzalez LF, Hasan D, Rosenwasser R, Jabbour P. Endovascular treatment of cerebral mycotic aneurysm: a review of the literature and single center experience. *Biomed Res Int*. 2013;2013:151643. doi: 10.1155/2013/151643. Epub 2013 Dec 9. Review. PubMed PMID: 24383049; PubMed Central PMCID: PMC3872026.

657: Kim YW, Zipfel GJ, Ogilvy CS, Pricola KL, Welch BG, Shakir N, Patel B, Reavey-Cantwell JF, Kelman CR, Albuquerque FC, Kalani MY, Hoh BL. Preconditioning effect on cerebral vasospasm in patients with aneurysmal subarachnoid hemorrhage. *Neurosurgery*. 2014 Apr;74(4):351-8; discussion 358-9. doi: 10.1227/NEU.0000000000000282. PubMed PMID: 24378827.

658: Zuo XN, Anderson JS, Bellec P, Birn RM, Biswal BB, Blautzik J, Breitner JC, Buckner RL, Calhoun VD, Castellanos FX, Chen A, Chen B, Chen J, Chen X, Colcombe SJ, Courtney W, Craddock RC, Di Martino A, Dong HM, Fu X, Gong Q, Gorgolewski KJ, Han Y, He Y, He Y, Ho E, Holmes A, Hou XH, Huckins J, Jiang T, Jiang Y, Kelley W, Kelly C, King M, LaConte SM, Lainhart JE, Lei X, Li HJ, Li K, Li K, Lin Q, Liu D, Liu J, Liu X, Liu Y, Lu G, Lu J, Luna B, Luo J, Lurie D, Mao Y, Margulies DS, Mayer AR, Meindl T, Meyerand ME, Nan W, Nielsen JA, O'Connor D, Paulsen D, Prabhakaran V, Qi Z, Qiu J, Shao C, Shehzad Z, Tang W, Villringer A, Wang H, Wang K, Wei D, Wei GX, Weng XC, Wu X, Xu T, Yang N, Yang Z, Zang YF, Zhang L, Zhang Q, Zhang Z, Zhang Z, Zhao K, Zhen Z, Zhou Y, Zhu XT, Milham MP. An open science resource for establishing reliability and reproducibility in functional connectomics. *Sci Data*. 2014 Dec 9;1:140049. doi: 10.1038/sdata.2014.49. eCollection 2014. PubMed PMID: 25977800; PubMed Central PMCID: PMC4421932.

659: Kung DK, Chalouhi N, Jabbour PM, Starke RM, Dumont AS, Winn HR, Howard MA 3rd, Hasan DM. Cerebral blood flow dynamics and head-of-bed changes in the setting of subarachnoid hemorrhage. *Biomed Res Int*. 2013;2013:640638. doi: 10.1155/2013/640638. Epub 2013 Nov 25. PubMed PMID: 24371827; PubMed Central PMCID: PMC3859207.

660: Schwab F, Blondel B, Chay E, Demakakos J, Lenke L, Tropicano P, Ames C, Smith JS, Shaffrey CI, Glassman S, Farcy JP, Lafage V. The comprehensive anatomical spinal osteotomy classification. *Neurosurgery*. 2014 Jan;74(1):112-20; discussion 120. doi: 10.1227/NEU.0000000000000182o. PubMed PMID: 24356197.

661: Mandelblatt JS, Hurria A, McDonald BC, Saykin AJ, Stern RA, VanMeter JW, McGuckin M, Traina T, Denduluri N, Turner S, Howard D, Jacobsen PB, Ahles T; Thinking and Living With Cancer Study. Cognitive effects of cancer and its treatments at the intersection of aging: what do we know; what do we need to know? *Semin Oncol*. 2013 Dec;40(6):709-25. doi: 10.1053/j.seminoncol.2013.09.006. Review. PubMed PMID: 24331192; PubMed Central PMCID: PMC3880205.

662: Barr JD, Jensen ME, Hirsch JA, McGraw JK, Barr RM, Brook AL, Meyers PM, Munk PL, Murphy KJ, O'Toole JE, Rasmussen PA, Ryken TC, Sanelli PC, Schwartzberg MS, Seidenwurm D, Tutton SM, Zoarski GH, Kuo MD, Rose SC, Cardella JF; Society of Interventional Radiology; American Association of Neurological Surgeons; Congress of Neurological Surgeons; American College of Radiology; American Society of Neuroradiology; American Society of Spine Radiology; Canadian Interventional Radiology Association; Society of Neurointerventional Surgery. Position statement on percutaneous vertebral augmentation: a consensus statement developed by the Society of Interventional Radiology (SIR), American Association of Neurological Surgeons (AANS) and the Congress of Neurological Surgeons (CNS), American College of Radiology (ACR), American Society of Neuroradiology (ASNR), American Society of Spine Radiology (ASSR), Canadian Interventional Radiology Association (CIRA), and the Society of NeuroInterventional Surgery (SNIS). *J Vasc Interv Radiol*. 2014 Feb;25(2):171-81. doi:

10.1016/j.jvir.2013.10.001. Epub 2013 Dec 8. PubMed PMID: 24325929.

663: Nguyen TN, Malisch T, Castonguay AC, Gupta R, Sun CH, Martin CO, Holloway WE, Mueller-Kronast N, English JD, Linfante I, Dabus G, Marden FA, Bozorgchami H, Xavier A, Rai AT, Froehler MT, Badruddin A, Taqi M, Abraham MG, Janardhan V, Shaltoni H, Novakovic R, Yoo AJ, Abou-Chebl A, Chen PR, Britz GW, Kaushal R, Nanda A, Issa MA, Masoud H, Nogueira RG, Norbash AM, Zaidat OO. Balloon guide catheter improves revascularization and clinical outcomes with the Solitaire device: analysis of the North American Solitaire Acute Stroke Registry. *Stroke*. 2014 Jan;45(1):141-5. doi: 10.1161/STROKEAHA.113.002407. Epub 2013 Dec 3. PubMed PMID: 24302483.

664: Dallapiazza R, McKisic MS, Shah B, Elias WJ. Neuromodulation for movement disorders. *Neurosurg Clin N Am*. 2014 Jan;25(1):47-58. doi: 10.1016/j.nec.2013.08.002. Epub 2013 Oct 8. Review. PubMed PMID: 24262899.

665: VanGilder RL, Davidov DM, Stinehart KR, Huber JD, Turner RC, Wilson KS, Haney E, Davis SM, Chantler PD, Theeke L, Rosen CL, Crocco TJ, Gutmann L, Barr TL. C-reactive protein and long-term ischemic stroke prognosis. *J Clin Neurosci*. 2014 Apr;21(4):547-53. doi: 10.1016/j.jocn.2013.06.015. Epub 2013 Aug 23. Review. PubMed PMID: 24211144; PubMed Central PMCID: PMC4394376.

666: Tan Z, Turner RC, Leon RL, Li X, Hongpaisan J, Zheng W, Logsdon AF, Naser ZJ, Alkon DL, Rosen CL, Huber JD. Bryostatin improves survival and reduces ischemic brain injury in aged rats after acute ischemic stroke. *Stroke*. 2013 Dec;44(12):3490-7. doi: 10.1161/STROKEAHA.113.002411. Epub 2013 Oct 30. PubMed PMID: 24172582; PubMed Central PMCID: PMC4041549.

667: Ames CP, Blondel B, Scheer JK, Schwab FJ, Le Huec JC, Massicotte EM, Patel AA, Traynelis VC, Kim HJ, Shaffrey CI, Smith JS, Lafage V. Cervical radiographical alignment: comprehensive assessment techniques and potential importance in cervical myelopathy. *Spine (Phila Pa 1976)*. 2013 Oct 15;38(22 Suppl 1):S149-60. doi: 10.1097/BRS.0b013e3182a7f449. Review. PubMed PMID: 24113358.

668: Sherman JH, Kirzner J, Siu A, Amos S, Hussaini IM. Sorafenib tosylate as a radiosensitizer in malignant astrocytoma. *J Clin Neurosci*. 2014 Jan;21(1):131-6. doi: 10.1016/j.jocn.2013.04.010. Epub 2013 Oct 18. PubMed PMID: 24139873.

