

# Vanderbilt University Medical Center publications

Dallas J, Mummareddy N, Yengo-Kahn AM, Dambrino RJ 4th, Lopez AM, Chambless LB, Berkman R, Chitale RV, Bonfield CM, Offodile RS, Durham S, Wellons JC 3rd, Thompson RC, Zuckerman SL. Neurosurgery Elective for Preclinical Medical Students With and Without a Home Neurosurgery Program. *World Neurosurg*. 2019 Jul 19. pii: S1878-8750(19)32018-2. doi: 10.1016/j.wneu.2019.07.112. [Epub ahead of print] PubMed PMID: 31330335.

2: Nogueira RG, Haussen DC, Castonguay A, Rebello LC, Abraham M, Puri A, Alshekhlee A, Majjhoo A, Farid H, Finch I, English J, Mokin M, Froehler MT, Kabbani M, Taqi MA, Vora N, Khoury RE, Edgell RC, Novakovic R, Nguyen T, Janardhan V, Veznedaroglu E, Prabhakaran S, Budzik R, Frankel MR, Nordhaus BL, Zaidat OO. Site Experience and Outcomes in the Trevo Acute Ischemic Stroke (TRACK) Multicenter Registry. *Stroke*. 2019 Jul 18;STROKEAHA118024639. doi: 10.1161/STROKEAHA.118.024639. [Epub ahead of print] PubMed PMID: 31318624.

3: Godil SS. Commentary: Essential Neurosurgery for Medical Students. *Oper Neurosurg (Hagerstown)*. 2019 Jul 18. pii: opz190. doi: 10.1093/ons/opz190. [Epub ahead of print] PubMed PMID: 31318025.

4: Donaldson K, Buchanich JM, Grigson PS, Deneke E, Donaldson K, Vrana KE, Sacks DB, Kuehn GJ, Cardamone D, Pesce A, Smiley S, Nickley J, Krock K, Thomas R, Wilkerson ML, Farag HA, Challa SR, Tice AM, Wolk DM, Prichard J, Grant ML, Regmi S, Kerbacher B, Quinton LE, Farag HA, Tice AM, Wolk DM, Olson J, Haynes A, Yu E, McCully KS, Assi J, Wong M, Zarrin-Khameh N, Nifong TP, Hawker CD, Carlton GT, Rivera JM, Foulis PR, Zuraw A, Morlote D, Peker D, Reddy V, Harada S, Crutchfield C, Zander D, Barbhuiya MA, Pederson EC, Straub ML, Scott SC, Neibauer TL, Salter WF, Creer MH, Zhu Y, Bornhorst JA, Theobald JP, Algeciras-Schimmich A, Cao L, Knox J, Hardy R, Texas HJ, McGuire MF, Hunter RL, Brown RE, Hicks J, Hicks J, Cai Z, Brown RE, Ali Y, Cheng KC, Katz SR, Ding Y, Vanselow DJ, Yakovlev MA, Lin AY, Clark DP, Vargas P, Xin X, Copper JE, Canfield VA, Ang KC, Wang Y, Xiao X, De Carlo F, van Rossum DB, La Rivière PJ, Newell J, Hossler C, Roche M, Warrick J, Phaeton R, Kesterson J, Donaldson K, Myers C, Barrios R, Mintz P, Robyak K, Hamilton C, McGhee P, Pederson C, Straub M, Scott S, Neibauer T, Salter W, Creer M, Zhu Y, Hamilton C, Robyak K, McGhee P, Pederson C, Straub M, Scott S, Neibauer T, Salter W, Creer M, Zhu Y, Singh N, Morlote D, Vnencak-Jones C, Yemelyanova A, Harada S, Shah M, Moghadamtousi SZ, Lan C, Duose D, Hu P, Esquenazi Y, Luthra R, Ballester LY, Koenig AN, Liu CG, Zhang J, Kalia A, Al-Habib A, Van Arsdall M, Dhingra S, Patel K, Tatevian N. Abstracts of Presentations at the Association of Clinical Scientists 139(th) Meeting Hershey, PA, May 15-18, 2019. *Ann Clin Lab Sci*. 2019 May;49(3):403-416. PubMed PMID: 31308044.

5: Kelly PD, Voce DJ, Sivaganesan A, Wellons JC 3rd. The Legacy of a Neurosurgeon: A U.S.-Based Obituary Analysis. *World Neurosurg*. 2019 Jul 9. pii: S1878-8750(19)31940-0. doi: 10.1016/j.wneu.2019.07.034. [Epub ahead of print] PubMed PMID: 31299311.

6: Khan I, Sivaganesan A, Archer KR, Bydon M, McGirt MJ, Nian H, Harrell FE, Foley KT, Mummaneni PV, Bisson EF, Shaffrey C, Harbaugh R, Asher AL, Devin CJ; QOD Vanguard Sites . Does Neck Disability Index Correlate With 12-Month Satisfaction After Elective Surgery for Cervical Radiculopathy? Results From a National Spine Registry. *Neurosurgery*. 2019 Jul 3. pii: nyz231. doi: 10.1093/neuros/nyz231. [Epub ahead of print] PubMed PMID: 31268151.

7: Gerges MM, Godil SS, Rumalla K, Liechty B, Pisapia DJ, Magge RS, Schwartz TH. Genomic profile of a

primary squamous cell carcinoma arising from malignant transformation of a pineal epidermoid cyst. *Acta Neurochir (Wien)*. 2019 Jul 2. doi: 10.1007/s00701-019-03983-5. [Epub ahead of print] PubMed PMID: 31267186.

8: Tetreault L, Lange SF, Chotai S, Kryshtalskyj MT, Martin AR, Ahuja CS, Wilson JR, Davies BM, Nouri A, Devin C, Fehlings MG. A Systematic Review of Definitions for Neurological Complications and Disease Progression in Patients Treated Surgically for Degenerative Cervical Myelopathy. *Spine (Phila Pa 1976)*. 2019 Jun 27. doi: 10.1097/BRS.0000000000003066. [Epub ahead of print] PubMed PMID: 31261274.

9: Patrinely JR Jr, Drolet BC, Perdakis G, Janis J. Ethics Education in Plastic Surgery Training Programs. *Plast Reconstr Surg*. 2019 Jun 17. doi: 10.1097/PRS.0000000000005928. [Epub ahead of print] PubMed PMID: 31232844.

10: Bow H, Zuckerman SL, Griffith B, Lewis S, McGruder C, Pruthi S, Parker SL. A 3D-Printed Simulator and Teaching Module for Placing S2-Alar-Iliac Screws. *Oper Neurosurg (Hagerstown)*. 2019 Jun 24. pii: opz161. doi: 10.1093/ons/opz161. [Epub ahead of print] PubMed PMID: 31232434.

11: Khattab MH, Sherry AD, Whitaker R, Wharton DM, Weaver KD, Chambless LB, Cmelak AJ, Attia A. A Retrospective Cohort Study of Longitudinal Audiologic Assessment in Single and Fractionated Stereotactic Radiosurgery for Vestibular Schwannoma. *Neurosurgery*. 2019 Jun 19. pii: nyz219. doi: 10.1093/neuros/nyz219. [Epub ahead of print] PubMed PMID: 31215628.

12: Fecci PE, Champion CD, Hoj J, McKernan C, Goodwin CR, Kirkpatrick J, Anders CK, Pendergast AM, Sampson JH. The Evolving Modern Management of Brain Metastasis. *Clin Cancer Res*. 2019 Jun 18. pii: clincanres.1624.2019. doi: 10.1158/1078-0432.CCR-18-1624. [Epub ahead of print] PubMed PMID: 31213459.

13: Lakomkin N, Zuckerman SL, Stannard B, Montejo J, Sussman ES, Virojanapa J, Kuzmik G, Goz V, Hadjipanayis CG, Cheng JS. Preoperative Risk Stratification in Spine Tumor Surgery: A Comparison of the Modified Charlson Index, Frailty Index, and ASA Score. *Spine (Phila Pa 1976)*. 2019 Jul 1;44(13):E782-E787. doi: 10.1097/BRS.0000000000002970. PubMed PMID: 31205174.

14: Morgan VL, Rogers BP, González HFJ, Goodale SE, Englot DJ. Characterization of postsurgical functional connectivity changes in temporal lobe epilepsy. *J Neurosurg*. 2019 Jun 14:1-11. doi: 10.3171/2019.3.JNS19350. [Epub ahead of print] PubMed PMID: 31200384.

15: Pennings JS, Devin CJ, Khan I, Bydon M, Asher AL, Archer KR. Prediction of Oswestry Disability Index (ODI) using PROMIS-29 in a national sample of lumbar spine surgery patients. *Qual Life Res*. 2019 Jun 6. doi: 10.1007/s11136-019-02223-8. [Epub ahead of print] PubMed PMID: 31190294.

16: Attia A, Brown P. Two Cents on the Conundrum. *Int J Radiat Oncol Biol Phys*. 2019 Jul 1;104(3):483. doi: 10.1016/j.ijrobp.2018.02.161. PubMed PMID: 31162053.

17: Nelson LD, Temkin NR, Dikmen S, Barber J, Giacino JT, Yuh E, Levin HS, McCrea MA, Stein MB, Mukherjee P, Okonkwo DO, Diaz-Arrastia R, Manley GT; and the TRACK-TBI Investigators, Adeoye O, Badjatia N, Boase K, Bodien Y, Bullock MR, Chesnut R, Corrigan JD, Crawford K; MIS, Duhaime AC, Ellenbogen R, Feeser VR, Ferguson A, Foreman B, Gardner R, Gaudette E, Gonzalez L, Gopinath S, Gullapalli R, Hemphill JC, Hotz G, Jain S, Korley F, Kramer J, Kreitzer N, Lindsell C, Machamer J, Madden C, Martin A, McAllister T, Merchant R, Noel F, Palacios E, Perl D, Puccio A, Rabinowitz M, Robertson CS, Rosand J, Sander A, Satris G, Schnyer D, Seabury S, Sherer M, Taylor S, Toga A, Valadka A, Vassar MJ,

Vespa P, Wang K, Yue JK, Zafonte R. Recovery After Mild Traumatic Brain Injury in Patients Presenting to US Level I Trauma Centers: A Transforming Research and Clinical Knowledge in Traumatic Brain Injury (TRACK-TBI) Study. *JAMA Neurol.* 2019 Jun 3. doi: 10.1001/jamaneurol.2019.1313. [Epub ahead of print] PubMed PMID: 31157856; PubMed Central PMCID: PMC6547159.

18: Kelly PD, Zuckerman SL, Yamada Y, Lis E, Bilsky MH, Laufer I, Barzilai O. Image guidance in spine tumor surgery. *Neurosurg Rev.* 2019 Jun 1. doi: 10.1007/s10143-019-01123-2. [Epub ahead of print] Review. PubMed PMID: 31154546.

19: Aleksonis HA, Wier R, Pearson MM, Cannistraci CJ, Anderson AW, Kuttesch JF, Compas BE, Hoskinson KR. Associations among diffusion tensor imaging and neurocognitive function in survivors of pediatric brain tumor: A pilot study. *Appl Neuropsychol Child.* 2019 May 30:1-12. doi: 10.1080/21622965.2019.1613993. [Epub ahead of print] PubMed PMID: 31146596.

20: Capoor MN, Lochman J, McDowell A, Schmitz JE, Solansky M, Zapletalova M, Alamin TF, Coscia MF, Garfin SR, Jancalok R, Ruzicka F, Shamie AN, Smrcka M, Wang JC, Birkenmaier C, Slaby O. Correction to: Intervertebral disc penetration by antibiotics used prophylactically in spinal surgery: implications for the current standards and treatment of disc infections. *Eur Spine J.* 2019 Jun;28(6):1546-1547. doi: 10.1007/s00586-019-05991-6. PubMed PMID: 31134342.

21: Bell JS, Koffie RM, Rattani A, Dewan MC, Baticulon RE, Qureshi MM, Wahjoepramono EJ, Rosseau G, Park K, Nahed BV. Global incidence of brain and spinal tumors by geographic region and income level based on cancer registry data. *J Clin Neurosci.* 2019 Aug;66:121-127. doi: 10.1016/j.jocn.2019.05.003. Epub 2019 May 24. PubMed PMID: 31133367.

22: Johnson KA, Fletcher PT, Servello D, Bona A, Porta M, Ostrem JL, Bardinet E, Welter ML, Lozano AM, Baldermann JC, Kuhn J, Huys D, Foltynie T, Hariz M, Joyce EM, Zrinzo L, Kefalopoulou Z, Zhang JG, Meng FG, Zhang C, Ling Z, Xu X, Yu X, Smeets AY, Ackermans L, Visser-Vandewalle V, Mogilner AY, Pourfar MH, Almeida L, Gunduz A, Hu W, Foote KD, Okun MS, Butson CR. Image-based analysis and long-term clinical outcomes of deep brain stimulation for Tourette syndrome: a multisite study. *J Neurol Neurosurg Psychiatry.* 2019 May 25. pii: jnnp-2019-320379. doi: 10.1136/jnnp-2019-320379. [Epub ahead of print] PubMed PMID: 31129620.

23: Berkman JM, Dallas J, Lim J, Bhatia R, Gaulden A, Gannon SR, Shannon CN, Esbenshade AJ, Wellons JC. Social determinants of health affecting treatment of pediatric brain tumors. *J Neurosurg Pediatr.* 2019 May 24:1-7. doi: 10.3171/2019.4.PEDS18594. [Epub ahead of print] PubMed PMID: 31125958.

24: Ruden JB, Quick KL, Gonzales ER, Shah AR, Park TS, Kennedy N, Dugan LL, Gidday JM. Reduction of Leukocyte Microvascular Adherence and Preservation of Blood-Brain Barrier Function by Superoxide-Lowering Therapies in a Piglet Model of Neonatal Asphyxia. *Front Neurol.* 2019 May 1;10:447. doi: 10.3389/fneur.2019.00447. eCollection 2019. PubMed PMID: 31118919; PubMed Central PMCID: PMC6504682.

25: Schneider BJ, Ehsanian R, Huynh L, Levin J, Zheng P, Kennedy DJ. Pain and Functional Outcomes After Sacroiliac Joint Injection with Anesthetic and Corticosteroid at Six Months, Stratified by Anesthetic Response and Physical Exam Maneuvers. *Pain Med.* 2019 May 20. pii: pnz111. doi: 10.1093/pm/pnz111. [Epub ahead of print] PubMed PMID: 31106837.

26: Mummareddy N, Dewan MC, Huang A, Basem J, Bennett KA, Shannon CN, Wellons JC. Intrauterine closure of myelomeningocele is associated with superior long-term quality of life than postnatal closure: a single-center study. *J Neurosurg Pediatr.* 2019 May 17:1-5. doi: 10.3171/2019.4.PEDS18770. [Epub ahead of print] PubMed PMID: 31100721.