669: Zaidat OO, Castonguay AC, Gupta R, Sun CH, Martin C, Holloway WE, Mueller-Kronast N, English JD, Linfante I, Dabus G, Malisch TW, Marden FA, Bozorgchami H, Xavier A, Rai AT, Froehler MT, Badruddin A, Nguyen TN, Taqi MA, Abraham MG, Janardhan V, Shaltoni H, Novakovic R, Yoo AJ, Abou-Chebl A, Chen PR, Britz GW, Kaushal R, Nanda A, Issa MA, Nogueira RG. North American Solitaire Stent Retriever Acute Stroke registry: post-marketing revascularization and clinical outcome results. *J Neurointerv Surg*. 2014 Oct;6(8):584-8. doi: 10.1136/neurintsurg-2013-010895. Epub 2013 Sep 23. PubMed PMID: 24062252.

670: Lee DH, Lee CS, Kim DW, Ae JE, Lee TH. Digitoxin sensitizes glioma cells to TRAIL-mediated apoptosis by upregulation of death receptor 5 and downregulation of survivin. *Anticancer Drugs*. 2014 Jan;25(1):44-52. doi: 10.1097/CAD.000000000000015. PubMed PMID: 24045365.

671: Fargen KM, Blackburn S, Carpenter JS, Jabbour P, Mack WJ, Rai AT, Siddiqui AH, Turner RD, Mocco J. Early results of the Axium MicroFX for Endovascular Repair of IntraCranial Aneurysm (AMERICA) study: a multicenter prospective observational registry. *J Neurointerv Surg*. 2014 Sep;6(7):495-9. doi: 10.1136/neurintsurg-2013-010887. Epub 2013 Sep 11. PubMed PMID: 24026950.

672: Arnold PM, Fehlings MG, Kopjar B, Yoon ST, Massicotte EM, Vaccaro AR, Brodke DS, Shaffrey CI,

Smith JS, Woodard EJ, Banco RJ, Chapman JR, Janssen ME, Bono CM, Sasso RC, Dekutoski MB, Gokaslan ZL. Mild diabetes is not a contraindication for surgical decompression in cervical spondylotic myelopathy: results of the AOSpine North America multicenter prospective study (CSM). *Spine J.* 2014 Jan;14(1):65-72. doi: 10.1016/j.spinee.2013.06.016. Epub 2013 Aug 24. PubMed PMID: 23981820.

673: Rhee JM, Shamji MF, Erwin WM, Bransford RJ, Yoon ST, Smith JS, Kim HJ, Ely CG, Dettori JR, Patel AA, Kalsi-Ryan S. Nonoperative management of cervical myelopathy: a systematic review. *Spine (Phila Pa 1976).* 2013 Oct 15;38(22 Suppl 1):S55-67. doi: 10.1097/BRS.0b013e3182a7f41d. Review. PubMed PMID: 23963006.

674: Wilson JR, Barry S, Fischer DJ, Skelly AC, Arnold PM, Riew KD, Shaffrey CI, Traynelis VC, Fehlings MG. Frequency, timing, and predictors of neurological dysfunction in the nonmyelopathic patient with cervical spinal cord compression, canal stenosis, and/or ossification of the posterior longitudinal ligament. *Spine (Phila Pa 1976).* 2013 Oct 15;38(22 Suppl 1):S37-54. doi: 10.1097/BRS.0b013e3182a7f2e7. Review. PubMed PMID: 23963005.

675: Conley A, Cho BH, Tye GW, Reavey-Cantwell J, Coelho D, Fuller CE, Rhodes JL. Giant cell reparative granuloma of the pediatric cranium: case report and review of the literature. *Childs Nerv Syst.* 2014 Mar;30(3):521-6. doi: 10.1007/s00381-013-2254-x. Epub 2013 Aug 13. PubMed PMID: 23943191.

676: Turner RC, Naser ZJ, Logsdon AF, DiPasquale KH, Jackson GJ, Robson MJ, Gettens RT, Matsumoto RR, Huber JD, Rosen CL. Modeling clinically relevant blast parameters based on scaling principles produces functional & histological deficits in rats. *Exp Neurol.* 2013 Oct;248:520-9. doi: 10.1016/j.expneurol.2013.07.008. Epub 2013 Jul 20. PubMed PMID: 23876514.

677: Hamed HA, Yamaguchi Y, Fisher PB, Grant S, Dent P. Sorafenib and HDAC inhibitors synergize with TRAIL to kill tumor cells. *J Cell Physiol.* 2013 Oct;228(10):1996-2005. doi: 10.1002/jcp.24362. PubMed PMID: 23674352; PubMed Central PMCID: PMC4012564.

678: Harkenrider MM, Bertke MH, Dunlap NE. Stereotactic body radiation therapy for unbiopsied early-stage lung cancer: a multi-institutional analysis. *Am J Clin Oncol.* 2014 Aug;37(4):337-42. doi: 10.1097/COC.0b013e318277d822. PubMed PMID: 23660597.

679: Greer JE, Hånell A, McGinn MJ, Povlishock JT. Mild traumatic brain injury in the mouse induces axotomy primarily within the axon initial segment. *Acta Neuropathol.* 2013 Jul;126(1):59-74. doi: 10.1007/s00401-013-1119-4. Epub 2013 Apr 18. PubMed PMID: 23595276; PubMed Central PMCID: PMC3691315.

680: Williams BJ, Smith JS, Saulle D, Ames CP, Lenke LG, Broadstone PA, Vaccaro AR, Polly DW Jr, Shaffrey CI. Complications associated with surgical treatment of traumatic spinal fractures: a review of the scoliosis research society morbidity and mortality database. *World Neurosurg.* 2014 May-Jun;81(5-6):818-24. doi: 10.1016/j.wneu.2013.02.013. Epub 2013 Feb 8. PubMed PMID: 23396067.

681: Turner RC, Lucke-Wold B, Lucke-Wold N, Elliott AS, Logsdon AF, Rosen CL, Huber JD. Neuroprotection for ischemic stroke: moving past shortcomings and identifying promising directions. *Int J Mol Sci.* 2013 Jan 17;14(1):1890-917. doi: 10.3390/ijms14011890. Review. PubMed PMID: 23344061; PubMed Central PMCID: PMC3565354.

682: Walters A, Muhleman M, Osiro S, Bubbs K, Snosek M, Shoja MM, Tubbs RS, Loukas M. One is the loneliest number: a review of the ganglion impar and its relation to pelvic pain syndromes. *Clin Anat.* 2013 Oct;26(7):855-61. doi: 10.1002/ca.22193. Epub 2013 Jan 21. Review. PubMed PMID: 23339118.