- 27: González HFJ, Goodale SE, Jacobs ML, Haas KF, Landman BA, Morgan VL, Englot DJ. Brainstem Functional Connectivity Disturbances in Epilepsy may Recover After Successful Surgery. *Neurosurgery*. 2019 May 16. pii: nyz128. doi: 10.1093/neuros/nyz128. [Epub ahead of print] PubMed PMID: 31093673.
- 28: Zhang CQ, McMahon B, Dong H, Warner T, Shen W, Gallagher M, Macdonald RL, Kang JQ. Molecular basis for and chemogenetic modulation of comorbidities in GABRG2-deficient epilepsies. *Epilepsia*. 2019 Jun;60(6):1137-1149. doi: 10.1111/epi.15160. Epub 2019 May 14. PubMed PMID: 31087664.
- 29: Punchak M, Mbabazi Kabachelor E, Ogwal M, Nalule E, Nalwoga J, Ssenyonga P, Mugamba J, Rattani A, Dewan MC, Kulkarni AV, Schiff SJ, Warf B. The Incidence of Postoperative Seizures Following Treatment of Postinfectious Hydrocephalus in Ugandan Infants: A Post Hoc Comparison of Endoscopic Treatment vs Shunt Placement in a Randomized Controlled Trial. *Neurosurgery*. 2019 May 13. pii: nyz122. doi: 10.1093/neuros/nyz122. [Epub ahead of print] PubMed PMID: 31086941.
- 30: Rankin TM, Wormer BA, Tokin C, Kaoutzanis C, Al Kassis S, Wellons JC 3rd, Braun S. Quadruple Perforator Flaps for Primary Closure of Large Myelomeningoceles: An Evaluation of the Butterfly Flap Technique. *Ann Plast Surg*. 2019 Jun;82(6S Suppl 5):S389-S393. doi: 10.1097/SAP.0000000000001668. PubMed PMID: 31085942.
- 31: Short B, Kozek L, Harmsen H, Zhang B, Wong M, Ess KC, Fu C, Naftel R, Pearson MM, Carson RP. Cerebral aquaporin-4 expression is independent of seizures in tuberous sclerosis complex. *Neurobiol Dis*. 2019 Sep;129:93-101. doi: 10.1016/j.nbd.2019.05.003. Epub 2019 May 9. PubMed PMID: 31078684.
- 32: Wier R, Aleksonis HA, Pearson MM, Cannistraci CJ, Anderson AW, Kuttesch JF Jr, Compas BE, Hoskinson KR. Fronto-limbic white matter microstructure, behavior, and emotion regulation in survivors of pediatric brain tumor. *J Neurooncol*. 2019 Jul;143(3):483-493. doi: 10.1007/s11060-019-03180-5. Epub 2019 May 9. PubMed PMID: 31073964.
- 33: Waddle SL, Juttukonda MR, Lants SK, Davis LT, Chitale R, Fusco MR, Jordan LC, Donahue MJ. Classifying intracranial stenosis disease severity from functional MRI data using machine learning. *J Cereb Blood Flow Metab*. 2019 May 8;271678x19848098. doi: 10.1177/0271678x19848098. [Epub ahead of print] PubMed PMID: 31068081.
- 34: Mikati AG, Flahive J, Khan MW, Vedantam A, Gopinath S, Nordness MF, Robertson C, Patel MB, Sheth KN, Muehlschlegel S. Multicenter Validation of the Survival After Acute Civilian Penetrating Brain Injuries (SPIN) Score. *Neurosurgery*. 2019 May 7. pii: nyz127. doi: 10.1093/neuros/nyz127. [Epub ahead of print] PubMed PMID: 31065707.
- 35: Mistry AM, Kelly PD, Gallant JN, Mummareddy N, Mobley BC, Thompson RC, Chambless LB. Comparative Analysis of Subventricular Zone Glioblastoma Contact and Ventricular Entry During Resection in Predicting Dissemination, Hydrocephalus, and Survival. *Neurosurgery*. 2019 May 6. pii: nyz144. doi: 10.1093/neuros/nyz144. [Epub ahead of print] PubMed PMID: 31058968.
- 36: Owen GD, Stollings JL, Rakhit S, Wang L, Yu C, Hosay MA, Stewart JW, Frutos-Vivar F, Peñuelas O, Esteban A, Anzueto AR, Raymonds K, Rios F, Thille AW, González M, Du B, Maggiore SM, Matamis D, Abroug F, Amin P, Zeggwagh AA, Patel MB. International Analgesia, Sedation, and Delirium Practices: a prospective cohort study. *J Intensive Care*. 2019 Apr 24;7:25. doi: 10.1186/s40560-019-0379-z. eCollection 2019. PubMed PMID: 31049203; PubMed Central PMCID: PMC6480848.

37: Möller HE, Bossoni L, Connor JR, Crichton RR, Does MD, Ward RJ, Zecca L, Zucca FA, Ronen I. Iron, Myelin, and the Brain: Neuroimaging Meets Neurobiology. *Trends Neurosci.* 2019 Jun;42(6):384-401. doi: 10.1016/j.tins.2019.03.009. Epub 2019 Apr 29. Review. PubMed PMID: 31047721.

38: Stahl EA, Breen G, Forstner AJ, McQuillin A, Ripke S, Trubetskoy V, Mattheisen M, Wang Y, Coleman JRI, Gaspar HA, de Leeuw CA, Steinberg S, Pavlides JMW, Trzaskowski M, Byrne EM, Pers TH, Holmans PA, Richards AL, Abbott L, Agerbo E, Akil H, Albani D, Alliey-Rodriguez N, Als TD, Anjorin A, Antilla V, Awasthi S, Badner JA, Bækvad-Hansen M, Barchas JD, Bass N, Bauer M, Belliveau R, Bergen SE, Pedersen CB, Bøen E, Boks MP, Boocock J, Budde M, Bunney W, Burmeister M, Bybjerg-Grauholm J, Byerley W, Casas M, Cerrato F, Cervantes P, Chambert K, Charney AW, Chen D, Churchhouse C, Clarke TK, Coryell W, Craig DW, Cruceanu C, Curtis D, Czerski PM, Dale AM, de Jong S, Degenhardt F, Del-Favero J, DePaulo JR, Djurovic S, Dobbyn AL, Dumont A, Elvsåshagen T, Escott-Price V, Fan CC, Fischer SB, Flickinger M, Foroud TM, Forty L, Frank J, Fraser C, Freimer NB, Frisén L, Gade K, Gage D, Garnham J, Giambartolomei C, Pedersen MG, Goldstein J, Gordon SD, Gordon-Smith K, Green EK, Green MJ, Greenwood TA, Grove J, Guan W, Guzman-Parra J, Hamshire ML, Hautzinger M, Heilbronner U, Herms S, Hipolito M, Hoffmann P, Holland D, Huckins L, Jamain S, Johnson JS, Juréus A, Kandaswamy R, Karlsson R, Kennedy JL, Kittel-Schneider S, Knowles JA, Kogevinas M, Koller AC, Kupka R, Lavebratt C, Lawrence J, Lawson WB, Leber M, Lee PH, Levy SE, Li JZ, Liu C, Lucae S, Maaser A, MacIntyre DJ, Mahon PB, Maier W, Martinsson L, McCarroll S, McGuffin P, McInnis MG, McKay JD, Medeiros H, Medland SE, Meng F, Milani L, Montgomery GW, Morris DW, Mühleisen TW, Mullins N, Nguyen H, Nievergelt CM, Adolfsson AN, Nwulia EA, O'Donovan C, Loohuis LMO, Ori APS, Oruc L, Ösby U, Perlis RH, Perry A, Pfennig A, Potash JB, Purcell SM, Regeer EJ, Reif A, Reinbold CS, Rice JP, Rivas F, Rivera M, Roussos P, Ruderfer DM, Ryu E, Sánchez-Mora C, Schatzberg AF, Scheftner WA, Schork NJ, Shannon Weickert C, Shekhtman T, Shilling PD, Sigurdsson E, Slaney C, Smeland OB, Sobell JL, Sørensen Hansen C, Spijker AT, St Clair D, Steffens M, Strauss JS, Streit F, Strohmaier J, Szelinger S, Thompson RC, Thorgeirsson TE, Treutlein J, Vedder H, Wang W, Watson SJ, Weickert TW, Witt SH, Xi S, Xu W, Young AH, Zandi P, Zhang P, Zöllner S; eQTLGen Consortium; BIOS Consortium, Adolfsson R, Agartz I, Alda M, Backlund L, Baune BT, Bellivier F, Berrettini WH, Biernacka JM, Blackwood DHR, Boehnke M, Børghlum AD, Corvin A, Craddock N, Daly MJ, Dannlowski U, Esko T, Etain B, Frye M, Fullerton JM, Gershon ES, Gill M, Goes F, Grigoriou-Serbanescu M, Hauser J, Hougaard DM, Hultman CM, Jones I, Jones LA, Kahn RS, Kirov G, Landén M, Leboyer M, Lewis CM, Li QS, Lissowska J, Martin NG, Mayoral F, McElroy SL, McIntosh AM, McMahon FJ, Melle I, Metspalu A, Mitchell PB, Morken G, Mors O, Mortensen PB, Müller-Myhsok B, Myers RM, Neale BM, Nimgaonkar V, Nordentoft M, Nöthen MM, O'Donovan MC, Oedegaard KJ, Owen MJ, Paciga SA, Pato C, Pato MT, Posthuma D, Ramos-Quiroga JA, Ribasés M, Rietschel M, Rouleau GA, Schalling M, Schofield PR, Schulze TG, Serretti A, Smoller JW, Stefansson H, Stefansson K, Stordal E, Sullivan PF, Turecki G, Vaaler AE, Vieta E, Vincent JB, Werge T, Nurnberger JL, Wray NR, Di Florio A, Edenberg HJ, Cichon S, Ophoff RA, Scott LJ, Andreassen OA, Kelsoe J, Sklar P; Bipolar Disorder Working Group of the Psychiatric Genomics Consortium. Genome-wide association study identifies 30 loci associated with bipolar disorder. *Nat Genet.* 2019 May;51(5):793-803. doi: 10.1038/s41588-019-0397-8. Epub 2019 May 1. PubMed PMID: 31043756.

39: Dickerson JC, Harriel KL, Dambrino RJ, Taylor LI, Rimes JA, Chapman RW, Desrosiers AS, Tullis JE, Washington CW. Screening duplex ultrasonography in neurosurgery patients does not correlate with a reduction in pulmonary embolism rate or decreased mortality. *J Neurosurg.* 2019 Apr 26;1-9. doi: 10.3171/2018.12.JNS182800. [Epub ahead of print] PubMed PMID: 31026839.

40: Alber J, Alladi S, Bae HJ, Barton DA, Beckett LA, Bell JM, Berman SE, Biessels GJ, Black SE, Bos I, Bowman GL, Brai E, Brickman AM, Callahan BL, Corriveau RA, Fossati S, Gottesman RF, Gustafson DR, Hachinski V, Hayden KM, Helman AM, Hughes TM, Isaacs JD, Jefferson AL, Johnson SC, Kapasi A, Kern S, Kwon JC, Kukolja J, Lee A, Lockhart SN, Murray A, Osborn KE, Power MC, Price BR, Rhodius-Meester HFM, Rondeau JA, Rosen AC, Rosene DL, Schneider JA, Scholtzova H, Shaaban CE, Silva NCBS, Snyder

HM, Swardfager W, Troen AM, van Veluw SJ, Vemuri P, Wallin A, Wellington C, Wilcock DM, Xie SX, Hainsworth AH. White matter hyperintensities in vascular contributions to cognitive impairment and dementia (VCID): Knowledge gaps and opportunities. *Alzheimers Dement (N Y)*. 2019 Apr 9;5:107-117. doi: 10.1016/j.trci.2019.02.001. eCollection 2019. Review. PubMed PMID: 31011621; PubMed Central PMCID: PMC6461571.

41: Hale AT, Stanton AN, Zhao S, Haji F, Gannon SR, Arynchyna A, Wellons JC, Rocque BG, Naftel RP. Predictors of endoscopic third ventriculostomy ostomy status in patients who experience failure of endoscopic third ventriculostomy with choroid plexus cauterization. *J Neurosurg Pediatr*. 2019 Apr 19:1-6. doi: 10.3171/2019.2.PEDS18743. [Epub ahead of print] PubMed PMID: 31003223.

42: Frisken S, Luo M, Machado I, Unadkat P, Juvekar P, Bunevicius A, Toews M, Wells WM, Miga MI, Golby AJ. Preliminary Results Comparing Thin Plate Splines with Finite Element Methods for Modeling Brain Deformation during Neurosurgery using Intraoperative Ultrasound. *Proc SPIE Int Soc Opt Eng*. 2019 Feb;10951. pii: 1095120. doi: 10.1117/12.2512799. Epub 2019 Mar 8. PubMed PMID: 31000909; PubMed Central PMCID: PMC6467062.

43: Harward SC, Englot DJ. In Reply: Seizure Outcomes in Occipital Lobe and Posterior Quadrant Epilepsy Surgery: A Systematic Review and Meta-Analysis. *Neurosurgery*. 2019 Jun 1;84(6):E449. doi: 10.1093/neuros/nyz066. PubMed PMID: 30968144.

44: Ostrom QT, Egan KM, Nabors LB, Gerke T, Thompson RC, Olson JJ, LaRocca R, Chowdhary S, Eckel-Passow JE, Armstrong G, Wiencke JK, Bernstein JL, Claus EB, Il'yasova D, Johansen C, Lachance DH, Lai RK, Merrell RT, Olson SH, Sadetzki S, Schildkraut JM, Shete S, Houlston RS, Jenkins RB, Wrensch MR, Melin B, Amos CI, Huse JT, Barnholtz-Sloan JS, Bondy ML. Glioma risk associated with extent of estimated European genetic ancestry in African Americans and Hispanics. *Int J Cancer*. 2019 Apr 9. doi: 10.1002/ijc.32318. [Epub ahead of print] PubMed PMID: 30963577.

45: Hughes RT, Masters AH, McTyre ER, Farris MK, Chung C, Page BR, Kleinberg LR, Hepel J, Contessa JN, Chiang V, Ruiz J, Watabe K, Su J, Fiveash JB, Braunstein S, Chao S, Attia A, Ayala-Peacock DN, Chan MD. Initial SRS for Patients With 5 to 15 Brain Metastases: Results of a Multi-Institutional Experience. *Int J Radiat Oncol Biol Phys*. 2019 Aug 1;104(5):1091-1098. doi: 10.1016/j.ijrobp.2019.03.052. Epub 2019 Apr 6. PubMed PMID: 30959122.