- 683: Hood B, Hamilton DK, Smith JS, Dididze M, Shaffrey C, Levi AD. The use of allograft and recombinant human bone morphogenetic protein for instrumented atlantoaxial fusions. *World Neurosurg*. 2014 Dec;82(6):1369-73. doi: 10.1016/j.wneu.2013.01.083. Epub 2013 Jan 19. PubMed PMID: 23336983.
- 684: Turner RC, Lucke-Wold BP, Robson MJ, Omalu BI, Petraglia AL, Bailes JE. Repetitive traumatic brain injury and development of chronic traumatic encephalopathy: a potential role for biomarkers in diagnosis, prognosis, and treatment? *Front Neurol*. 2013 Jan 17;3:186. doi: 10.3389/fneur.2012.00186. eCollection 2012. PubMed PMID: 23335911; PubMed Central PMCID: PMC3547169.
- 685: Crowley RW, Dumont AS, Asthagiri AR, Torner JC, Medel R, Jane JA Jr, Jane JA, Kassell NF. Intraoperative ultrasound guidance for the placement of permanent ventricular cerebrospinal fluid shunt catheters: a single-center historical cohort study. *World Neurosurg*. 2014 Feb;81(2):397-403. doi: 10.1016/j.wneu.2013.01.039. Epub 2013 Jan 12. PubMed PMID: 23321382.
- 686: Smirnov I, Walsh JT, Kipnis J. Chronic mild stress eliminates the neuroprotective effect of Copaxone after CNS injury. *Brain Behav Immun*. 2013 Jul;31:177-82. doi: 10.1016/j.bbi.2012.12.015. Epub 2013 Jan 4. PubMed PMID: 23295266; PubMed Central PMCID: PMC3633726.
- 687: Gans JH, Raper DM, Shah AH, Bregy A, Heros D, Lally BE, Morcos JJ, Heros RC, Komotar RJ. The role of radiosurgery to the tumor bed after resection of brain metastases. *Neurosurgery*. 2013 Mar;72(3):317-25; discussion 325-6. doi: 10.1227/NEU.0b013e31827fcd60. Review. PubMed PMID: 23208065.
- 688: Turner RC, Naser ZJ, Bailes JE, Smith DW, Fisher JA, Rosen CL. Effect of slosh mitigation on histologic markers of traumatic brain injury: laboratory investigation. *J Neurosurg*. 2012 Dec;117(6):1110-8. doi: 10.3171/2012.8.JNS12358. Epub 2012 Sep 21. PubMed PMID: 22998060.
- 689: Kusumi M, Fukushima T, Mehta AI, Cunningham CD 3rd, Friedman AH, Fujii K. Middle fossa approach for total resection of petrous apex cholesterol granulomas: use of vascularized galeofascial flap preventing recurrence. *Neurosurgery*. 2013 Mar;72(1 Suppl Operative):77-86; discussion 86. doi: 10.1227/NEU.0b013e3182724354. PubMed PMID: 22986599.
- 690: Lee DH, Lee TH, Jung CH, Kim YH. Wogonin induces apoptosis by activating the AMPK and p53 signaling pathways in human glioblastoma cells. *Cell Signal*. 2012 Nov;24(11):2216-25. doi: 10.1016/j.cellsig.2012.07.019. Epub 2012 Jul 28. PubMed PMID: 22846543.
- 691: Turner RC, Seminerio MJ, Naser ZJ, Ford JN, Martin SJ, Matsumoto RR, Rosen CL, Huber JD. Effects of aging on behavioral assessment performance: implications for clinically relevant models of neurological disease. *J Neurosurg*. 2012 Sep;117(3):629-37. doi: 10.3171/2012.5.JNS112224. Epub 2012 Jun 29. PubMed PMID: 22746378.
- 692: Sedney CL, Morris JM, Giannini C, Link MJ, Swetz KM. Radiation-associated sarcoma of the skull base after irradiation for pituitary neuroendocrine tumor. *Rare Tumors*. 2012 Jan 2;4(1):e7. doi: 10.4081/rt.2012.e7. Epub 2012 Jan 30. PubMed PMID: 22532923; PubMed Central PMCID: PMC3325752.
- 693: Tang Y, Yacoub A, Hamed HA, Poklepovic A, Tye G, Grant S, Dent P. Sorafenib and HDAC inhibitors synergize to kill CNS tumor cells. *Cancer Biol Ther*. 2012 May;13(7):567-74. doi: 10.4161/cbt.19771. Epub 2012 May 1. PubMed PMID: 22406992; PubMed Central PMCID:

PMC3679096.

694: Tang Y, Dai Y, Grant S, Dent P. Enhancing CHK1 inhibitor lethality in glioblastoma. *Cancer Biol Ther.* 2012 Apr;13(6):379-88. doi: 10.4161/cbt.19240. Epub 2012 Apr 1. PubMed PMID: 22313687; PubMed Central PMCID: PMC3341214.

695: Veronesi MC, Gunderman RB. Perspective: the potential of student organizations for developing leadership: one school's experience. *Acad Med.* 2012 Feb;87(2):226-9. doi: 10.1097/ACM.0b013e31823fa47c. PubMed PMID: 22189878.

696: Starke RM, Komotar RJ, Hwang BY, Rincon F, Kotchetkov IS, Mayer SA, Connolly ES. Role of fever in ventriculoperitoneal shunt placement after aneurysmal subarachnoid hemorrhage. *Neurosurgery.* 2012 Jun;70(6):1361-8; discussion 1368. doi: 10.1227/NEU.0b013e318246b59d. PubMed PMID: 22186846.

697: Pouratian N, Zheng Z, Bari AA, Behnke E, Elias WJ, Desalles AA. Multi-institutional evaluation of deep brain stimulation targeting using probabilistic connectivity-based thalamic segmentation. *J Neurosurg.* 2011 Nov;115(5):995-1004. doi: 10.3171/2011.7.JNS11250. Epub 2011 Aug 19. PubMed PMID: 21854118.

698: Bhatia S, O'Neill BR, Pu F, Aziz K. Giant tentorial cavernous hemangioma: case report and review of literature. *Clin Neurol Neurosurg.* 2011 Dec;113(10):937-42. doi: 10.1016/j.clineuro.2011.07.007. Epub 2011 Aug 4. PubMed PMID: 21820241.

699: Starke RM, Connolly ES Jr; Participants in the International Multi-Disciplinary Consensus Conference on the Critical Care Management of Subarachnoid Hemorrhage. Rebleeding after aneurysmal subarachnoid hemorrhage. *Neurocrit Care.* 2011 Sep;15(2):241-6. doi: 10.1007/s12028-011-9581-0. Review. PubMed PMID: 21761274.

700: Colson JD. Cervicofacial subcutaneous emphysema and pneumomediastinum after retinal detachment surgery: just another monitored anesthesia eye case. *J Clin Anesth.* 2011 Aug;23(5):410-3. doi: 10.1016/j.jclinane.2010.08.019. Epub 2011 Jun 30. PubMed PMID: 21723109.

701: Watson JC, Ho SV. Charles Edouard Brown-Séquard's departure from the Medical College of Virginia: incompatible science or incompatible social views in pre-Civil War southern United States. *World Neurosurg.* 2011 May-Jun;75(5-6):750-3; discussion 624-5. doi: 10.1016/j.wneu.2010.12.008. PubMed PMID: 21704947.

702: Rosen CL, Steinberg GK, DeMonte F, Delashaw JB Jr, Lewis SB, Shaffrey ME, Aziz K, Hantel J, Marciano FF. Results of the prospective, randomized, multicenter clinical trial evaluating a biosynthesized cellulose graft for repair of dural defects. *Neurosurgery.* 2011 Nov;69(5):1093-103; discussion 1103-4. doi: 10.1227/NEU.0b013e3182284aca. PubMed PMID: 21670715.

703: Mitchell C, Hamed HA, Cruickshanks N, Tang Y, Bareford MD, Hubbard N, Tye G, Yacoub A, Dai Y, Grant S, Dent P. Simultaneous exposure of transformed cells to SRC family inhibitors and CHK1 inhibitors causes cell death. *Cancer Biol Ther.* 2011 Aug 1;12(3):215-28. Epub 2011 Aug 1. PubMed PMID: 21642769; PubMed Central PMCID: PMC3230482.

704: Ensor CR, Sabo RT, Voils SA. Impact of Early Postoperative Hydrocortisone Administration in Cardiac Surgical Patients After Cardiopulmonary Bypass. *Ann Pharmacother.* 2011 Feb;45(2):189-94. doi: 10.1345/aph.1P468. PubMed PMID: 21304031.

705: Maniec K, Watson JC. Spontaneous Rupture, Disappearance, and Reaccumulation of a Rathke's

Cleft Cyst. Case Rep Endocrinol. 2011;2011:549262. doi: 10.1155/2011/549262. Epub 2011 Sep 29. PubMed PMID: 22937285; PubMed Central PMCID: PMC3420408.

706: Mills JD, Hadley K, Bailes JE. Dietary supplementation with the omega-3 fatty acid docosahexaenoic acid in traumatic brain injury. Neurosurgery. 2011 Feb;68(2):474-81; discussion 481. doi: 10.1227/NEU.0b013e3181ff692b. PubMed PMID: 21135750.

707: Park MA, Hamed HA, Mitchell C, Cruickshanks N, Dash R, Allegood J, Dmitriev IP, Tye G, Ogretmen B, Spiegel S, Yacoub A, Grant S, Curiel DT, Fisher PB, Dent P. A serotype 5/3 adenovirus expressing MDA-7/IL-24 infects renal carcinoma cells and promotes toxicity of agents that increase ROS and ceramide levels. Mol Pharmacol. 2011 Mar;79(3):368-80. doi: 10.1124/mol.110.069484. Epub 2010 Nov 30. PubMed PMID: 21119025; PubMed Central PMCID: PMC3061366.

708: Howell SM, Unger MW, Colson JD, Serafini M. Ultrasonographic evaluation of neck hematoma and block salvage after failed neurostimulation-guided interscalene block. J Clin Anesth. 2010 Nov;22(7):560-1. doi: 10.1016/j.jclinane.2009.09.012. PubMed PMID: 21056816.

709: Vieira JS, da Silva Herrero CF, Porto MA, Arlet V, Defino HL. FUNCTIONAL AND RADIOGRAPHIC COMPARISON OF ANTERIOR AND POSTERIOR INSTRUMENTATION FOR THE CORRECTION OF ADOLESCENT IDIOPATHIC SCOLIOSIS. Rev Bras Ortop. 2015 Nov 16;45(6):557-64. doi: 10.1016/S2255-4971(15)30303-7. eCollection 2010 Nov-Dec. PubMed PMID: 27026964; PubMed Central PMCID: PMC4799174.

710: Dent P, Yacoub A, Hamed HA, Park MA, Dash R, Bhutia SK, Sarkar D, Wang XY, Gupta P, Emdad L, Lebedeva IV, Sauane M, Su ZZ, Rahmani M, Broaddus WC, Young HF, Lesniak MS, Grant S, Curiel DT, Fisher PB. The development of MDA-7/IL-24 as a cancer therapeutic. Pharmacol Ther. 2010 Nov;128(2):375-84. doi: 10.1016/j.pharmthera.2010.08.001. Epub 2010 Aug 21. Review. PubMed PMID: 20732354; PubMed Central PMCID: PMC2947573.

711: Mills JD, Bailes JE, Sedney CL, Hutchins H, Sears B. Omega-3 fatty acid supplementation and reduction of traumatic axonal injury in a rodent head injury model. J Neurosurg. 2011 Jan;114(1):77-84. doi: 10.3171/2010.5.JNS08914. Epub 2010 Jul 16. PubMed PMID: 20635852.

712: Dinapoli VA, Benkovic SA, Li X, Kelly KA, Miller DB, Rosen CL, Huber JD, O'Callaghan JP. Age exaggerates proinflammatory cytokine signaling and truncates signal transducers and activators of transcription 3 signaling following ischemic stroke in the rat. Neuroscience. 2010 Oct 13;170(2):633-44. doi: 10.1016/j.neuroscience.2010.07.011. Epub 2010 Jul 13. PubMed PMID: 20633608; PubMed Central PMCID: PMC2933458.

713: Bailes JE, Mills JD. Docosahexaenoic acid reduces traumatic axonal injury in a rodent head injury model. J Neurotrauma. 2010 Sep;27(9):1617-24. doi: 10.1089/neu.2009.1239. PubMed PMID: 20597639.

714: Yacoub A, Hamed HA, Allegood J, Mitchell C, Spiegel S, Lesniak MS, Ogretmen B, Dash R, Sarkar D, Broaddus WC, Grant S, Curiel DT, Fisher PB, Dent P. PERK-dependent regulation of ceramide synthase 6 and thioredoxin play a key role in mda-7/IL-24-induced killing of primary human glioblastoma multiforme cells. Cancer Res. 2010 Feb 1;70(3):1120-9. doi: 10.1158/0008-5472.CAN-09-4043. Epub 2010 Jan 26. PubMed PMID: 20103619; PubMed Central PMCID: PMC2890071.

715: Schessler MJ, McClellan WT. The role of nerve transfers for C5-C6 brachial plexus injury in adults.

W V Med J. 2010 Jan-Feb;106(1):12-7. Review. PubMed PMID: 20088304.

716: Kumar A, Fillmore HL, Kadian R, Broaddus WC, Tye GW, Van Meter TE. The alkylphospholipid perfosine induces apoptosis and p21-mediated cell cycle arrest in medulloblastoma. *Mol Cancer Res*. 2009 Nov;7(11):1813-21. doi: 10.1158/1541-7786.MCR-09-0069. Epub 2009 Nov 3. PubMed PMID: 19887560.

717: Medel R, Crowley RW, McKisic MS, Dumont AS, Kassell NF. Sonothrombolysis: an emerging modality for the management of stroke. *Neurosurgery*. 2009 Nov;65(5):979-93; discussion 993. doi: 10.1227/01.NEU.0000350226.30382.98. Review. PubMed PMID: 19834413.

718: Cook RA, Driver RP Jr. Caudal epidural blood patch. *W V Med J*. 2009 Sep-Oct;105(5):28-9. PubMed PMID: 19806868.

719: Guagliardo NA, West KN, McCluskey LP, Hill DL. Attenuation of peripheral salt taste responses and local immune function contralateral to gustatory nerve injury: effects of aldosterone. *Am J Physiol Regul Integr Comp Physiol*. 2009 Oct;297(4):R1103-10. doi: 10.1152/ajpregu.00219.2009. Epub 2009 Aug 12. PubMed PMID: 19675282; PubMed Central PMCID: PMC2763818.

720: Starke RM, Komotar RJ, Hwang BY, Fischer LE, Garrett MC, Otten ML, Connolly ES. Treatment guidelines for cerebral arteriovenous malformation microsurgery. *Br J Neurosurg*. 2009 Aug;23(4):376-86. doi: 10.1080/02688690902977662. Review. PubMed PMID: 19637008.

721: Bailes JE. Sports-related concussion: what do we know in 2009-a neurosurgeon's perspective. *J Int Neuropsychol Soc*. 2009 Jul;15(4):509-11. doi: 10.1017/S1355617709090936. Review. PubMed PMID: 19573268.

722: Crowley RW, Evans AJ, Jensen ME, Kassell NF, Dumont AS. Combined surgical/endovascular treatment of a complex dural arteriovenous fistula in 21-month-old. Technical note. *J Neurosurg Pediatr*. 2009 Jun;3(6):501-6. doi: 10.3171/2009.2.PEDS08469. PubMed PMID: 19485735.

723: Crowley RW, Medel R, Dumont AS. Operative nuances of an occipital artery to posterior inferior cerebellar artery bypass. *Neurosurg Focus*. 2009 May;26(5):E19. doi: 10.3171/2009.2.FOCUS0911. Review. PubMed PMID: 19408997.

724: Crowley RW, Dumont AS, Jane JA Jr. Bilateral intracavernous carotid artery pseudoaneurysms as a result of sellar reconstruction during the transsphenoidal resection of a pituitary macroadenoma: case report. *Minim Invasive Neurosurg*. 2009 Feb;52(1):44-8. doi: 10.1055/s-0028-1104611. Epub 2009 Feb 26. PubMed PMID: 19247905.

725: Rosen CL, Orphanos JR, Nugent RG, Marano G. The use of MR-myelography combining flexion and extension imaging in the diagnosis of cervical myelopathy: a case report. *W V Med J*. 2009 Jan-Feb;105(1):10-4. PubMed PMID: 19146040.

726: Rosen CL, Sedney C, Sivak J. Single-stage complex reconstruction for fibrous dysplasia: a case report. *Skull Base*. 2008 Jul;18(4):275-9. doi: 10.1055/s-2008-1043752. PubMed PMID: 19119342; PubMed Central PMCID: PMC2474455.

727: Boling WW, Lancaster M, Kraszpulski M, Palade A, Marano G, Puce A. Fluorodeoxyglucose-positron emission tomographic imaging for the diagnosis of mesial temporal lobe epilepsy. *Neurosurgery*. 2008 Dec;63(6):1130-8; discussion 1138. doi: 10.1227/01.NEU.0000334429.15867.3B. PubMed PMID: 19057325.

728: Mocco J, Snyder KV, Albuquerque FC, Bendok BR, Alan S B, Carpenter JS, Fiorella DJ, Hoh BL, Howington JU, Jankowitz BT, Liebman KM, Rai AT, Rodriguez-Mercado R, Siddiqui AH, Veznedaroglu E, Hopkins LN, Levy EI. Treatment of intracranial aneurysms with the Enterprise stent: a multicenter registry. *J Neurosurg*. 2009 Jan;110(1):35-9. doi: 10.3171/2008.7.JNS08322. PubMed PMID: 18976057.