46: Das S; Extracellular RNA Communication Consortium, Ansel KM, Bitzer M, Breakefield XO, Charest A, Galas DJ, Gerstein MB, Gupta M, Milosavljevic A, McManus MT, Patel T, Raffai RL, Rozowsky J, Roth ME, Saugstad JA, Van Keuren-Jensen K, Weaver AM, Laurent LC. The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. *Cell*. 2019 Apr 4;177(2):231-242. doi: 10.1016/j.cell.2019.03.023. Review. PubMed PMID: 30951667; PubMed Central PMCID: PMC6601620.

47: Voce DJ, Bernal GM, Wu L, Crawley CD, Zhang W, Mansour NM, Cahill KE, Szymura SJ, Uppal A, Raleigh DR, Spretz R, Nunez L, Larsen G, Khodarev NN, Weichselbaum RR, Yamini B. Temozolomide Treatment Induces lncRNA MALAT1 in an NF- $\kappa$ B and p53 Codependent Manner in Glioblastoma. *Cancer Res*. 2019 May 15;79(10):2536-2548. doi: 10.1158/0008-5472.CAN-18-2170. Epub 2019 Apr 2. PubMed PMID: 30940658; PubMed Central PMCID: PMC6522287.

48: Lawrenson K, Song F, Hazelett DJ, Kar SP, Tyrer J, Phelan CM, Corona RI, Rodríguez-Malavé NI, Seo JH, Adler E, Coetzee SG, Segato F, Fonseca MAS, Amos CI, Carney ME, Chenevix-Trench G, Choi J, Doherty JA, Jia W, Jin GJ, Kim BG, Le ND, Lee J, Li L, Lim BK, Adenan NA, Mizuno M, Park B, Pearce CL, Shan K, Shi Y, Shu XO, Sieh W; Australian Ovarian Cancer Study Group, Thompson PJ, Wilkens LR, Wei

Q, Woo YL, Yan L, Karlan BY, Freedman ML, Noushmehr H, Goode EL, Berchuck A, Sellers TA, Teo SH, Zheng W, Matsuo K, Park S, Chen K, Pharoah PDP, Gayther SA, Goodman MT. Genome-wide association studies identify susceptibility loci for epithelial ovarian cancer in east Asian women. *Gynecol Oncol*. 2019 May;153(2):343-355. doi: 10.1016/j.ygyno.2019.02.023. Epub 2019 Mar 19. PubMed PMID: 30898391.

49: Holste K, Chan AY, Rolston JD, Englot DJ. Pain Outcomes Following Microvascular Decompression for Drug-Resistant Trigeminal Neuralgia: A Systematic Review and Meta-Analysis. *Neurosurgery*. 2019 Mar 20. pii: nyz075. doi: 10.1093/neuros/nyz075. [Epub ahead of print] PubMed PMID: 30892607.

50: Hale AT, Sen S, Haider AS, Perkins FF, Clarke DF, Lee MR, Tomycz LD. Open Resection vs Laser Interstitial Thermal Therapy for the Treatment of Pediatric Insular Epilepsy. *Neurosurgery*. 2019 Mar 19. pii: nyz094. doi: 10.1093/neuros/nyz094. [Epub ahead of print] PubMed PMID: 30888028.

51: Chotai S, Khan I, Nian H, Archer KR, Harrell FE, Weisenthal BM, Bydon M, Asher AL, Devin CJ. Utility of Anxiety/Depression Domain of EQ-5D to Define Psychological Distress in Spine Surgery. *World Neurosurg*. 2019 Mar 14. pii: S1878-8750(19)30685-0. doi: 10.1016/j.wneu.2019.02.211. [Epub ahead of print] PubMed PMID: 30880196.

52: Mistry AM. On the subventricular zone origin of human glioblastoma. *Transl Cancer Res*. 2019 Feb;8(1):11-13. doi: 10.21037/tcr.2018.11.31. PubMed PMID: 30873355; PubMed Central PMCID: PMC6414072.

53: Brett BL, Wilmoth K, Cummings P, Solomon GS, McCrea MA, Zuckerman SL. The Neuropathological and Clinical Diagnostic Criteria of Chronic Traumatic Encephalopathy: A Critical Examination in Relation to Other Neurodegenerative Diseases. *J Alzheimers Dis*. 2019;68(2):591-608. doi: 10.3233/JAD-181058. PubMed PMID: 30856113.

54: Pourtaheri N, Wang DZ, Lesko RP, Bonfield CM, Taub P, Kumar AR. Unilateral Coronal Craniosynostosis in an Apert-Like Patient. *Plast Surg (Oakv)*. 2019 Feb;27(1):78-82. doi: 10.1177/2292550318800322. Epub 2018 Oct 3. PubMed PMID: 30854365; PubMed Central PMCID: PMC6399773.

55: Hale AT, Say I, Shah S, Dewan MC, Anderson RCE, Tomycz LD. Traumatic Occipitocervical Distraction Injuries in Children: A Systematic Review. *Pediatr Neurosurg*. 2019;54(2):75-84. doi: 10.1159/000496832. Epub 2019 Mar 7. PubMed PMID: 30844793.

56: Kreitzer N, Rath K, Kurowski BG, Bakas T, Hart K, Lindsell CJ, Adeoye O. Rehabilitation Practices in Patients With Moderate and Severe Traumatic Brain Injury. *J Head Trauma Rehabil*. 2019 Feb 27. doi: 10.1097/HTR.0000000000000477. [Epub ahead of print] PubMed PMID: 30829824.

57: Yu D, Sul JH, Tsetsos F, Nawaz MS, Huang AY, Zelaya I, Illmann C, Osiecki L, Darrow SM, Hirschtritt ME, Greenberg E, Muller-Vahl KR, Stuhmann M, Dion Y, Rouleau G, Aschauer H, Stamenkovic M, Schlögelhofer M, Sandor P, Barr CL, Grados M, Singer HS, Nöthen MM, Hebebrand J, Hinney A, King RA, Fernandez TV, Barta C, Tarnok Z, Nagy P, Depienne C, Worbe Y, Hartmann A, Budman CL, Rizzo R, Lyon GJ, McMahon WM, Batterson JR, Cath DC, Malaty IA, Okun MS, Berlin C, Woods DW, Lee PC, Jankovic J, Robertson MM, Gilbert DL, Brown LW, Coffey BJ, Dietrich A, Hoekstra PJ, Kuperman S, Zinner SH, Luđvigsson P, Sæmundsen E, Thorarensen Ó, Atzmon G, Barzilai N, Wagner M, Moessner R, Ophoff R, Pato CN, Pato MT, Knowles JA, Roffman JL, Smoller JW, Buckner RL, Willsey AJ, Tischfield JA, Heiman GA, Stefansson H, Stefansson K, Posthuma D, Cox NJ, Pauls DL, Freimer NB, Neale BM, Davis LK, Paschou P, Coppola G, Mathews CA, Scharf JM; Tourette Association of America International Consortium for Genetics, the Gilles de la Tourette GWAS Replication Initiative, the Tourette

International Collaborative Genetics Study, and the Psychiatric Genomics Consortium Tourette Syndrome Working Group. Interrogating the Genetic Determinants of Tourette's Syndrome and Other Tic Disorders Through Genome-Wide Association Studies. *Am J Psychiatry*. 2019 Mar 1;176(3):217-227. doi: 10.1176/appi.ajp.2018.18070857. PubMed PMID: 30818990.

58: Lahiri S, Regis GC, Koronyo Y, Fuchs DT, Sheyn J, Kim EH, Mastali M, Van Eyk JE, Rajput PS, Lyden PD, Black KL, Ely EW, D Jones H, Koronyo-Hamaoui M. Acute neuropathological consequences of short-term mechanical ventilation in wild-type and Alzheimer's disease mice. *Crit Care*. 2019 Feb 22;23(1):63. doi: 10.1186/s13054-019-2356-2. PubMed PMID: 30795776; PubMed Central PMCID: PMC6387486.

59: Menger R, Kelly P, Fernando S, Wolf ME, Martino A. Rear Admiral (Astronaut) Alan Shepard: Ménière's disease and the race to the moon. *J Neurosurg*. 2019 Feb 15:1-7. doi: 10.3171/2018.9.JNS182522. [Epub ahead of print] PubMed PMID: 30771763.

60: Pires da Silva I, Glitza IC, Haydu LE, Johnpulle R, Banks PD, Grass GD, Goldinger SMA, Smith JL, Everett AS, Koelblinger P, Roberts-Thomson R, Millward M, Atkinson VG, Guminski A, Kapoor R, Conry RM, Carlino MS, Wang W, Shackleton MJ, Eroglu Z, Lo S, Hong AM, Long GV, Johnson DB, Menzies AM. Incidence, features and management of radionecrosis in melanoma patients treated with cerebral radiotherapy and anti-PD-1 antibodies. *Pigment Cell Melanoma Res*. 2019 Jul;32(4):553-563. doi: 10.1111/pcmr.12775. Epub 2019 Mar 3. PubMed PMID: 30767428.

61: Vockley J, Burton B, Berry GT, Longo N, Phillips J, Sanchez-Valle A, Tanpaiboon P, Grunewald S, Murphy E, Bowden A, Chen W, Chen CY, Cataldo J, Marsden D, Kakkis E. Results from a 78-week, single-arm, open-label phase 2 study to evaluate UX007 in pediatric and adult patients with severe long-chain fatty acid oxidation disorders (LC-FAOD). *J Inher Metab Dis*. 2019 Jan;42(1):169-177. doi: 10.1002/jimd.12038. PubMed PMID: 30740733; PubMed Central PMCID: PMC6348052.

62: Nguyen TN, Castonguay AC, Nogueira RG, Haussen DC, English JD, Satti SR, Chen J, Farid H, Borders C, Veznedaroglu E, Binning MJ, Puri AS, Vora NA, Budzik RF, Dabus G, Linfante I, Janardhan V, Alshekhlee A, Abraham MG, Edgell RC, Taqi MA, El Khoury R, Mokin M, Majjhoo AQ, Kabbani MR, Froehler MT, Finch I, Ansari SA, Novakovic R, Abdalkader M, Zaidat OO. Effect of balloon guide catheter on clinical outcomes and reperfusion in Trevo thrombectomy. *J Neurointerv Surg*. 2019 Feb 2. pii: neurintsurg-2018-014452. doi: 10.1136/neurintsurg-2018-014452. [Epub ahead of print] PubMed PMID: 30712011.

63: Huang A, Delozier S, Lauderdale CJ, Zhao S, Clayton DB, Pope JC 4th, Tanaka ST, Adams MC, Shannon CN, Brock JW 3rd, Thomas JC. Do repeat ultrasounds affect orchiectomy rate in patients with testicular torsion treated at a pediatric institution? *J Pediatr Urol*. 2019 Apr;15(2):179.e1-179.e5. doi: 10.1016/j.jpuro.2018.12.002. Epub 2018 Dec 21. PubMed PMID: 30704855.

64: Banks AM, Peter ME, Holder GM, Jolly JA, Markley BM, Zuckerman SL, Choi L, Nwosu S, Zuckerman AD. Adherence to Disease-Modifying Therapies at a Multiple Sclerosis Clinic: The Role of the Specialty Pharmacist. *J Pharm Pract*. 2019 Jan 30:897190018824821. doi: 10.1177/0897190018824821. [Epub ahead of print] PubMed PMID: 30700202.

65: Stein MB, Jain S, Giacino JT, Levin H, Dikmen S, Nelson LD, Vassar MJ, Okonkwo DO, Diaz-Arrastia R, Robertson CS, Mukherjee P, McCrea M, Mac Donald CL, Yue JK, Yuh E, Sun X, Campbell-Sills L, Temkin N, Manley GT; and the TRACK-TBI Investigators, Adeoye O, Badjatia N, Boase K, Bodien Y, Bullock MR, Chesnut R, Corrigan JD, Crawford K, Diaz-Arrastia R, Dikmen S, Duhaime AC, Ellenbogen R, Feeser VR, Ferguson A, Foreman B, Gardner R, Gaudette E, Giacino JT, Gonzalez L, Gopinath S,

Gullapalli R, Hemphill JC, Hotz G, Jain S, Korley F, Kramer J, Kreitzer N, Levin H, Lindsell C, Machamer J, Madden C, Martin A, McAllister T, McCrea M, Merchant R, Mukherjee P, Nelson LD, Noel F, Okonkwo DO, Palacios E, Perl D, Puccio A, Rabinowitz M, Robertson CS, Rosand J, Sander A, Satris G, Schnyer D, Seabury S, Sherer M, Stein MB, Taylor S, Toga A, Temkin N, Valadka A, Vassar MJ, Vespa P, Wang K, Yue JK, Yuh E, Zafonte R. Risk of Posttraumatic Stress Disorder and Major Depression in Civilian Patients After Mild Traumatic Brain Injury: A TRACK-TBI Study. *JAMA Psychiatry*. 2019 Jan 30. doi: 10.1001/jamapsychiatry.2018.4288. [Epub ahead of print] PubMed PMID: 30698636; PubMed Central PMCID: PMC6439818.

66: Charney AW, Stahl EA, Green EK, Chen CY, Moran JL, Chambert K, Belliveau RA Jr, Forty L, Gordon-Smith K, Lee PH, Bromet EJ, Buckley PF, Escamilla MA, Fanous AH, Fochtmann LJ, Lehrer DS, Malaspina D, Marder SR, Morley CP, Nicolini H, Perkins DO, Rakofsky JJ, Rapaport MH, Medeiros H, Sobell JL, Backlund L, Bergen SE, Juréus A, Schalling M, Lichtenstein P, Knowles JA, Burdick KE, Jones I, Jones LA, Hultman CM, Perlis R, Purcell SM, McCarroll SA, Pato CN, Pato MT, Di Florio A, Craddock N, Landén M, Smoller JW, Ruderfer DM, Sklar P. Contribution of Rare Copy Number Variants to Bipolar Disorder Risk Is Limited to Schizoaffective Cases. *Biol Psychiatry*. 2019 Jul 15;86(2):110-119. doi: 10.1016/j.biopsych.2018.12.009. Epub 2018 Dec 20. PubMed PMID: 30686506; PubMed Central PMCID: PMC6586545.

67: Renne B, Radic J, Agrawal D, Albrecht B, Bonfield CM, Cohrs G, Davis T, Gupta A, Hebb ALO, Lamberti-Pasculli M, Knerlich-Lukoschus F, Lindsay S, McNeely PD, Pillai S, Rai HIS, Sborov KD, Vitali A, Walling S, Woerdeman P, Suryaningtyas W, Cochrane D, Singhal A, Steinbok P. Cerebellar mutism after posterior fossa tumor resection in children: a multicenter international retrospective study to determine possible modifiable factors. *Childs Nerv Syst*. 2019 Jan 18. doi: 10.1007/s00381-019-04058-7. [Epub ahead of print] PubMed PMID: 30659354.

68: Chandrasekhar R, Ely EW, Patel MB. Challenges With Postoperative Cognitive Impairment Research. *JAMA Surg*. 2019 Jan 16. doi: 10.1001/jamasurg.2018.5110. [Epub ahead of print] PubMed PMID: 30649134.

69: Seabury SA, Gaudette É, Goldman DP, Markowitz AJ, Brooks J, McCrea MA, Okonkwo DO, Manley GT; and the TRACK-TBI Investigators, Adeoye O, Badjatia N, Boase K, Bodien Y, Bullock MR, Chesnut R, Corrigan JD, Crawford K, Diaz-Arrastia R, Dikmen S, Duhaime AC, Ellenbogen R, Feeser VR, Ferguson A, Foreman B, Gardner R, Giacino J, Gonzalez L, Gopinath S, Gullapalli R, Hemphill JC, Hotz G, Jain S, Korley F, Kramer J, Kreitzer N, Levin H, Lindsell C, Machamer J, Madden C, Martin A, McAllister T, Merchant R, Mukherjee P, Nelson L, Noel F, Palacios E, Perl D, Puccio A, Rabinowitz M, Robertson C, Rosand J, Sander A, Satris G, Schnyer D, Sherer M, Stein M, Taylor S, Temkin N, Toga A, Valadka A, Vassar M, Vespa P, Wang K, Yue J, Yuh E, Zafonte R. Assessment of Follow-up Care After Emergency Department Presentation for Mild Traumatic Brain Injury and Concussion: Results From the TRACK-TBI Study. *JAMA Netw Open*. 2018 May 18;1(1):e180210. doi: 10.1001/jamanetworkopen.2018.0210. PubMed PMID: 30646055; PubMed Central PMCID: PMC6324305.

70: Théry C, Witwer KW, Aikawa E, Alcaraz MJ, Anderson JD, Andriantsitohaina R, Antoniou A, Arab T, Archer F, Atkin-Smith GK, Ayre DC, Bach JM, Bachurski D, Baharvand H, Balaj L, Baldacchino S, Bauer NN, Baxter AA, Bebawy M, Beckham C, Bedina Zavec A, Benmoussa A, Berardi AC, Bergese P, Bielska E, Blenkiron C, Bobis-Wozowicz S, Boilard E, Boireau W, Bongiovanni A, Borràs FE, Bosch S, Boulanger CM, Breakefield X, Breglio AM, Brennan MÁ, Brigstock DR, Brisson A, Broekman ML, Bromberg JF, Bryl-Górecka P, Buch S, Buck AH, Burger D, Busatto S, Buschmann D, Bussolati B, Buzás EI, Byrd JB, Camussi G, Carter DR, Caruso S, Chamley LW, Chang YT, Chen C, Chen S, Cheng L, Chin AR, Clayton A, Clerici SP, Cocks A, Cocucci E, Coffey RJ, Cordeiro-da-Silva A, Couch Y, Coumans FA, Coyle B, Crescitelli R, Criado MF, D'Souza-Schorey C, Das S, Datta Chaudhuri A, de Candia P, De Santana EF, De Wever O, Del Portillo HA, Demaret T, Deville S, Devitt A, Dhondt B, Di Vizio D, Dieterich LC, Dolo V,

Dominguez Rubio AP, Dominici M, Dourado MR, Driedonks TA, Duarte FV, Duncan HM, Eichenberger RM, Ekström K, El Andaloussi S, Elie-Caille C, Erdbrügger U, Falcón-Pérez JM, Fatima F, Fish JE, Flores-Bellver M, Försonits A, Frelet-Barrand A, Fricke F, Fuhrmann G, Gabrielsson S, Gámez-Valero A, Gardiner C, Gärtner K, Gaudin R, Gho YS, Giebel B, Gilbert C, Gimona M, Giusti I, Goberdhan DC, Görgens A, Gorski SM, Greening DW, Gross JC, Gualerzi A, Gupta GN, Gustafson D, Handberg A, Haraszti RA, Harrison P, Hegyesi H, Hendrix A, Hill AF, Hochberg FH, Hoffmann KF, Holder B, Holthofer H, Hosseinkhani B, Hu G, Huang Y, Huber V, Hunt S, Ibrahim AG, Ikezu T, Inal JM, Isin M, Ivanova A, Jackson HK, Jacobsen S, Jay SM, Jayachandran M, Jenster G, Jiang L, Johnson SM, Jones JC, Jong A, Jovanovic-Talisman T, Jung S, Kalluri R, Kano SI, Kaur S, Kawamura Y, Keller ET, Khamari D, Khomyakova E, Khvorova A, Kierulf P, Kim KP, Kislinger T, Klingeborn M, Klink DJ 2nd, Kornek M, Kosanović MM, Kovács ÁF, Krämer-Albers EM, Krasemann S, Krause M, Kurochkin IV, Kusuma GD, Kuypers S, Laitinen S, Langevin SM, Languino LR, Lannigan J, Lässer C, Laurent LC, Lavieu G, Lázaro-Ibáñez E, Le Lay S, Lee MS, Lee YXF, Lemos DS, Lenassi M, Leszczynska A, Li IT, Liao K, Libregts SF, Ligeti E, Lim R, Lim SK, Linē A, Linnemannstöns K, Llorente A, Lombard CA, Lorenowicz MJ, Lörincz ÁM, Lötval J, Lovett J, Lowry MC, Loyer X, Lu Q, Lukomska B, Lunavat TR, Maas SL, Malhi H, Marcilla A, Mariani J, Mariscal J, Martens-Uzunova ES, Martin-Jaular L, Martinez MC, Martins VR, Mathieu M, Mathivanan S, Maugeri M, McGinnis LK, McVey MJ, Meckes DG Jr, Meehan KL, Mertens I, Minciacci VR, Möller A, Møller Jørgensen M, Morales-Kastresana A, Morhayim J, Mullier F, Muraca M, Musante L, Mussack V, Muth DC, Myburgh KH, Najrana T, Nawaz M, Nazarenko I, Nejsun P, Neri C, Neri T, Nieuwland R, Nimrichter L, Nolan JP, Nolte-t Hoen EN, Noren Hooten N, O'Driscoll L, O'Grady T, O'Loughlin A, Ochiya T, Olivier M, Ortiz A, Ortiz LA, Osteikoetxea X, Østergaard O, Ostrowski M, Park J, Pegtel DM, Peinado H, Perut F, Pfaffl MW, Phinney DG, Pieters BC, Pink RC, Pisetsky DS, Pogge von Strandmann E, Polakovicova I, Poon IK, Powell BH, Prada I, Pulliam L, Quesenberry P, Radeghieri A, Raffai RL, Raimondo S, Rak J, Ramirez MI, Raposo G, Rayyan MS, Regev-Rudzki N, Ricklefs FL, Robbins PD, Roberts DD, Rodrigues SC, Rohde E, Rome S, Rouschop KM, Ruggetti A, Russell AE, Saá P, Sahoo S, Salas-Huenuleo E, Sánchez C, Saugstad JA, Saul MJ, Schiffelers RM, Schneider R, Schøyen TH, Scott A, Shahaj E, Sharma S, Shatnyeva O, Shekari F, Shelke GV, Shetty AK, Shiba K, Siljander PR, Silva AM, Skowronek A, Snyder OL 2nd, Soares RP, Sódar BW, Soekmadji C, Sotillo J, Stahl PD, Stoorvogel W, Stott SL, Strasser EF, Swift S, Tahara H, Tewari M, Timms K, Tiwari S, Tixeira R, Tkach M, Toh WS, Tomasini R, Torrecilhas AC, Tosar JP, Toxavidis V, Urbanelli L, Vader P, van Balkom BW, van der Grein SG, Van Deun J, van Herwijnen MJ, Van Keuren-Jensen K, van Niel G, van Royen ME, van Wijnen AJ, Vasconcelos MH, Vechetti IJ Jr, Veit TD, Vella LJ, Velot É, Verweij FJ, Vestad B, Viñas JL, Visnovitz T, Vukman KV, Wahlgren J, Watson DC, Wauben MH, Weaver A, Webber JP, Weber V, Wehman AM, Weiss DJ, Welsh JA, Wendt S, Wheelock AM, Wiener Z, Witte L, Wolfram J, Xagorari A, Xander P, Xu J, Yan X, Yáñez-Mó M, Yin H, Yuana Y, Zappulli V, Zarubova J, Žekas V, Zhang JY, Zhao Z, Zheng L, Zheutlin AR, Zickler AM, Zimmermann P, Zivkovic AM, Zocco D, Zuba-Surma EK. Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. *J Extracell Vesicles*. 2018 Nov 23;7(1):1535750. doi: 10.1080/20013078.2018.1535750. eCollection 2018. PubMed PMID: 30637094; PubMed Central PMCID: PMC6322352.

71: Zaidat OO, Haussen DC, Hassan AE, Jadhav AP, Mehta BP, Mokin M, Mueller-Kronast NH, Froehler MT. Impact of Stent Retriever Size on Clinical and Angiographic Outcomes in the STRATIS Stroke Thrombectomy Registry. *Stroke*. 2019 Feb;50(2):441-447. doi: 10.1161/STROKEAHA.118.022987. PubMed PMID: 30626287.

72: Reddy SK, Patel RS, Rogers GF, Gordish-Dressman H, Keating RF, Pestieau SR. Intraoperative Management by a Craniofacial Team Anesthesiologist is Associated With Improved Outcomes for Children Undergoing Major Craniofacial Reconstructive Surgery. *J Craniofac Surg*. 2019 Mar/Apr;30(2):418-423. doi: 10.1097/SCS.0000000000005086. PubMed PMID: 30614991.

- 73: Reynolds RA, Stack LB, Bonfield CM. Medical photography with a mobile phone: useful techniques, and what neurosurgeons need to know about HIPAA compliance. *J Neurosurg.* 2019 Jan 4:1-5. doi: 10.3171/2018.8.JNS182075. [Epub ahead of print] PubMed PMID: 30611147.
- 74: Herman MJ, Brown KO, Sponseller PD, Phillips JH, Petrucelli PM, Parikh DJ, Mody KS, Leonard JC, Moront M, Brockmeyer DL, Anderson RCE, Alder AC, Anderson JT, Bernstein RM, Booth TN, Braga BP, Cahill PJ, Joglar JM, Martus JE, Nesiama JO, Pahys JM, Rathjen KE, Riccio AI, Schulz JF, Stans AA, Shah MI, Warner WC Jr, Yaszay B. Pediatric Cervical Spine Clearance: A Consensus Statement and Algorithm from the Pediatric Cervical Spine Clearance Working Group. *J Bone Joint Surg Am.* 2019 Jan 2;101(1):e1. doi: 10.2106/JBJS.18.00217. PubMed PMID: 30601421.
- 75: Lakomkin N, Zuckerman SL, Stannard B, Montejo J, Sussman ES, Virojanapa J, Kuzmik G, Goz V, Hadjipanayis CG, Cheng JS. Preoperative Risk Stratification in Spine Tumor Surgery - A Comparison of the Modified Charlson Index, Frailty Index, and ASA Score. *Spine (Phila Pa 1976).* 2018 Dec 19. doi: 10.1097/BRS.0000000000002970. [Epub ahead of print] PubMed PMID: 30601357.
- 76: Chan AK, Bisson EF, Bydon M, Glassman SD, Foley KT, Potts EA, Shaffrey CI, Shaffrey ME, Coric D, Knightly JJ, Park P, Wang MY, Fu KM, Slotkin JR, Asher AL, Virk MS, Kerezoudis P, Chotai S, DiGiorgio AM, Haid RW, Mummaneni PV. Laminectomy alone versus fusion for grade 1 lumbar spondylolisthesis in 426 patients from the prospective Quality Outcomes Database. *J Neurosurg Spine.* 2018 Nov 30;30(2):234-241. doi: 10.3171/2018.8.SPINE17913. PubMed PMID: 30544348.
- 77: Grahl JJ, Stollings JL, Rakhit S, Person AK, Wang L, Thompson JL, Pandharipande PP, Ely EW, Patel MB. Antimicrobial exposure and the risk of delirium in critically ill patients. *Crit Care.* 2018 Dec 12;22(1):337. doi: 10.1186/s13054-018-2262-z. PubMed PMID: 30541600; PubMed Central PMCID: PMC6291937.
- 78: Zuckerman SL, Amini B, Lee SH, Rao G, Tatsui CE, Rhines LD. Predictive Value of Preoperative Magnetic Resonance Imaging Findings for Survival and Local Recurrence in Patients Undergoing En Bloc Resection of Sacral Chordomas. *Neurosurgery.* 2018 Dec 12. doi: 10.1093/neuros/nyy578. [Epub ahead of print] PubMed PMID: 30541143.
- 79: Capoor MN, Lochman J, McDowell A, Schmitz JE, Solansky M, Zapletalova M, Alamin TF, Coscia MF, Garfin SR, Jancalek R, Ruzicka F, Shamie AN, Smrcka M, Wang JC, Birkenmaier C, Slaby O. Intervertebral disc penetration by antibiotics used prophylactically in spinal surgery: implications for the current standards and treatment of disc infections. *Eur Spine J.* 2019 Apr;28(4):783-791. doi: 10.1007/s00586-018-5838-z. Epub 2018 Dec 1. Erratum in: *Eur Spine J.* 2019 Jun;28(6):1546-1547. PubMed PMID: 30506486.
- 80: Hughes S, Claassen DO, van den Wildenberg WPM, Phibbs FT, Bradley EB, Wylie SA, van Wouwe NC. Action Control Deficits in Patients With Essential Tremor. *J Int Neuropsychol Soc.* 2019 Feb;25(2):156-164. doi: 10.1017/S1355617718001054. Epub 2018 Dec 3. PubMed PMID: 30501660; PubMed Central PMCID: PMC6374198.
- 81: Kreitzer NP, Hart K, Lindsell CJ, Manley GT, Dikmen SS, Ratcliff JJ, Yue JK, Adeoye OM. A Comparison of Satisfaction With Life and the Glasgow Outcome Scale-Extended After Traumatic Brain Injury: An Analysis of the TRACK-TBI Pilot Study. *J Head Trauma Rehabil.* 2019 May/Jun;34(3):E10-E17. doi: 10.1097/HTR.0000000000000457. PubMed PMID: 30499935; PubMed Central PMCID: PMC6502663.
- 82: Agarwal N, White MD, Pannullo SC, Chambless LB. Analysis of national trends in neurosurgical resident attrition. *J Neurosurg.* 2018 Nov 1:1-6. doi: 10.3171/2018.5.JNS18519. [Epub ahead of print]

PubMed PMID: 30497159.

83: Monk SH, Legarreta AD, Kirby P, Brett BL, Yengo-Kahn AM, Bhatia A, Solomon GS, Zuckerman SL. Imaging findings after acute sport-related concussion in American football players: A systematic review. *J Clin Neurosci*. 2019 Mar;61:28-35. doi: 10.1016/j.jocn.2018.11.022. Epub 2018 Nov 26. PubMed PMID: 30487055.