729: Prevedello DM, Pouratian N, Sherman J, Jane JA Jr, Vance ML, Lopes MB, Laws ER Jr. Management of Cushing's disease: outcome in patients with microadenoma detected on pituitary magnetic resonance imaging. *J Neurosurg*. 2008 Oct;109(4):751-9. doi: 10.3171/JNS/2008/109/10/0751. PubMed PMID: 18826366.

730: Patil CG, Veeravagu A, Prevedello DM, Katznelson L, Vance ML, Laws ER Jr. Outcomes after repeat transsphenoidal surgery for recurrent Cushing's disease. *Neurosurgery*. 2008 Aug;63(2):266-70; discussion 270-1. doi: 10.1227/01.NEU.0000313117.35824.9F. PubMed PMID: 18797356.

731: Falo MC, Reeves TM, Phillips LL. Agrin expression during synaptogenesis induced by traumatic brain injury. *J Neurotrauma*. 2008 Jul;25(7):769-83. doi: 10.1089/neu.2008.0511. PubMed PMID: 18627255; PubMed Central PMCID: PMC2946878.

732: Jane JA Jr. Management of pediatric sellar tumors. *Pediatr Endocrinol Rev*. 2008 Feb;5 Suppl 2:720-6. Review. PubMed PMID: 18317443.

733: Miele VJ, France JC, Rosen CL. Subaxial positional vertebral artery occlusion corrected by decompression and fusion. *Spine (Phila Pa 1976)*. 2008 May 15;33(11):E366-70. doi: 10.1097/BRS.0b013e31817192a1. Review. PubMed PMID: 18469685.

734: Wang Y, Rubel EW. Rapid regulation of microtubule-associated protein 2 in dendrites of nucleus laminaris of the chick following deprivation of afferent activity. *Neuroscience*. 2008 Jun 12;154(1):381-9. doi: 10.1016/j.neuroscience.2008.02.032. Epub 2008 Feb 29. PubMed PMID: 18440716; PubMed Central PMCID: PMC2693030.

735: Patil CG, Prevedello DM, Lad SP, Vance ML, Thorner MO, Katznelson L, Laws ER Jr. Late recurrences of Cushing's disease after initial successful transsphenoidal surgery. *J Clin Endocrinol Metab*. 2008 Feb;93(2):358-62. Epub 2007 Dec 4. PubMed PMID: 18056770.

736: Schmidt JH 3rd, Reyes BJ, Fischer R, Flaherty SK. Use of hinge craniotomy for cerebral decompression. Technical note. *J Neurosurg*. 2007 Sep;107(3):678-82. PubMed PMID: 17886572.

737: Chang CZ, Dumont AS, Simsek S, Titus BJ, Kwan AL, Kassell NF, Solenski NJ. The adenosine 2A receptor agonist ATL-146e attenuates experimental posthemorrhagic vasospasm. *Neurosurgery*. 2007 Jun;60(6):1110-7; discussion 1117-8. PubMed PMID: 17538386.

738: Zhou Z, Daugherty WP, Sun D, Levasseur JE, Altememi N, Hamm RJ, Rockswold GL, Bullock MR. Protection of mitochondrial function and improvement in cognitive recovery in rats treated with hyperbaric oxygen following lateral fluid-percussion injury. *J Neurosurg*. 2007 Apr;106(4):687-94. PubMed PMID: 17432723.

739: Boling W, Longoni N, Palade A, Moran M, Brick J. Surgery for temporal lobe epilepsy. *W V Med J*. 2006 Nov-Dec;102(6):18-21. PubMed PMID: 17334162.

740: Miele VJ, Bailes JE. Objectifying when to halt a boxing match: a video analysis of fatalities.

Neurosurgery. 2007 Feb;60(2):307-15; discussion 315-6. PubMed PMID: 17290181.

741: Miele VJ, Price K, Bloomfield S, Hogg J, Bailes J. Intrathecal morphine therapy related granulomas: two case reports. W V Med J. 2006 Sep-Oct;102(5):16-8. PubMed PMID: 17285949.

742: DiNapoli VA, Huber JD, Houser K, Li X, Rosen CL. Early disruptions of the blood-brain barrier may contribute to exacerbated neuronal damage and prolonged functional recovery following stroke in aged rats. Neurobiol Aging. 2008 May;29(5):753-64. Epub 2007 Jan 22. PubMed PMID: 17241702; PubMed Central PMCID: PMC2683361.

743: Sutter B, Arthur A, Laurent J, Chadduck J, Friehs G, Clarici G, Pendl G. Treatment options and time course for intramedullary spinal cord metastasis. Report of three cases and review of the literature. Neurosurg Focus. 1998 May 15;4(5):e3. PubMed PMID: 17154452.

744: Miele VJ, Bailes JE, Martin NA. Participation in contact or collision sports in athletes with epilepsy, genetic risk factors, structural brain lesions, or history of craniotomy. Neurosurg Focus. 2006 Oct 15;21(4):E9. Review. PubMed PMID: 17112199.

745: Miele VJ, Norwig JA, Bailes JE. Sideline and ringside evaluation for brain and spinal injuries. Neurosurg Focus. 2006 Oct 15;21(4):E8. Review. PubMed PMID: 17112198.

746: Miele VJ, Bailes JE, Cantu RC, Rabb CH. Subdural hematomas in boxing: the spectrum of consequences. Neurosurg Focus. 2006 Oct 15;21(4):E10. PubMed PMID: 17112188.

747: Laws ER, Vance ML, Jane JA Jr. TSH adenomas. Pituitary. 2006;9(4):313-5. Review. PubMed PMID: 17080266.

748: Jane JA Jr, Laws ER. Craniopharyngioma. Pituitary. 2006;9(4):323-6. Review. PubMed PMID: 17080265.

749: Laws ER, Vance ML, Jane JA Jr. Hypophysitis. Pituitary. 2006;9(4):331-3. Review. PubMed PMID: 17080263.

750: Siu PM, Alway SE. Deficiency of the Bax gene attenuates denervation-induced apoptosis. Apoptosis. 2006 Jun;11(6):967-81. PubMed PMID: 16763784; PubMed Central PMCID: PMC4317263.

751: Dinapoli VA, Rosen CL, Nagamine T, Crocco T. Selective MCA occlusion: a precise embolic stroke model. J Neurosci Methods. 2006 Jun 30;154(1-2):233-8. Epub 2006 Feb 10. PubMed PMID: 16472870.

752: Miele VJ, Zeb S, Hogg JP, Bloomfield S. Diagnostic pitfall of computed tomography in patients with superficial siderosis of the central nervous system. W V Med J. 2005 Jul-Aug;101(4):172-5. PubMed PMID: 16296199.

753: Rao AK, Merenda DM, Wetmore SJ. Diagnosis and management of spontaneous cerebrospinal fluid otorrhea. Otol Neurotol. 2005 Nov;26(6):1171-5. PubMed PMID: 16272936.

754: Sehbai AS, Abraham J, Brown VK. Perioperative management of a patient with May-Hegglin anomaly requiring craniotomy. Am J Hematol. 2005 Aug;79(4):303-8. PubMed PMID: 16044442.

755: Lightstone AW, Benedict SH, Bova FJ, Solberg TD, Stern RL. Intracranial stereotactic positioning systems: Report of the American Association of Physicists in Medicine Radiation Therapy Committee Task Group No. 68. Med Phys. 2005 Jul;32(7Part1):2380-2398. doi: 10.1118/1.1945347. PubMed PMID: 28493584.

756: Miele VJ, Price KO, Bloomfield S, Hogg J, Bailes JE. A review of intrathecal morphine therapy related granulomas. *Eur J Pain*. 2006 Apr;10(3):251-61. Epub 2005 Jun 17. Review. PubMed PMID: 15964775.

757: Moran M, Seidenberg M, Sabsevitz D, Swanson S, Hermann B. The acquisition of face and person identity information following anterior temporal lobectomy. *J Int Neuropsychol Soc*. 2005 May;11(3):237-48. PubMed PMID: 15892900.

758: Miele VJ, Sadrolhefazi A, Bailes JE. Influence of head position on the effectiveness of twist drill craniostomy for chronic subdural hematoma. *Surg Neurol*. 2005 May;63(5):420-3; discussion 423. PubMed PMID: 15883061.

759: Miele VJ, Rosen CL, Carpenter J, Rai A, Bailes JE. Vertebral artery-to-middle cerebral artery bypass with coil embolization of giant internal carotid artery aneurysm: technical case report. *Neurosurgery*. 2005 May;56(5):E1159; discussion E1159. PubMed PMID: 15854269.

760: Siu PM, Alway SE. Mitochondria-associated apoptotic signalling in denervated rat skeletal muscle. *J Physiol*. 2005 May 15;565(Pt 1):309-23. Epub 2005 Mar 17. PubMed PMID: 15774533; PubMed Central PMCID: PMC1464486.

761: Riggs JE, Riggs AJ. Prominent 59-year-old British neurosurgeon, Victor Horsley, succumbs to heatstroke while serving with allied troops in Iraq. *Br J Neurosurg*. 2004 Aug;18(4):375-6; discussion 376. PubMed PMID: 15702838.

762: Kim HJ, Fillmore HL, Reeves TM, Phillips LL. Elevation of hippocampal MMP-3 expression and activity during trauma-induced synaptogenesis. *Exp Neurol*. 2005 Mar;192(1):60-72. PubMed PMID: 15698619.

763: Bailes JE. Experience with cervical stenosis and temporary paralysis in athletes. *J Neurosurg Spine*. 2005 Jan;2(1):11-6. PubMed PMID: 15658120.

764: Bailes JE, Miele VJ. The science of sports medicine. *Clin Neurosurg*. 2004;51:91-101. PubMed PMID: 15571132.

765: Miele VJ, Carson L, Carr A, Bailes JE. Acute on chronic subdural hematoma in a female boxer: a case report. *Med Sci Sports Exerc*. 2004 Nov;36(11):1852-5. PubMed PMID: 15514497.

766: Deci DM. Chronic subdural hematoma presenting as headache and cognitive impairment after minor head trauma. *W V Med J*. 2004 May-Jun;100(3):106-7. PubMed PMID: 15384743.

767: Miele VJ, Bendok B, Bloomfield SM, Ondra SL, Bailes JE. Ventriculoperitoneal shunt dysfunction in adults secondary to conditions causing a transient increase in intra-abdominal pressure: report of three cases. *Neurosurgery*. 2004 Aug;55(2):434. PubMed PMID: 15314826.

768: Ramsay AM, Meredith MA. Multiple sensory afferents to ferret pseudosylvian sulcal cortex. *Neuroreport*. 2004 Mar 1;15(3):461-5. PubMed PMID: 15094504.

769: Carr AM, Bailes JE, Helmkamp JC, Rosen CL, Miele VJ. Neurological injury and death in all-terrain vehicle crashes in West Virginia: a 10-year retrospective review. *Neurosurgery*. 2004 Apr;54(4):861-6; discussion 866-7. PubMed PMID: 15046651.

770: Jin XH, McGrath HE, Gildea JJ, Siragy HM, Felder RA, Carey RM. Renal interstitial guanosine cyclic 3', 5'-monophosphate mediates pressure-natriuresis via protein kinase G. *Hypertension*. 2004 May;43(5):1133-9. Epub 2004 Mar 8. PubMed PMID: 15007031.

771: Fletcher JC. Sham neurosurgery in Parkinson's disease: ethical at the time. *Am J Bioeth*. 2003 Autumn;3(4):54-6. PubMed PMID: 14744336.

772: Alway SE, Degens H, Krishnamurthy G, Chaudhrai A. Denervation stimulates apoptosis but not Id2 expression in hindlimb muscles of aged rats. *J Gerontol A Biol Sci Med Sci*. 2003 Aug;58(8):687-97. PubMed PMID: 12902526.

773: Ellegala DB, Leong-Poi H, Carpenter JE, Klibanov AL, Kaul S, Shaffrey ME, Sklenar J, Lindner JR. Imaging tumor angiogenesis with contrast ultrasound and microbubbles targeted to alpha(v)beta3. *Circulation*. 2003 Jul 22;108(3):336-41. Epub 2003 Jun 30. PubMed PMID: 12835208.

774: Dumont AS, Dumont RJ, Chow MM, Lin CL, Calisaneller T, Ley KF, Kassell NF, Lee KS. Cerebral vasospasm after subarachnoid hemorrhage: putative role of inflammation. *Neurosurgery*. 2003 Jul;53(1):123-33; discussion 133-5. Review. PubMed PMID: 12823881.

775: Thorner MO. Controversy: radiotherapy for acromegaly. *Clin Endocrinol (Oxf)*. 2003 Feb;58(2):136-7. PubMed PMID: 12580926.

776: Miele VJ, Bailes JE, Voelker JL. Boxing and the neurosurgeon. *Clin Neurosurg*. 2002;49:396-406. PubMed PMID: 12506564.

777: Bailes JE. Carotid endarterectomy. *Neurosurgery*. 2002 Jun;50(6):1290-5. Review. PubMed PMID: 12015848.

778: Prabhu VC, Bailes JE. Chronic subdural hematoma complicating arachnoid cyst secondary to soccer-related head injury: case report. *Neurosurgery*. 2002 Jan;50(1):195-7; discussion 197-8. PubMed PMID: 11844251.

779: Wilkinson CC, Multani J, Bailes JE. Chronic subdural hematoma presenting with symptoms of transient ischemic attack (TIA): a case report. *W V Med J*. 2001 Jul-Aug;97(4):194-6. PubMed PMID: 11558288.

780: Kaufman HH. The expert witness. Neither Frye nor Daubert solved the problem: what can be done? *Sci Justice*. 2001 Jan-Mar;41(1):7-20. PubMed PMID: 11215302.

781: Khosrovi H, Sadrolhefazi A, el-Kadi H, Bloomfield SM, Schochet SS. Intradural convexity chondroma: a case report and review of diagnostic features. *W V Med J*. 2000 Nov-Dec;96(6):612-6. Review. PubMed PMID: 11194092.

782: Bailes JE, Cantu RC. Head injury in athletes. *Neurosurgery*. 2001 Jan;48(1):26-45; discussion 45-6. Review. PubMed PMID: 11152359.

783: Voelker JL, Sambasivan M. The role of craniotomy and trephination in the treatment of chronic subdural hematoma. *Neurosurg Clin N Am*. 2000 Jul;11(3):535-40. PubMed PMID: 10918026.

784: Voelker JL. Nonoperative treatment of chronic subdural hematoma. *Neurosurg Clin N Am*. 2000 Jul;11(3):507-13. Review. PubMed PMID: 10918022.

785: Ogle RC. Craniofacial skeletal morphogenesis in vitro. *Methods Mol Biol*. 2000;136:55-9. Review.

PubMed PMID: 10840697.

786: Jackson EM, Bussard GM, Hoard MA, Edlich RF. Trigeminal neuralgia: a diagnostic challenge. *Am J Emerg Med*. 1999 Oct;17(6):597-600. Review. PubMed PMID: 10530544.

787: Riggs JE, Schochet SS Jr, Hogg JP. Delayed diffuse upper motor neuron syndrome after compressive thoracic myelopathy. *Mil Med*. 1999 Sep;164(9):666-8. PubMed PMID: 10495641.

788: Gupta NC, Nicholson P, Bloomfield SM. FDG-PET in the staging work-up of patients with suspected intracranial metastatic tumors. *Ann Surg*. 1999 Aug;230(2):202-6. PubMed PMID: 10450734; PubMed Central PMCID: PMC1420862.

789: Laws ER Jr. A neurosurgical way of life. The 1998 presidential address. *J Neurosurg*. 1998 Dec;89(6):901-10. PubMed PMID: 9833814.