84: Hale AT, Stonko DP, Lim J, Guillamondegui OD, Shannon CN, Patel MB. Using an artificial neural network to predict traumatic brain injury. *J Neurosurg Pediatr*. 2018 Nov 2;23(2):219-226. doi: 10.3171/2018.8.PEDS18370. PubMed PMID: 30485240.

85: Greenberg JK, Jeffe DB, Carpenter CR, Yan Y, Pineda JA, Lumba-Brown A, Keller MS, Berger D, Bollo RJ, Ravindra VM, Naftel RP, Dewan MC, Shah MN, Burns EC, O'Neill BR, Hankinson TC, Whitehead WE, Adelson PD, Tamber MS, McDonald PJ, Ahn ES, Titsworth W, West AN, Brownson RC, Limbrick DD. North American survey on the post-neuroimaging management of children with mild head injuries. *J Neurosurg Pediatr*. 2018 Oct 26;23(2):227-235. doi: 10.3171/2018.7.PEDS18263. PubMed PMID: 30485194.

86: Vogel J, Carmona R, Ainsley CG, Lustig RA. The Promise of Proton Therapy for Central Nervous System Malignancies. *Neurosurgery*. 2019 May 1;84(5):1000-1010. doi: 10.1093/neuros/nyy454. PubMed PMID: 30476191.

87: 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)*. 2019 Jun 1;44(11):801-808. doi: 10.1097/BRS.0000000000002946. PubMed PMID: 30475334.

88: Dallas J, Englot DJ, Naftel RP. Neurosurgical approaches to pediatric epilepsy: Indications, techniques, and outcomes of common surgical procedures. *Seizure*. 2018 Nov 16. pii: S1059-1311(18)30546-6. doi: 10.1016/j.seizure.2018.11.007. [Epub ahead of print] Review. PubMed PMID: 30473268; PubMed Central PMCID: PMC6522335.

89: Dewan MC, Zuckerman SL, Sivaganesan A, Chatterjee S, Figaji A, Bonfield CM. Addressing the Global Burden of Neurosurgical Disease Beyond the Operating Room: Comment on Recent Global Neurosurgery Article in *Journal of Neurosurgery*. *World Neurosurg*. 2019 Feb;122:364-365. doi: 10.1016/j.wneu.2018.11.134. Epub 2018 Nov 22. PubMed PMID: 30471441.

90: Morone PJ, Shah KJ, Hendricks BK, Cohen-Gadol AA. Virtual, 3-Dimensional Temporal Bone Model and Its Educational Value for Neurosurgical Trainees. *World Neurosurg*. 2019 Feb;122:e1412-e1415. doi: 10.1016/j.wneu.2018.11.074. Epub 2018 Nov 22. PubMed PMID: 30471440.

91: Hughes JD, Dewan MC, Park KB. In Reply to "Demographics of Aneurysmal Subarachnoid Hemorrhage". *World Neurosurg*. 2018 Dec;120:593. doi: 10.1016/j.wneu.2018.08.151. PubMed PMID: 30469296.

92: Himmel LE, Hackett TA, Moore JL, Adams WR, Thomas G, Novitskaya T, Caprioli RM, Zijlstra A, Mahadevan-Jansen A, Boyd KL. Beyond the H&E: Advanced Technologies for in situ Tissue Biomarker Imaging. *ILAR J*. 2018 Dec 1;59(1):51-65. doi: 10.1093/ilar/ily004. PubMed PMID: 30462242.

93: Devin CJ, Bydon M, Alvi MA, Kerezoudis P, Khan I, Sivaganesan A, McGirt MJ, Archer KR, Foley KT,

- Mummaneni PV, Bisson EF, Knightly JJ, Shaffrey CI, Asher AL. A predictive model and nomogram for predicting return to work at 3 months after cervical spine surgery: an analysis from the Quality Outcomes Database. *Neurosurg Focus*. 2018 Nov 1;45(5):E9. doi: 10.3171/2018.8.FOCUS18326. PubMed PMID: 30453462.
- 94: Hale AT, Stonko DP, Wang L, Strother MK, Chambless LB. Machine learning analyses can differentiate meningioma grade by features on magnetic resonance imaging. *Neurosurg Focus*. 2018 Nov 1;45(5):E4. doi: 10.3171/2018.8.FOCUS18191. PubMed PMID: 30453458.
- 95: Hale AT, Stonko DP, Brown A, Lim J, Voce DJ, Gannon SR, Le TM, Shannon CN. Machine-learning analysis outperforms conventional statistical models and CT classification systems in predicting 6-month outcomes in pediatric patients sustaining traumatic brain injury. *Neurosurg Focus*. 2018 Nov 1;45(5):E2. doi: 10.3171/2018.8.FOCUS17773. PubMed PMID: 30453455.
- 96: Asher AL, Devin CJ, Harbaugh RE, Bydon M. Introduction. Predictive analytics in medicine. *Neurosurg Focus*. 2018 Nov 1;45(5):E1. doi: 10.3171/2018.8.FOCUS18441. PubMed PMID: 30453451.
- 97: Isaacs DA, Butler J, Sukul V, Rodriguez W, Pallavaram S, Tolleson C, Fang JY, Phibbs FT, Yu H, Konrad PE, Hedera P. Confined Thalamic Deep Brain Stimulation in Refractory Essential Tremor. *Stereotact Funct Neurosurg*. 2018;96(5):296-304. doi: 10.1159/000493546. Epub 2018 Nov 19. PubMed PMID: 30453287.
- 98: Czesnik D, Howells J, Bartl M, Veiz E, Ketzler R, Kemmet O, Walters AS, Trenkwalder C, Burke D, Paulus W. I(h) contributes to increased motoneuron excitability in restless legs syndrome. *J Physiol*. 2019 Jan;597(2):599-609. doi: 10.1113/JP275341. Epub 2018 Nov 24. PubMed PMID: 30430565; PubMed Central PMCID: PMC6332783.
- 99: Ravindran K, Ganesh Kumar N, Englot DJ, Wilson TJ, Zuckerman SL. Deep Brain Stimulation Versus Peripheral Denervation for Cervical Dystonia: A Systematic Review and Meta-Analysis. *World Neurosurg*. 2019 Feb;122:e940-e946. doi: 10.1016/j.wneu.2018.10.178. Epub 2018 Nov 10. PubMed PMID: 30419402; PubMed Central PMCID: PMC6363862.
- 100: Cherlow JM, Shaw DWW, Margraf LR, Bowers DC, Huang J, Fouladi M, Onar-Thomas A, Zhou T, Pollack IF, Gajjar A, Kessel SK, Cullen PL, McMullen K, Wellons JC, Merchant TE. Conformal Radiation Therapy for Pediatric Patients with Low-Grade Glioma: Results from the Children's Oncology Group Phase 2 Study ACNS0221. *Int J Radiat Oncol Biol Phys*. 2019 Mar 15;103(4):861-868. doi: 10.1016/j.ijrobp.2018.11.004. Epub 2018 Nov 10. PubMed PMID: 30419305; PubMed Central PMCID: PMC6548322.
- 101: Sperduto PW, Deegan BJ, Li J, Jethwa KR, Brown PD, Lockney N, Beal K, Rana NG, Attia A, Tseng CL, Sahgal A, Shanley R, Sperduto WA, Lou E, Zahra A, Buatti JM, Yu JB, Chiang V, Molitoris JK, Masucci L, Roberge D, Shi DD, Shih HA, Olson A, Kirkpatrick JP, Braunstein S, Sneed P, Mehta MP. Estimating survival for renal cell carcinoma patients with brain metastases: an update of the Renal Graded Prognostic Assessment tool. *Neuro Oncol*. 2018 Nov 12;20(12):1652-1660. doi: 10.1093/neuonc/now099. PubMed PMID: 30418657; PubMed Central PMCID: PMC6231200.
- 102: Rattani A, Lim J, Mistry AM, Prablek MA, Roth SG, Jordan LC, Shannon CN, Naftel RP. Incidence of Epilepsy and Associated Risk Factors in Perinatal Ischemic Stroke Survivors. *Pediatr Neurol*. 2019 Jan;90:44-55. doi: 10.1016/j.pediatrneurol.2018.08.025. Epub 2018 Sep 21. PubMed PMID: 30409458.
- 103: Hale AT, Monsour MA, Rolston JD, Naftel RP, Englot DJ. Deep brain stimulation in pediatric dystonia: a systematic review. *Neurosurg Rev*. 2018 Nov 5. doi: 10.1007/s10143-018-1047-9. [Epub ahead of print] Review. PubMed PMID: 30397842; PubMed Central PMCID: PMC6500764.

104: Zuckerman SL, Brett BL, Jeckell AS, Yengo-Kahn AM, Solomon GS. Prognostic Factors in Pediatric Sport-Related Concussion. *Curr Neurol Neurosci Rep.* 2018 Nov 5;18(12):104. doi: 10.1007/s11910-018-0909-4. Review. PubMed PMID: 30397831.

105: Garcia ADR, Han YG, Triplett JW, Farmer WT, Harwell CC, Ihrie RA. The Elegance of Sonic Hedgehog: Emerging Novel Functions for a Classic Morphogen. *J Neurosci.* 2018 Oct 31;38(44):9338-9345. doi: 10.1523/JNEUROSCI.1662-18.2018. PubMed PMID: 30381425; PubMed Central PMCID: PMC6209836.

106: McHugo M, Talati P, Woodward ND, Armstrong K, Blackford JU, Heckers S. Regionally specific volume deficits along the hippocampal long axis in early and chronic psychosis. *Neuroimage Clin.* 2018;20:1106-1114. doi: 10.1016/j.nicl.2018.10.021. Epub 2018 Oct 23. PubMed PMID: 30380517; PubMed Central PMCID: PMC6202690.

107: Rosenberg AJ, Nickels ML, Schulte ML, Manning HC. Automated radiosynthesis of 5-[(11)C]-glutamine, an important tracer for glutamine utilization. *Nucl Med Biol.* 2018 Dec;67:10-14. doi: 10.1016/j.nucmedbio.2018.09.002. Epub 2018 Oct 15. PubMed PMID: 30359787; PubMed Central PMCID: PMC6298813.

108: Kim EJ, Chotai S, Schneider BJ, Sivaganesan A, McGirt MJ, Devin CJ. Effect of Depression on Patient-Reported Outcomes Following Cervical Epidural Steroid Injection for Degenerative Spine Disease. *Pain Med.* 2018 Dec 1;19(12):2371-2376. doi: 10.1093/pm/pny196. PubMed PMID: 30357417.

109: Wilson JE, Duggan MC, Chandrasekhar R, Brummel NE, Dittus RS, Ely EW, Patel MB, Jackson JC. Deficits in Self-Reported Initiation Are Associated With Subsequent Disability in ICU Survivors. *Psychosomatics.* 2019 Jul - Aug;60(4):376-384. doi: 10.1016/j.psym.2018.09.004. Epub 2018 Sep 29. PubMed PMID: 30352696.

110: Wolfe SQ, West JL, Hunt MA, Murad GJA, Fox WC, Dow J, Morone PJ, Wellons JC, Podet A, Wilson J, Wu JK, Spiotta AM, Fargen KM. A Comparison of the Existing Wellness Programs in Neurosurgery and Institution Champion's Perspectives. *Neurosurgery.* 2019 May 1;84(5):1149-1155. doi: 10.1093/neuros/nyy418. PubMed PMID: 30329099.

111: Koch R, Roa L, Pyda J, Kerrigan M, Barthélemy E, Meara JG. The Bill & Melinda Gates Foundation: An opportunity to lead innovation in global surgery. *Surgery.* 2019 Feb;165(2):273-280. doi: 10.1016/j.surg.2018.08.002. Epub 2018 Oct 11. PubMed PMID: 30316576.

112: Sivaganesan A, Asher AL, Bydon M, Khan I, Kerezoudis P, Foley KT, Nian H, Harrell FE Jr, Archer KR, Devin CJ. A Strategy for Risk-adjusted Ranking of Surgeons and Practices Based on Patient-reported Outcomes After Elective Lumbar Surgery. *Spine (Phila Pa 1976).* 2019 May 1;44(9):670-677. doi: 10.1097/BRS.0000000000002894. PubMed PMID: 30312268.

113: Gros C, De Leener B, Badji A, Maranzano J, Eden D, Dupont SM, Talbott J, Zhuoquiong R, Liu Y, Granberg T, Ouellette R, Tachibana Y, Hori M, Kamiya K, Chougar L, Stawiarz L, Hillert J, Bannier E, Kerbrat A, Edan G, Labauge P, Callot V, Pelletier J, Audoin B, Rasoanandrianina H, Brisset JC, Valsasina P, Rocca MA, Filippi M, Bakshi R, Tauhid S, Prados F, Yiannakas M, Kearney H, Ciccarelli O, Smith S, Treaba CA, Mainero C, Lefeuvre J, Reich DS, Nair G, Auclair V, McLaren DG, Martin AR, Fehlings MG, Vahdat S, Khatibi A, Doyon J, Shepherd T, Charlson E, Narayanan S, Cohen-Adad J. Automatic segmentation of the spinal cord and intramedullary multiple sclerosis lesions with convolutional neural networks. *Neuroimage.* 2019 Jan 1;184:901-915. doi: 10.1016/j.neuroimage.2018.09.081. Epub 2018 Oct 6. PubMed PMID: 30300751.