790: Hochberg J, Ardenghy M, Yuen J, Gonzalez-Cruz R, Miura Y, Conrado RM, Pait TG. Muscle and musculocutaneous flap coverage of exposed spinal fusion devices. *Plast Reconstr Surg*. 1998 Aug;102(2):385-9; discussion 390-2. PubMed PMID: 9703074.

791: Zirpel L, Lippe WR, Rubel EW. Activity-dependent regulation of  $[Ca^{2+}]_i$  in avian cochlear nucleus neurons: roles of protein kinases A and C and relation to cell death. *J Neurophysiol*. 1998 May;79(5):2288-302. PubMed PMID: 9582205.

792: Voelker JL, Ortiz O. Delayed deterioration after head trauma due to traumatic aneurysm. *W V Med J*. 1997 Nov-Dec;93(6):317-9. PubMed PMID: 9439194.

793: Voelker JL, Kaufman HH. Intraparenchymal hemorrhage. *New Horiz*. 1997 Nov;5(4):342-51. Review. PubMed PMID: 9433986.

794: Fajardo LL, Bird RE, Herman CR, DeAngelis GA. Placement of endovascular embolization microcoils to localize the site of breast lesions removed at stereotactic core biopsy. *Radiology*. 1998 Jan;206(1):275-8. PubMed PMID: 9423683.

795: Killeffer JA, Kaufman HH. Inadvertent intraoperative myelography with Hypaque: case report and discussion. *Surg Neurol*. 1997 Jul;48(1):70-3. Review. PubMed PMID: 9199689.

796: Kaufman HH, Goodrich JT. Byron Stookey: "the old lion"—an unsung giant of neurosurgery. *Neurosurgery*. 1997 Feb;40(2):383-7; discussion 387-8. PubMed PMID: 9007874.

797: Macciocchi SN, Barth JT, Alves W, Rimel RW, Jane JA. Neuropsychological functioning and recovery after mild head injury in collegiate athletes. *Neurosurgery*. 1996 Sep;39(3):510-4. PubMed PMID: 8875480.

798: Hogg JP, Shank T, Gingold M, Bodensteiner J, Schochet SS, Kaufman HH. Childhood presentation of idiopathic epidural lipomatosis: a case report with magnetic resonance imaging and pathologic confirmation. *J Child Neurol*. 1996 May;11(3):236-40. PubMed PMID: 8734029.

799: Tanowitz M, Sun H, Mei L. Surgical denervation increases protein tyrosine phosphatase activity in skeletal muscle. *Brain Res*. 1996 Mar 18;712(2):299-306. PubMed PMID: 8814906.

800: Meeks RB 3rd, Schmidt JH 3rd. The difficult diagnosis of subdural empyema: report of three cases and review of the literature. *W V Med J*. 1996 Mar-Apr;92(2):87-8. Review. PubMed PMID:

8857176.

801: Kaufman HH. Care and variations in the care of patients with gunshot wounds to the brain. *Neurosurg Clin N Am*. 1995 Oct;6(4):727-39. Review. PubMed PMID: 8527914.

802: Kaufman HH, Levy ML, Stone JL, Masri LS, Lichtor T, Lavine SD, Fitzgerald LF, Apuzzo ML. Patients with Glasgow Coma Scale scores 3, 4, 5 after gunshot wounds to the brain. *Neurosurg Clin N Am*. 1995 Oct;6(4):701-14. Review. PubMed PMID: 8527912.

803: Chevalier RL, Thornhill BA. Ureteral obstruction in the neonatal rat: renal nerves modulate hemodynamic effects. *Pediatr Nephrol*. 1995 Aug;9(4):447-50. PubMed PMID: 7577407.

804: Chevalier RL, Thornhill BA. Ureteral obstruction in the neonatal guinea pig: interaction of sympathetic nerves and angiotensin. *Pediatr Nephrol*. 1995 Aug;9(4):441-6. PubMed PMID: 7577406.

805: Chang T, Sauer T, Schiff SJ. Tests for nonlinearity in short stationary time series. *Chaos*. 1995 Mar;5(1):118-126. PubMed PMID: 12780164.

806: Baertschi AJ, Pence RA. Gut-brain signaling of water absorption inhibits vasopressin in rats. *Am J Physiol*. 1995 Jan;268(1 Pt 2):R236-47. PubMed PMID: 7840327.

807: Tenschert S, Elger M, Lemley KV. Glomerular hypertrophy after subtotal nephrectomy: relationship to early glomerular injury. *Virchows Arch*. 1995;426(5):509-17. PubMed PMID: 7633661.

808: Messer EJ, Carlson RS, O'Keefe JS, Bill TJ, Luce CA, Thacker JG, Edlich RF. Evolution of powered surgical instruments. *J Long Term Eff Med Implants*. 1995;5(2):129-46. PubMed PMID: 10163357.

809: Pevehouse BC, Colenbrander A. The United States Neurological Surgery Residency Matching Program. *Neurosurgery*. 1994 Dec;35(6):1172-5; discussion 1175-82. PubMed PMID: 7885568.

810: Lurie DI, Rubel EW. Astrocyte proliferation in the chick auditory brainstem following cochlea removal. *J Comp Neurol*. 1994 Aug 8;346(2):276-88. PubMed PMID: 7962719.

811: Smith TS, Parker WD Jr, Bennett JP Jr. L-dopa increases nigral production of hydroxyl radicals in vivo: potential L-dopa toxicity? *Neuroreport*. 1994 Apr 14;5(8):1009-11. PubMed PMID: 8061280.

812: Lippe WR. Rhythmic spontaneous activity in the developing avian auditory system. *J Neurosci*. 1994 Mar;14(3 Pt 2):1486-95. PubMed PMID: 8126550.

813: Willison CD, Schochet SS Jr, Voelker JL. Cranial epidural fibrous tumor associated with hyperostosis: a case report. *Surg Neurol*. 1993 Dec;40(6):508-11. PubMed PMID: 8235976.

814: Yassini PR, Sauter K, Schochet SS, Kaufman HH, Bloomfield SM. Localized hypertrophic mononeuropathy involving spinal roots and associated with sacral meningocele. Case report. *J Neurosurg*. 1993 Nov;79(5):774-8. Review. PubMed PMID: 8410259.

815: Kaufman HH, McAllister P, Taylor H, Schmidt S. Intracerebral hematoma related to thrombolysis for myocardial infarction. *Neurosurgery*. 1993 Nov;33(5):898-900; discussion 900-1. PubMed PMID: 8264890.

816: Rish BL. The Vanderbilt University neurosurgical heritage. *J Neurosurg*. 1993 Sep;79(3):464-6. PubMed PMID: 8360750.

817: Demun EM, Redd JL, Buchanan KA, Brennan TJ, Rowlingson JC, Himel HN, Morgan RF, Edlich RF.

Reflex sympathetic dystrophy after a minor electric shock. *J Emerg Med.* 1993 Jul-Aug;11(4):393-6. PubMed PMID: 8228100.

818: Fisher M, Trimmer P, Ruthel G. Bergmann glia require continuous association with Purkinje cells for normal phenotype expression. *Glia.* 1993 Jul;8(3):172-82. PubMed PMID: 8225559.

819: Kaufman HH. Treatment of head injuries in the American Civil War. *J Neurosurg.* 1993 May;78(5):838-45. PubMed PMID: 8468618.

820: Kaufman HH, Voelker JL. Indications for carotid endarterectomy. *W V Med J.* 1993 Mar;89(3):106-8. PubMed PMID: 8475622.

821: Kaufman HH, Timberlake G, Voelker J, Pait TG. Medical complications of head injury. *Med Clin North Am.* 1993 Jan;77(1):43-60. Review. PubMed PMID: 8419723.

822: Larner JM, Berk HW, Agarwal SK, Steiner L. The dosimetric consequences of weighted fields using the same isocenter in radiosurgery. *Stereotact Funct Neurosurg.* 1993;61 Suppl 1:142-50. PubMed PMID: 8115746.

823: Cosgrove GR, Steiner L. Stereotactic microsurgical resection of cerebral lesions. *Stereotact Funct Neurosurg.* 1993;61(4):182-94. PubMed PMID: 7846381.