- 114: Barrette K, Levin J, Miles D, Kennedy DJ. The Value of Electrodiagnostic Studies in Predicting Treatment Outcomes for Patients with Spine Pathologies. *Phys Med Rehabil Clin N Am*. 2018 Nov;29(4):681-687. doi: 10.1016/j.pmr.2018.06.004. Epub 2018 Aug 2. Review. PubMed PMID: 30293623.
- 115: Hills JM, Khan I, Sivaganesan A, Weisenthal B, Daryoush J, Butler M, Bydon M, Archer KR, Asher A, Devin CJ. Emergency Department Visits After Elective Spine Surgery. *Neurosurgery*. 2019 Aug 1;85(2):E258-E265. doi: 10.1093/neuros/nyy445. PubMed PMID: 30272232.
- 116: Dewan MC, Onen J, Bow H, Ssenyonga P, Howard C, Warf BC. Subspecialty pediatric neurosurgery training: a skill-based training model for neurosurgeons in low-resourced health systems. *Neurosurg Focus*. 2018 Oct;45(4):E2. doi: 10.3171/2018.7.FOCUS18249. PubMed PMID: 30269595.
- 117: Dewan MC, Baticulon RE, Rattani A, Johnston JM, Warf BC, Harkness W. Pediatric neurosurgical workforce, access to care, equipment and training needs worldwide. *Neurosurg Focus*. 2018 Oct;45(4):E13. doi: 10.3171/2018.7.FOCUS18272. PubMed PMID: 30269579.
- 118: Davis GA, Makdissi M, Bloomfield P, Clifton P, Echemendia RJ, Falvey EC, Fuller GW, Green G, Harcourt PR, Hill T, McGuirk N, Meeuwisse W, Orchard JW, Raftery M, Sills AK, Solomon GS, Valadka A, McCrory P. International study of video review of concussion in professional sports. *Br J Sports Med*. 2018 Sep 27. pii: bjsports-2018-099727. doi: 10.1136/bjsports-2018-099727. [Epub ahead of print] PubMed PMID: 30262454.
- 119: Foster CH, Morone PJ, Cohen-Gadol A. Awake craniotomy in glioma surgery: is it necessary? *J Neurosurg Sci*. 2019 Apr;63(2):162-178. doi: 10.23736/S0390-5616.18.04590-3. Epub 2018 Sep 25. Review. PubMed PMID: 30259721.
- 120: Sivaganesan A, Zuckerman S, Khan I, Nian H, Harrell FE Jr, Pennings JS, Harbaugh R, Foley KT, Bydon M, Asher AL, Devin CJ, Archer KR. Predictive Model for Medical and Surgical Readmissions Following Elective Lumbar Spine Surgery: A National Study of 33,674 Patients. *Spine (Phila Pa 1976)*. 2019 Apr 15;44(8):588-600. doi: 10.1097/BRS.0000000000002883. PubMed PMID: 30247371.
- 121: Bonfield CM, Basem J, Cochrane DD, Singhal A, Steinbok P. Examining the need for routine intensive care admission after surgical repair of nonsyndromic craniosynostosis: a preliminary analysis. *J Neurosurg Pediatr*. 2018 Dec 1;22(6):616-619. doi: 10.3171/2018.6.PEDS18136. PubMed PMID: 30239283.
- 122: Zuckerman SL, Brett BL, Jeckell A, Yengo-Kahn AM, Solomon GS. Chronic Traumatic Encephalopathy and Neurodegeneration in Contact Sports and American Football. *J Alzheimers Dis*. 2018;66(1):37-55. doi: 10.3233/JAD-180218. PubMed PMID: 30223396.
- 123: Mitchell KT, Larson P, Starr PA, Okun MS, Wharen RE Jr, Uitti RJ, Guthrie BL, Peichel D, Pahwa R, Walker HC, Foote K, Marshall FJ, Jankovic J, Simpson R, Phibbs F, Neimat JS, Stewart RM, Dashtipour K, Ostrem JL. Benefits and risks of unilateral and bilateral ventral intermediate nucleus deep brain stimulation for axial essential tremor symptoms. *Parkinsonism Relat Disord*. 2019 Mar;60:126-132. doi: 10.1016/j.parkreldis.2018.09.004. Epub 2018 Sep 6. PubMed PMID: 30220556.
- 124: Alexiades NG, Ahn ES, Blount JP, Brockmeyer DL, Browd SR, Grant GA, Heuer GG, Hankinson TC, Iskandar BJ, Jea A, Krieger MD, Leonard JR, Limbrick DD, Maher CO, Proctor MR, Sandberg DI, Wellons JC, Shao B, Feldstein NA, Anderson RCE. Development of best practices to minimize wound complications after complex tethered spinal cord surgery: a modified Delphi study. *J Neurosurg Pediatr*. 2018 Dec 1;22(6):701-709. doi: 10.3171/2018.6.PEDS18243. PubMed PMID: 30215584.

125: Vaughan KA, Lopez Ramos C, Buch VP, Mekary RA, Amundson JR, Shah M, Rattani A, Dewan MC, Park KB. An estimation of global volume of surgically treatable epilepsy based on a systematic review and meta-analysis of epilepsy. *J Neurosurg.* 2018 Sep 1;1-15. doi: 10.3171/2018.3.JNS171722. [Epub ahead of print] Review. PubMed PMID: 30215556.

126: Kallianpur AR, Gittleman H, Letendre S, Ellis R, Barnholtz-Sloan JS, Bush WS, Heaton R, Samuels DC, Franklin DR Jr, Rosario-Cookson D, Clifford DB, Collier AC, Gelman B, Marra CM, McArthur JC, McCutchan JA, Morgello S, Grant I, Simpson D, Connor JR, Hulgán T; CHARTER Study Group. Cerebrospinal Fluid Ceruloplasmin, Haptoglobin, and Vascular Endothelial Growth Factor Are Associated with Neurocognitive Impairment in Adults with HIV Infection. *Mol Neurobiol.* 2019 May;56(5):3808-3818. doi: 10.1007/s12035-018-1329-9. Epub 2018 Sep 12. PubMed PMID: 30209774.

127: 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.

128: 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.

129: Brett BL, Mummareddy N, Kuhn AW, Yengo-Kahn AM, Zuckerman SL. The Relationship Between Prior Concussions and Depression Is Modified by Somatic Symptomatology in Retired NFL Athletes. *J Neuropsychiatry Clin Neurosci.* 2019 Winter;31(1):17-24. doi: 10.1176/appi.neuropsych.18040080. Epub 2018 Sep 6. PubMed PMID: 30187822.

130: Vasilevskis EE, Chandrasekhar R, Holtze CH, Graves J, Speroff T, Girard TD, Patel MB, Hughes CG, Cao A, Pandharipande PP, Ely EW. The Cost of ICU Delirium and Coma in the Intensive Care Unit Patient. *Med Care.* 2018 Oct;56(10):890-897. doi: 10.1097/MLR.0000000000000975. PubMed PMID: 30179988; PubMed Central PMCID: PMC6200340.

131: Rizk H, Agrawal Y, Barthel S, Bennett ML, Doherty JK, Gerend P, Gold DR, Morrill D, Oas JG, Roberts JK, Woodson E, Zapala DA, Bennett A, Shenoy AM. Quality improvement in neurology: Neurotology quality measurement set. *Neurology.* 2018 Oct 9;91(15):697-701. doi: 10.1212/WNL.00000000000006217. Epub 2018 Aug 31. PubMed PMID: 30171079.

132: Rizk H, Agrawal Y, Barthel S, Bennett ML, Doherty JK, Gerend P, Gold DR, Morrill D, Oas JG, Roberts JK, Woodson E, Zapala DA, Bennett A, Shenoy AM. Quality Improvement in Neurology: Neurotology Quality Measurement Set. *Otolaryngol Head Neck Surg.* 2018 Oct;159(4):603-607. doi: 10.1177/0194599818790947. Epub 2018 Aug 31. PubMed PMID: 30168353.

- 133: Sivaganesan A, Devin CJ, Khan I, Kerezoudis P, Nian H, Harrell FE Jr, Bydon M, Asher AL. Is Length of Stay Influenced by the Weekday On Which Lumbar Surgery is Performed? *Neurosurgery*. 2018 Aug 24. doi: 10.1093/neuros/nyy382. [Epub ahead of print] PubMed PMID: 30165453.
- 134: Lim J, Berkman R. Profound Finger Extension Weakness 21 Years After a Traumatic Lumbar Spine Pseudomeningocele. *World Neurosurg*. 2018 Dec;120:244-248. doi: 10.1016/j.wneu.2018.08.126. Epub 2018 Aug 27. PubMed PMID: 30165213.
- 135: Lim J, Davis A, Tang AR, Shannon CN, Bonfield CM. Caregiver stress in children with craniosynostosis: a systematic literature review. *Childs Nerv Syst*. 2019 Feb;35(2):217-225. doi: 10.1007/s00381-018-3959-7. Epub 2018 Aug 29. PubMed PMID: 30155782.
- 136: Legarreta AD, Monk SH, Kirby PW, Brett BL, Yengo-Kahn AM, Bhatia A, Solomon GS, Zuckerman SL. Long-Term Neuroimaging Findings in American Football Players: Systematic Review. *World Neurosurg*. 2018 Dec;120:e365-e379. doi: 10.1016/j.wneu.2018.08.079. Epub 2018 Aug 23. PubMed PMID: 30144599.
- 137: Patel MB, Bednarik J, Lee P, Shehabi Y, Salluh JI, Slooter AJ, Klein KE, Skrobik Y, Morandi A, Spronk PE, Naidech AM, Pun BT, Bozza FA, Marra A, John S, Pandharipande PP, Ely EW. Delirium Monitoring in Neurocritically Ill Patients: A Systematic Review. *Crit Care Med*. 2018 Nov;46(11):1832-1841. doi: 10.1097/CCM.0000000000003349. PubMed PMID: 30142098; PubMed Central PMCID: PMC6185789.
- 138: Brett BL, Zuckerman SL, Terry DP, Solomon GS, Iverson GL. Normative Data for the Sway Balance System. *Clin J Sport Med*. 2018 Aug 15. doi: 10.1097/JSM.0000000000000632. [Epub ahead of print] PubMed PMID: 30113969.
- 139: Texakalidis P, Giannopoulos S, Jonnalagadda AK, Chitale RV, Jabbour P, Armstrong EJ, Schwartz GG, Kokkinidis DG. Preoperative Use of Statins in Carotid Artery Stenting: A Systematic Review and Meta-analysis. *J Endovasc Ther*. 2018 Oct;25(5):624-631. doi: 10.1177/1526602818794030. Epub 2018 Aug 13. PubMed PMID: 30101624.
- 140: Ali R, Chon J, Mathews L, Yu H, Konrad P. Novel Technique for Insertion of Cervical Spinal Cord Stimulator Percutaneous Leads: Technical Note and Institutional Experience. *World Neurosurg*. 2018 Nov;119:118-122. doi: 10.1016/j.wneu.2018.07.218. Epub 2018 Aug 1. PubMed PMID: 30077028.
- 141: Kundu B, Brock AA, Englot DJ, Butson CR, Rolston JD. Deep brain stimulation for the treatment of disorders of consciousness and cognition in traumatic brain injury patients: a review. *Neurosurg Focus*. 2018 Aug;45(2):E14. doi: 10.3171/2018.5.FOCUS18168. PubMed PMID: 30064315; PubMed Central PMCID: PMC6193266.
- 142: Sivaganesan A, Chotai S, Parker SL, McGirt MJ, Devin CJ. Drivers of Variability in 90-Day Cost for Elective Laminectomy and Fusion for Lumbar Degenerative Disease. *Neurosurgery*. 2019 May 1;84(5):1043-1049. doi: 10.1093/neuros/nyy264. PubMed PMID: 30053215.
- 143: Ganesh Kumar N, Drolet BC, Janis J. Texting Protected Health Information: A Survey of Academic Plastic Surgeons. *Plast Reconstr Surg*. 2018 Oct;142(4):614e-615e. doi: 10.1097/PRS.0000000000004763. PubMed PMID: 30044328.
- 144: 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.

145: Hunter JB, Dowling EM, Lohse CM, O'Connell BP, Tombers NM, Lees KA, Thompson RS, Haynes DS, Carlson ML. Hearing Outcomes in Conservatively Managed Vestibular Schwannoma Patients With Serviceable Hearing. *Otol Neurotol*. 2018 Sep;39(8):e704-e711. doi: 10.1097/MAO.0000000000001914. PubMed PMID: 30036205.

146: Dewan MC, Baticulon RE, Ravindran K, Bonfield CM, Poenaru D, Harkness W. Pediatric neurosurgical bellwether procedures for infrastructure capacity building in hospitals and healthcare systems worldwide. *Childs Nerv Syst*. 2018 Oct;34(10):1837-1846. doi: 10.1007/s00381-018-3902-y. Epub 2018 Jul 21. PubMed PMID: 30030605.

147: Cavalli FMG, Hübner JM, Sharma T, Luu B, Sill M, Zapotocky M, Mack SC, Witt H, Lin T, Shih DJH, Ho B, Santi M, Emery L, Hukin J, Dunham C, McLendon RE, Lipp ES, Gururangan S, Grossbach A, French P, Kros JM, van Veelen MC, Rao AAN, Giannini C, Leary S, Jung S, Faria CC, Mora J, Schüller U, Alonso MM, Chan JA, Klekner A, Chambless LB, Hwang EI, Massimino M, Eberhart CG, Karajannis MA, Lu B, Liau LM, Zollo M, Ferrucci V, Carlotti C, Tirapelli DPC, Tabori U, Bouffet E, Ryzhova M, Ellison DW, Merchant TE, Gilbert MR, Armstrong TS, Korshunov A, Pfister SM, Taylor MD, Aldape K, Pajtler KW, Kool M, Ramaswamy V. Heterogeneity within the PF-EPN-B ependymoma subgroup. *Acta Neuropathol*. 2018 Aug;136(2):227-237. doi: 10.1007/s00401-018-1888-x. Epub 2018 Jul 17. PubMed PMID: 30019219; PubMed Central PMCID: PMC6373486.

148: Rammo R, Ali R, Pabaney A, Seidman M, Schwalb J. Surgical Neuromodulation of Tinnitus: A Review of Current Therapies and Future Applications. *Neuromodulation*. 2019 Jun;22(4):380-387. doi: 10.1111/ner.12793. Epub 2018 Jul 17. Review. PubMed PMID: 30015361.

149: Goyal N, Tsivgoulis G, Frei D, Turk A, Baxter B, Froehler MT, Mocco J, Ishfaq MF, Malhotra K, Chang JJ, Hoit D, Elijevich 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 Sep 1;83(3):593. doi: 10.1093/neuros/nyy320. PubMed PMID: 30010960.

150: Gelinne A, Zuckerman S, Benzil D, Grady S, Callas P, Durham S. United States Medical Licensing Exam Step I Score as a Predictor of Neurosurgical Career Beyond Residency. *Neurosurgery*. 2019 May 1;84(5):1028-1034. doi: 10.1093/neuros/nyy313. PubMed PMID: 30010944.

151: Kellogg R, Lee P, Deibert CP, Tempel Z, Zwagerman NT, Bonfield CM, Johnson S, Greene S. Twenty years' experience with myelomeningocele management at a single institution: lessons learned. *J Neurosurg Pediatr*. 2018 Oct;22(4):439-443. doi: 10.3171/2018.5.PEDS17584. Epub 2018 Jul 13. PubMed PMID: 30004312.

152: McClelland S 3rd, Sosanya O, Mitin T, Degnin C, Chen Y, Attia A, Suh JH, Jaboin JJ. Application of tumor treating fields for newly diagnosed glioblastoma: understanding of nationwide practice patterns. *J Neurooncol*. 2018 Oct;140(1):155-158. doi: 10.1007/s11060-018-2945-y. Epub 2018 Jul 9. PubMed PMID: 29987746.

153: Georgescu MM, Olar A, Mobley BC, Faust PL, Raisanen JM. Epithelial differentiation with microlumen formation in meningioma: diagnostic utility of NHERF1/EBP50 immunohistochemistry. *Oncotarget*. 2018 Jun 19;9(47):28652-28665. doi: 10.18632/oncotarget.25595. eCollection 2018 Jun 19. PubMed PMID: 29983887; PubMed Central PMCID: PMC6033365.

154: Dave P, Venable GT, Jones TL, Khan NR, Albert GW, Chern JJ, Wheelus JL, Governale LS, Huntoon KM, Maher CO, Bruzek AK, Mangano FT, Mehta V, Beaudoin W, Naftel RP, Basem J, Whitney A, Shimony N, Rodriguez LF, Vaughn BN, Klimo P. The Preventable Shunt Revision Rate: A Multicenter Evaluation. *Neurosurgery*. 2019 Mar 1;84(3):788-798. doi: 10.1093/neuros/nyy263. PubMed PMID: 29982642.

155: Hacker ML, DeLong MR, Turchan M, Heusinkveld LE, Ostrem JL, Molinari AL, Currie AD, Konrad PE, Davis TL, Phibbs FT, Hedera P, Cannard KR, Drye LT, Sternberg AL, Shade DM, Tonascia J, Charles D. Effects of deep brain stimulation on rest tremor progression in early stage Parkinson disease. *Neurology*. 2018 Jul 31;91(5):e463-e471. doi: 10.1212/WNL.0000000000005903. Epub 2018 Jun 29. PubMed PMID: 29959266; PubMed Central PMCID: PMC6093763.

156: 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, Lönnqvist J, Maher B, Mattheisen M, McDonald C, Murphy KC, Nenadic I, van Os J, Pantelis C, Pato M, Petryshen T, Quested D, Roussos P, Sanders AR, Schall U, Schwab SG, Sim K, So HC, Stögmann 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, Grigoriou-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.

157: Chiou B, Neal EH, Bowman AB, Lippmann ES, Simpson IA, Connor JR. Endothelial cells are critical regulators of iron transport in a model of the human blood-brain barrier. *J Cereb Blood Flow Metab*. 2018 Jun 18;271678x18783372. doi: 10.1177/0271678x18783372. [Epub ahead of print] PubMed PMID: 29911470.

158: Toossi A, Everaert DG, Seres P, Jaremko JL, Robinson K, Kao CC, Konrad PE, Mushahwar VK. Ultrasound-guided spinal stereotactic system for intraspinal implants. *J Neurosurg Spine*. 2018 Sep;29(3):292-305. doi: 10.3171/2018.1.SPINE17903. Epub 2018 Jun 15. PubMed PMID: 29905525.

159: Parker SL, Sivaganesan A, Chotai S, McGirt MJ, Asher AL, Devin CJ. Development and validation of a predictive model for 90-day readmission following elective spine surgery. *J Neurosurg Spine*. 2018 Sep;29(3):327-331. doi: 10.3171/2018.1.SPINE17505. Epub 2018 Jun 15. PubMed PMID: 29905519.

160: Robertson FC, Lepard JR, Mekary RA, Davis MC, Yunusa I, Gormley WB, Baticulon RE, Mahmud MR, Misra BK, Rattani A, Dewan MC, Park KB. Epidemiology of central nervous system infectious diseases: a meta-analysis and systematic review with implications for neurosurgeons worldwide. *J Neurosurg*. 2018 Jun 1:1-20. doi: 10.3171/2017.10.JNS17359. [Epub ahead of print] PubMed PMID: 29905514.

- 161: Porcari GS, Beslow LA, Ichord RN, Licht DJ, Kleinman JT, Jordan LC. Neurologic Outcome Predictors in Pediatric Intracerebral Hemorrhage: A Prospective Study. *Stroke*. 2018 Jul;49(7):1755-1758. doi: 10.1161/STROKEAHA.118.021845. Epub 2018 Jun 12. PubMed PMID: 29895534; PubMed Central PMCID: PMC6019624.
- 162: Chiou B, Neal EH, Bowman AB, Lippmann ES, Simpson IA, Connor JR. Pharmaceutical iron formulations do not cross a model of the human blood-brain barrier. *PLoS One*. 2018 Jun 11;13(6):e0198775. doi: 10.1371/journal.pone.0198775. eCollection 2018. PubMed PMID: 29889872; PubMed Central PMCID: PMC5995392.
- 163: Shakir HJ, Shakir MA, Sharan AD, Chambless LB, Langer DJ, Davies JM, Levy EI. Commentary: The Future Currency of Neurosurgery is Data. *Neurosurgery*. 2018 Sep 1;83(3):E125-E127. doi: 10.1093/neuros/nyy259. PubMed PMID: 29889272.
- 164: Bow H, He L, Raees MA, Pruthi S, Chitale R. Development and Implementation of an Inexpensive, Easily Producing, Time Efficient External Ventricular Drain Simulator Using 3-Dimensional Printing and Image Registration. *Oper Neurosurg (Hagerstown)*. 2019 Apr 1;16(4):496-502. doi: 10.1093/ons/opy142. PubMed PMID: 29873765.
- 165: Tang D, Li J, Nickels ML, Huang G, Cohen AS, Manning HC. Preclinical Evaluation of a Novel TSPO PET Ligand 2-(7-Butyl-2-(4-(2-[(18)F]Fluoroethoxy)phenyl)-5-Methylpyrazolo[1,5-a]Pyrimidin-3-yl)-N,N-Diethylacetamide ((18)F-VUHS1018A) to Image Glioma. *Mol Imaging Biol*. 2019 Feb;21(1):113-121. doi: 10.1007/s11307-018-1198-7. PubMed PMID: 29869061.
- 166: Muhlestein WE, Akagi DS, Kallos JA, Morone PJ, Weaver KD, Thompson RC, Chambless LB. Using a Guided Machine Learning Ensemble Model to Predict Discharge Disposition following Meningioma Resection. *J Neurol Surg B Skull Base*. 2018 Apr;79(2):123-130. doi: 10.1055/s-0037-1604393. Epub 2017 Aug 8. PubMed PMID: 29868316; PubMed Central PMCID: PMC5978858.
- 167: Grandhi R, Peitz GW, Foley LM, Bonfield CM, Fellows-Mayle W, Hitchens TK, Mooney MP. The influence of suturectomy on age-related changes in cerebral blood flow in rabbits with familial bicoronal suture craniosynostosis: A quantitative analysis. *PLoS One*. 2018 Jun 1;13(6):e0197296. doi: 10.1371/journal.pone.0197296. eCollection 2018. PubMed PMID: 29856748; PubMed Central PMCID: PMC5983410.
- 168: McDonnell KE, van Wouwe NC, Harrison MB, Wylie SA, Claassen DO. Taq1A polymorphism and medication effects on inhibitory action control in Parkinson disease. *Brain Behav*. 2018 Jul;8(7):e01008. doi: 10.1002/brb3.1008. Epub 2018 Jun 1. PubMed PMID: 29856137; PubMed Central PMCID: PMC6043698.
- 169: Chotai S, Sivaganesan A, Parker SL, Sielatycki JA, Archer KR, Nian H, Stephens E, Aaronson OS, McGirt MJ, Devin CJ. Drivers of Variability in 90-day Cost for Primary Single-level Microdiscectomy. *Neurosurgery*. 2018 Dec 1;83(6):1153-1160. doi: 10.1093/neuros/nyy209. PubMed PMID: 29850849.
- 170: Cooper T. The Tuli effect. *JAAPA*. 2018 Jun;31(6):1-2. doi: 10.1097/01.JAA.0000533666.72826.e3. PubMed PMID: 29846319.
- 171: Mistry AM, Kelly PD, Thompson RC, Chambless LB. Cancer Dissemination, Hydrocephalus, and Survival After Cerebral Ventricular Entry During High-Grade Glioma Surgery: A Meta-Analysis. *Neurosurgery*. 2018 Dec 1;83(6):1119-1127. doi: 10.1093/neuros/nyy202. PubMed PMID: 29790976.
- 172: Marra A, Pandharipande PP, Girard TD, Patel MB, Hughes CG, Jackson JC, Thompson JL, Chandrasekhar R, Ely EW, Brummel NE. Co-Occurrence of Post-Intensive Care Syndrome Problems

Among 406 Survivors of Critical Illness. *Crit Care Med*. 2018 Sep;46(9):1393-1401. doi: 10.1097/CCM.00000000000003218. PubMed PMID: 29787415; PubMed Central PMCID: PMC6095801.

173: Peeri NC, Creed JH, Anic GM, Thompson RC, Olson JJ, LaRocca RV, Chowdhary SA, Brockman JD, Gerke TA, Nabors LB, Egan KM. Toenail selenium, genetic variation in selenoenzymes and risk and outcome in glioma. *Cancer Epidemiol*. 2018 Aug;55:45-51. doi: 10.1016/j.canep.2018.05.002. Epub 2018 May 25. PubMed PMID: 29777993.

174: Kelly PD, Zuckerman SL, Chambless LB, Schoettle TP, Wellons JC 3rd, Thompson RC. Commentary: Neurological Surgery at Vanderbilt University: 1873 to Present. *Neurosurgery*. 2018 Jul 1;83(1):E26-E38. doi: 10.1093/neuros/nyy184. PubMed PMID: 29762776.

175: Dewan MC, Rattani A, Baticulon RE, Faruque S, Johnson WD, Dempsey RJ, Haglund MM, Alkire BC, Park KB, Warf BC, Shrime MG. Operative and consultative proportions of neurosurgical disease worldwide: estimation from the surgeon perspective. *J Neurosurg*. 2018 May 1:1-9. doi: 10.3171/2017.10.JNS17347. [Epub ahead of print] PubMed PMID: 29749918.

176: Asher AL, Devin CJ, Kerezoudis P, Chotai S, Nian H, Harrell FE Jr, Sivaganesan A, McGirt MJ, Archer KR, Foley KT, Mummaneni PV, Bisson EF, Knightly JJ, Shaffrey CI, Bydon M. Comparison of Outcomes Following Anterior vs Posterior Fusion Surgery for Patients With Degenerative Cervical Myelopathy: An Analysis From Quality Outcomes Database. *Neurosurgery*. 2019 Apr 1;84(4):919-926. doi: 10.1093/neuros/nyy144. PubMed PMID: 29741718.

177: Salem MM, Alturki AY, Fusco MR, Thomas AJ, Carter BS, Chen CC, Kasper EM. Carotid artery stenting vs. carotid endarterectomy in the management of carotid artery stenosis: Lessons learned from randomized controlled trials. *Surg Neurol Int*. 2018 Apr 16;9:85. doi: 10.4103/sni.sni\_400\_17. eCollection 2018. Review. PubMed PMID: 29740506; PubMed Central PMCID: PMC5926211.

178: Kennedy DJ, Huynh L, Wong J, Mattie R, Levin J, Smuck M, Schneider BJ. Corticosteroid Injections Into Lumbar Facet Joints: A Prospective, Randomized, Double-Blind Placebo-Controlled Trial. *Am J Phys Med Rehabil*. 2018 Oct;97(10):741-746. doi: 10.1097/PHM.0000000000000960. PubMed PMID: 29734232.

179: Dallas J, Sborov KD, Guidry BS, Chotai S, Bonfield CM. Complication rates for preexisting baclofen pumps and ventricular shunts following scoliosis correction: a preliminary study. *J Neurosurg Pediatr*. 2018 Jul;22(1):108-112. doi: 10.3171/2018.2.PEDS17713. Epub 2018 May 4. PubMed PMID: 29726795.

180: Chotai S, Sivaganesan A, Parker SL, Sielatycki JA, McGirt MJ, Devin CJ. Drivers of Variability in 90-Day Cost for Elective Anterior Cervical Discectomy and Fusion for Cervical Degenerative Disease. *Neurosurgery*. 2018 Nov 1;83(5):898-904. doi: 10.1093/neuros/nyy140. PubMed PMID: 29718416.

181: Dewan MC, Rattani A, Gupta S, Baticulon RE, Hung YC, Punchak M, Agrawal A, Adeleye AO, Shrime MG, Rubiano AM, Rosenfeld JV, Park KB. Estimating the global incidence of traumatic brain injury. *J Neurosurg*. 2018 Apr 1:1-18. doi: 10.3171/2017.10.JNS17352. [Epub ahead of print] PubMed PMID: 29701556.

182: Dewan MC, Rattani A, Fieggen G, Arraez MA, Servadei F, Boop FA, Johnson WD, Warf BC, Park KB. Global neurosurgery: the current capacity and deficit in the provision of essential neurosurgical care. Executive Summary of the Global Neurosurgery Initiative at the Program in Global Surgery and Social Change. *J Neurosurg*. 2018 Apr 1:1-10. doi: 10.3171/2017.11.JNS171500. [Epub ahead of print] PubMed PMID: 29701548.

- 183: Dewan MC, Rattani A, Mekary R, Glancz LJ, Yunusa I, Baticulon RE, Fieggen G, Wellons JC, Park KB, Warf BC. Global hydrocephalus epidemiology and incidence: systematic review and meta-analysis. *J Neurosurg*. 2018 Apr 1;1-15. doi: 10.3171/2017.10.JNS17439. [Epub ahead of print] Review. PubMed PMID: 29701543.
- 184: Camalier CR, McHugo M, Zald DH, Neimat JS. The Effect of Deep Brain Stimulation Therapy on Fear-Related Capture of Attention in Parkinson's Disease and Essential Tremor: A Comparison to Healthy Individuals. *J Neurol Disord*. 2018;6(1). pii: 377. doi: 10.4172/2329-6895.1000377. Epub 2018 Feb 27. PubMed PMID: 29657957; PubMed Central PMCID: PMC5897106.
- 185: Choi BD, Shankar GM, Sivaganesan A, Van Beaver LA, Oh K, Shin JH. Implication of Biomarker Mutations for Predicting Survival in Patients With Metastatic Lung Cancer to the Spine. *Spine (Phila Pa 1976)*. 2018 Nov 1;43(21):E1274-E1280. doi: 10.1097/BRS.0000000000002683. PubMed PMID: 29652780.
- 186: Hughes JD, Bond KM, Mekary RA, Dewan MC, Rattani A, Baticulon R, Kato Y, Azevedo-Filho H, Morcos JJ, Park KB. Estimating the Global Incidence of Aneurysmal Subarachnoid Hemorrhage: A Systematic Review for Central Nervous System Vascular Lesions and Meta-Analysis of Ruptured Aneurysms. *World Neurosurg*. 2018 Jul;115:430-447.e7. doi: 10.1016/j.wneu.2018.03.220. Epub 2018 Apr 9. Review. PubMed PMID: 29649643.
- 187: 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.
- 188: Hoadley KA, Yau C, Hinoue T, Wolf DM, Lazar AJ, Drill E, Shen R, Taylor AM, Cherniack AD, Thorsson V, Akbani R, Bowlby R, Wong CK, Wiznerowicz M, Sanchez-Vega F, Robertson AG, Schneider BG, Lawrence MS, Noushmehr H, Malta TM; Cancer Genome Atlas Network, Stuart JM, Benz CC, Laird PW. Cell-of-Origin Patterns Dominate the Molecular Classification of 10,000 Tumors from 33 Types of Cancer. *Cell*. 2018 Apr 5;173(2):291-304.e6. doi: 10.1016/j.cell.2018.03.022. PubMed PMID: 29625048; PubMed Central PMCID: PMC5957518.
- 189: Goyal N, Tsivgoulis G, Frei D, Turk A, Baxter B, Froehler MT, Mocco J, Ishfaq MF, Malhotra K, Chang JJ, Hoit D, Eliyovich 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*. 2019 Mar 1;84(3):680-686. doi: 10.1093/neuros/nyy097. Erratum in: *Neurosurgery*. 2018 Sep 1;83(3):593. PubMed PMID: 29618102.
- 190: Hale AT, Pekala K, Theobald B, Kelly K, Wolf M, Wellons JC, Le T, Shannon CN. Predictors of post-discharge seizures in children with traumatic brain injury. *Childs Nerv Syst*. 2018 Jul;34(7):1361-1365. doi: 10.1007/s00381-018-3779-9. Epub 2018 Mar 21. PubMed PMID: 29564537.
- 191: Goyal N, Tsivgoulis G, Frei D, Turk A, Baxter B, Froehler MT, Mocco J, Pandhi A, Zand R, Malhotra K, Hoit D, Eliyovich L, Loy D, Turner RD, Mascitelli J, Espallat 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.