824: Mangiarua EI, Lee RM. Morphometric study of cerebral arteries from spontaneously hypertensive and stroke-prone spontaneously hypertensive rats. *J Hypertens.* 1992 Oct;10(10):1183-90. PubMed PMID: 1334999.

825: Kaufman HH, Herschberger J, Kopitnik T, McAllister P, Hogg J, Conner T. Chronic extradural haematomas: indications for surgery. *Br J Neurosurg.* 1992;6(4):359-64. Review. PubMed PMID: 1388831.

826: Hobson CE, Teague WG, Tribble CG, Mills SE, Chan B, Agee J, Flanagan TL, Kron IL. Denervation of transplanted porcine lung causes airway obstruction. *Ann Thorac Surg.* 1991 Dec;52(6):1295-9. PubMed PMID: 1755683.

827: Lee KS, Frank S, Vanderklish P, Arai A, Lynch G. Inhibition of proteolysis protects hippocampal neurons from ischemia. *Proc Natl Acad Sci U S A.* 1991 Aug 15;88(16):7233-7. PubMed PMID: 1871130; PubMed Central PMCID: PMC52268.

828: Choi-Kwon S, Baertschi AJ. Splanchnic osmosensation and vasopressin: mechanisms and neural pathways. *Am J Physiol.* 1991 Jul;261(1 Pt 1):E18-25. PubMed PMID: 1858871.

829: Kaufman HH, Lewin J, Munzner R, Pearson J, Sullivan R, Rector S, Vannoy DW, Frost JL, Brisell D. Ethical and legal responsibilities of the neurosurgeon: selected topics. *Neurosurgery.* 1991 Jun;28(6):918-23. PubMed PMID: 2067622.

830: Darnall RA, Green G, Pinto L, Hart N. Effect of acute hypoxia on respiration and brain stem blood flow in the piglet. *J Appl Physiol (1985).* 1991 Jan;70(1):251-9. PubMed PMID: 1901314.

831: Berman DE, Persing JA. Total cranial vault reconstruction for parietal encephalocele. *Plast Reconstr Surg.* 1990 Sep;86(3):554-7. PubMed PMID: 2385674.

832: Phillips LL, Steward O. Increases in mRNA for cytoskeletal proteins in the denervated neuropil of

the dentate gyrus: an in situ hybridization study using riboprobes for beta-actin and beta-tubulin. *Brain Res Mol Brain Res*. 1990 Aug;8(3):249-57. PubMed PMID: 2170803.

833: Berman B, Vaughan CL, Peacock WJ. The effect of rhizotomy on movement in patients with cerebral palsy. *Am J Occup Ther*. 1990 Jun;44(6):511-6. PubMed PMID: 2191597.

834: Ibayashi N, Herman MM, Boyd JC, Rubinstein LJ. Relationship of invasiveness to proliferating activity and to cytoskeletal protein production in human neuroepithelial tumors maintained in an organ culture system: use of human cortex and dura as supporting matrices. *Neurosurgery*. 1990 Apr;26(4):629-37. PubMed PMID: 2109841.

835: Helm GA, Palmer PE, Bennett JP Jr. Fetal neostriatal transplants in the rat: a light and electron microscopic Golgi study. *Neuroscience*. 1990;37(3):735-56. PubMed PMID: 1701040.

836: Chang HS, Steward O, Kassell NF. Decreases in excitatory synaptic transmission and increases in recurrent inhibition in the rat dentate gyrus after transient cerebral ischemia. *Brain Res*. 1989 Dec 29;505(2):220-4. PubMed PMID: 2598040.

837: Yamamoto M, Turner TT. Proluminal movement of 3H-androgen across the epididymal epithelium in the rat after hypophysectomy and gonadotropin supplementation. *Biol Reprod*. 1989 Sep;41(3):474-9. PubMed PMID: 2511935.

838: Chang HS, Sasaki T, Kassell NF. Hippocampal unit activity after transient cerebral ischemia in rats. *Stroke*. 1989 Aug;20(8):1051-8. PubMed PMID: 2547253.

839: Bonnin JM, Rubinstein LJ. Astroblastomas: a pathological study of 23 tumors, with a postoperative follow-up in 13 patients. *Neurosurgery*. 1989 Jul;25(1):6-13. PubMed PMID: 2755581.

840: Park TS, Cail WS, Broaddus WC, Walker MG. Lumboperitoneal shunt combined with myelotomy for treatment of syringohydromyelia. *J Neurosurg*. 1989 May;70(5):721-7. PubMed PMID: 2709113.

841: Tsukahara T, Hongo K, Kassell NF, Ogawa H. The influence of experimental subarachnoid hemorrhage on the relaxation induced by vasoactive intestinal polypeptide in the cerebral arteries of the rabbit. *Neurosurgery*. 1989 May;24(5):731-5. PubMed PMID: 2541369.

842: Green GA, Darnall RA, Bierd TB, Adams JM. Effect of aortic balloon inflation on ventilation and brain stem blood flow in piglets. *J Appl Physiol* (1985). 1989 May;66(5):2174-80. PubMed PMID: 2501276.

843: Delashaw JB, Persing JA, Broaddus WC, Jane JA. Cranial vault growth in craniosynostosis. *J Neurosurg*. 1989 Feb;70(2):159-65. PubMed PMID: 2913214.

844: Haworth CS, de Villiers JC. Stab wounds to the temporal fossa. *Neurosurgery*. 1988 Oct;23(4):431-5. PubMed PMID: 3200372.

845: Hongo K, Nakagomi T, Kassell NF, Sasaki T, Lehman M, Vollmer DG, Tsukahara T, Ogawa H, Torner J. Effects of aging and hypertension on endothelium-dependent vascular relaxation in rat carotid artery. *Stroke*. 1988 Jul;19(7):892-7. PubMed PMID: 3388460.

846: Wills MH, Korbon GA, Arasi R. Horner's syndrome resulting from a lumbar sympathetic block. *Anesthesiology*. 1988 Apr;68(4):613-4. PubMed PMID: 3354900.

847: Edlich RF, Stamp CV, Rodeheaver GT, Birk KA, Morgan RF. Large disposable trephines for circular

excision biopsy of the skin. Surg Gynecol Obstet. 1988 Jan;166(1):71-2. PubMed PMID: 3336818.

848: Haid RW Jr, Kaufman HH, Schochet SS Jr, Marano GD. Epidural lipomatosis simulating an epidural abscess: case report and literature review. Neurosurgery. 1987 Nov;21(5):744-7. PubMed PMID: 3696415.

849: Zuccarello M, Kassell NF, Sasaki T, Fujiwara S, Nakagomi T, Lehman RM. Barrier disruption in the major cerebral arteries after experimental subarachnoid hemorrhage in spontaneously hypertensive and normotensive rats. Neurosurgery. 1987 Oct;21(4):515-22. PubMed PMID: 3683785.

850: Delashaw JB, Park TS, Cail WM, Vollmer DG. Cervical meningocele and associated spinal anomalies. Childs Nerv Syst. 1987;3(3):165-9. PubMed PMID: 3652068.

851: Alves WM, Rimel RW, Nelson WE. University of Virginia prospective study of football-induced minor head injury: status report. Clin Sports Med. 1987 Jan;6(1):211-8. PubMed PMID: 3508105.

852: Winn HR, Rodeheaver G, Moore P, Wheeler C. A new model for experimental brain abscess in rats and mice. Surg Forum. 1978;29:500-2. PubMed PMID: 401417.

853: Butler AB, Bass NH, Johnson RN. Experimental subarachnoid hemorrhage in the rat: acute effects of blood components on mechanisms of cerebrospinal fluid absorption. Surg Forum. 1978;29:516-8. PubMed PMID: 233839.

854: Steward O, Scoville SA, Vinsant SL. Analysis of collateral projections with a double retrograde labeling technique. Neurosci Lett. 1977 Jun;5(1-2):1-5. PubMed PMID: 19604962.

From:  
<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:  
[https://neurosurgerywiki.com/wiki/doku.php?id=university\\_of\\_virginia\\_school\\_of\\_medicine](https://neurosurgerywiki.com/wiki/doku.php?id=university_of_virginia_school_of_medicine)

Last update: **2024/06/07 02:52**