- 192: Sivaganesan A, Hirsch B, Phillips FM, McGirt MJ. Spine Surgery in the Ambulatory Surgery Center Setting: Value-Based Advancement or Safety Liability? *Neurosurgery*. 2018 Aug 1;83(2):159-165. doi: 10.1093/neuros/nyy057. PubMed PMID: 29538716.
- 193: Kim EJ, Wick JB, Stonko DP, Chotai S, Freeman TH Jr, Douleh DG, Mistry AM, Parker SL, Devin CJ. Timing of Operative Intervention in Traumatic Spine Injuries Without Neurological Deficit. *Neurosurgery*. 2018 Nov 1;83(5):1015-1022. doi: 10.1093/neuros/nyx569. PubMed PMID: 29529296.
- 194: Munich SA, Cress MC, Rangel-Castilla L, Sonig A, Ogilvy CS, Lanzino G, Petr O, Mocco J, Morone PJ, Snyder KV, Hopkins LN, Siddiqui AH, Levy EI. Neck Remnants and the Risk of Aneurysm Rupture After Endovascular Treatment With Coiling or Stent-Assisted Coiling: Much Ado About Nothing? *Neurosurgery*. 2019 Feb 1;84(2):421-427. doi: 10.1093/neuros/nyy056. PubMed PMID: 29528449.
- 195: Watchmaker JM, Frederick BD, Fusco MR, Davis LT, Juttukonda MR, Lants SK, Kirshner HS, Donahue MJ. Clinical Use of Cerebrovascular Compliance Imaging to Evaluate Revascularization in Patients With Moyamoya. *Neurosurgery*. 2019 Jan 1;84(1):261-271. doi: 10.1093/neuros/nyx635. PubMed PMID: 29528447; PubMed Central PMCID: PMC6500903.
- 196: Hughes CG, Patel MB, Brummel NE, Thompson JL, McNeil JB, Pandharipande PP, Jackson JC, Chandrasekhar R, Ware LB, Ely EW, Girard TD. Relationships between markers of neurologic and endothelial injury during critical illness and long-term cognitive impairment and disability. *Intensive Care Med*. 2018 Mar;44(3):345-355. doi: 10.1007/s00134-018-5120-1. Epub 2018 Mar 9. PubMed PMID: 29523900; PubMed Central PMCID: PMC5870884.
- 197: Schertz M, Constantini S, Eshel R, Sela AH, Roth J, Fattal-Valevski A. Neurodevelopmental outcomes in children with large temporal arachnoid cysts. *J Neurosurg Pediatr*. 2018 Jun;21(6):578-586. doi: 10.3171/2017.11.PEDS17490. Epub 2018 Mar 9. PubMed PMID: 29521605.
- 198: Petok JR, Myers CE, Pa J, Hobel Z, Wharton DM, Medina LD, Casado M, Coppola G, Gluck MA, Ringman JM. Impairment of memory generalization in preclinical autosomal dominant Alzheimer's disease mutation carriers. *Neurobiol Aging*. 2018 May;65:149-157. doi: 10.1016/j.neurobiolaging.2018.01.022. Epub 2018 Feb 8. PubMed PMID: 29494861; PubMed Central PMCID: PMC5871602.
- 199: Zuckerman SL, Bilsky MH, Laufer I. Chordomas of the Skull Base, Mobile Spine, and Sacrum: An Epidemiologic Investigation of Presentation, Treatment, and Survival. *World Neurosurg*. 2018 May;113:e618-e627. doi: 10.1016/j.wneu.2018.02.109. Epub 2018 Feb 25. PubMed PMID: 29486315.
- 200: Chen Y, Patel MB, McNaughton CD, Malin BA. Interaction patterns of trauma providers are associated with length of stay. *J Am Med Inform Assoc*. 2018 Jul 1;25(7):790-799. doi: 10.1093/jamia/ocy009. PubMed PMID: 29481625; PubMed Central PMCID: PMC6016682.
- 201: Wylie SA, Bashore TR, Van Wouwe NC, Mason EJ, John KD, Neimat JS, Ally BA. Exposing an "Intangible" Cognitive Skill among Collegiate Football Players: Enhanced Interference Control. *Front Psychol*. 2018 Feb 9;9:49. doi: 10.3389/fpsyg.2018.00049. eCollection 2018. PubMed PMID: 29479325; PubMed Central PMCID: PMC5811505.
- 202: Humble SS, Wilson LD, Wang L, Long DA, Smith MA, Siktberg JC, Mirhoseini MF, Bhatia A, Pruthi S, Day MA, Muehlschlegel S, Patel MB. Prognosis of diffuse axonal injury with traumatic brain injury. *J Trauma Acute Care Surg*. 2018 Jul;85(1):155-159. doi: 10.1097/TA.0000000000001852. PubMed PMID: 29462087; PubMed Central PMCID: PMC6026031.

- 203: 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.
- 204: Kumar R, Lim J, Mekary RA, Rattani A, Dewan MC, Sharif SY, Osorio-Fonseca E, Park KB. Traumatic Spinal Injury: Global Epidemiology and Worldwide Volume. *World Neurosurg*. 2018 May;113:e345-e363. doi: 10.1016/j.wneu.2018.02.033. Epub 2018 Feb 14. Review. PubMed PMID: 29454115.
- 205: Gunduz A, Foote KD, Okun MS. Reengineering deep brain stimulation for movement disorders: Emerging technologies. *Curr Opin Biomed Eng*. 2017 Dec;4:97-105. doi: 10.1016/j.cobme.2017.09.001. Epub 2017 Sep 19. PubMed PMID: 29450404; PubMed Central PMCID: PMC5808611.
- 206: Mummareddy N, Mistry AM, Thompson RC, Zuckerman SL. Neurosurgery Elective for Preclinical Medical Students: 6-Year Follow-up. *World Neurosurg*. 2018 Feb;110:504-505. doi: 10.1016/j.wneu.2017.10.131. PubMed PMID: 29433166.
- 207: Sielatycki JA, Chotai S, Wick J, Sivaganesan A, Devin CJ. Intersurgeon Cost Variability in Anterior Cervical Discectomy and Fusion. *Spine (Phila Pa 1976)*. 2018 Aug;43(16):1125-1132. doi: 10.1097/BRS.0000000000002589. PubMed PMID: 29419721.
- 208: Englot DJ, Rolston JD. Memory decline from hippocampal electrodes? Let's not forget statistics and study design. *Epilepsia*. 2018 Feb;59(2):502-503. doi: 10.1111/epi.13976. PubMed PMID: 29411377; PubMed Central PMCID: PMC5815167.
- 209: Patel PN, Stafford AM, Patrinely JR, Smith DK, Turner JH, Russell PT, Weaver KD, Chambless LB, Chandra RK. Risk Factors for Intraoperative and Postoperative Cerebrospinal Fluid Leaks in Endoscopic Transsphenoidal Sellar Surgery. *Otolaryngol Head Neck Surg*. 2018 May;158(5):952-960. doi: 10.1177/0194599818756272. Epub 2018 Feb 6. PubMed PMID: 29405885.
- 210: Bari AA, Mikell CB, Abosch A, Ben-Haim S, Buchanan RJ, Burton AW, Carcieri S, Cosgrove GR, D'Haese PF, Daskalakis ZJ, Eskandar EN, Gerrard JL, Goodman WK, Greenberg BD, Gross RE, Hamani C, Kiss ZHT, Konrad P, Kopell BH, Krinke L, Langevin JP, Lozano AM, Malone D, Mayberg HS, Miller JP, Patil PG, Peichel D, Petersen EA, Rezai AR, Richardson RM, Riva-Posse P, Sankar T, Schwalb JM, Simpson HB, Slavin K, Stypulkowski PH, Tosteson T, Warnke P, Willie JT, Zaghloul KA, Neimat JS, Pouratian N, Sheth SA. Charting the road forward in psychiatric neurosurgery: proceedings of the 2016 American Society for Stereotactic and Functional Neurosurgery workshop on neuromodulation for psychiatric disorders. *J Neurol Neurosurg Psychiatry*. 2018 Aug;89(8):886-896. doi: 10.1136/jnnp-2017-317082. Epub 2018 Jan 25. PubMed PMID: 29371415.
- 211: Ma D, Tu C, Sheng Q, Yang Y, Kan Z, Guo Y, Shyr Y, Scott IC, Lou X. Dynamics of Zebrafish Heart Regeneration Using an HPLC-ESI-MS/MS Approach. *J Proteome Res*. 2018 Mar 2;17(3):1300-1308. doi: 10.1021/acs.jproteome.7b00915. Epub 2018 Feb 5. PubMed PMID: 29369637.
- 212: Holzmacher JL, Reynolds C, Patel M, Maluso P, Holland S, Gamsky N, Moore H, Acquista E, Carrick M, Amdur R, Hancock H, Metzler M, Dunn J, Sarani B. Platelet transfusion does not improve outcomes in patients with brain injury on antiplatelet therapy. *Brain Inj*. 2018;32(3):325-330. doi: 10.1080/02699052.2018.1425804. Epub 2018 Jan 17. PubMed PMID: 29341793; PubMed Central

PMCID: PMC6112855.

213: Chang J, Tang N, Fang Q, Zhu K, Liu L, Xiong X, Zhu Z, Zhang B, Zhang M, Tao J. TEMPORARY REMOVAL: Inhibition of COX-2 and 5-LOX regulates the progression of colorectal cancer by promoting PTEN and suppressing PI3K/AKT pathway. *Biochem Biophys Res Commun*. 2018 Jan 13. pii: S0006-291X(18)30067-6. doi: 10.1016/j.bbrc.2018.01.061. [Epub ahead of print] PubMed PMID: 29339153.

214: Schulte ML, Fu A, Zhao P, Li J, Geng L, Smith ST, Kondo J, Coffey RJ, Johnson MO, Rathmell JC, Sharick JT, Skala MC, Smith JA, Berlin J, Washington MK, Nickels ML, Manning HC. Pharmacological blockade of ASCT2-dependent glutamine transport leads to antitumor efficacy in preclinical models. *Nat Med*. 2018 Feb;24(2):194-202. doi: 10.1038/nm.4464. Epub 2018 Jan 15. PubMed PMID: 29334372; PubMed Central PMCID: PMC5803339.

215: Miller B, Peeri NC, Nabors LB, Creed JH, Thompson ZJ, Rozmeski CM, LaRocca RV, Chowdhary S, Olson JJ, Thompson RC, Egan KM. Handedness and the risk of glioma. *J Neurooncol*. 2018 May;137(3):639-644. doi: 10.1007/s11060-018-2759-y. Epub 2018 Jan 13. PubMed PMID: 29332185; PubMed Central PMCID: PMC5924459.

216: Punchak M, Mukhopadhyay S, Sachdev S, Hung YC, Peeters S, Rattani A, Dewan M, Johnson WD, Park KB. Neurosurgical Care: Availability and Access in Low-Income and Middle-Income Countries. *World Neurosurg*. 2018 Apr;112:e240-e254. doi: 10.1016/j.wneu.2018.01.029. Epub 2018 Jan 8. PubMed PMID: 29325943.

217: Chotai S, Basem J, Gannon S, Dewan M, Shannon CN, Wellons JC, Bonfield CM. Effect of Posterior Fossa Decompression for Chiari Malformation-I on Scoliosis. *Pediatr Neurosurg*. 2018;53(2):108-115. doi: 10.1159/000485254. Epub 2018 Jan 4. PubMed PMID: 29298440.

218: Asher AL, Kerezoudis P, Mummaneni PV, Bisson EF, Glassman SD, Foley KT, Slotkin JR, Potts EA, Shaffrey ME, Shaffrey CI, Coric D, Knightly JJ, Park P, Fu KM, Devin CJ, Archer KR, Chotai S, Chan AK, Virk MS, Bydon M. Defining the minimum clinically important difference for grade I degenerative lumbar spondylolisthesis: insights from the Quality Outcomes Database. *Neurosurg Focus*. 2018 Jan;44(1):E2. doi: 10.3171/2017.10.FOCUS17554. Erratum in: *Neurosurg Focus*. 2018 Apr;44(4):E15. PubMed PMID: 29290132.

219: Chan AK, Bisson EF, Bydon M, Glassman SD, Foley KT, Potts EA, Shaffrey CI, Shaffrey ME, Coric D, Knightly JJ, Park P, Fu KM, Slotkin JR, Asher AL, Virk MS, Kerezoudis P, Chotai S, DiGiorgio AM, Chan AY, Haid RW, Mummaneni PV. Women fare best following surgery for degenerative lumbar spondylolisthesis: a comparison of the most and least satisfied patients utilizing data from the Quality Outcomes Database. *Neurosurg Focus*. 2018 Jan;44(1):E3. doi: 10.3171/2017.10.FOCUS17553. PubMed PMID: 29290130.

220: Hills J, Sivaganesan A, Khan I, Chotai S, Weisenthal B, Freeman T, Butler M, Wick J, Daryoush J, Asher A, Devin CJ. Causes and Timing of Unplanned 90-day Readmissions Following Spine Surgery. *Spine (Phila Pa 1976)*. 2018 Jul 15;43(14):991-998. doi: 10.1097/BRS.0000000000002535. PubMed PMID: 29280934.

221: 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.

- 222: Wylie SA, van Wouwe NC, Godfrey SG, Bissett PG, Logan GD, Kanoff KE, Claassen DO, Neimat JS, van den Wildenberg WPM. Dopaminergic medication shifts the balance between going and stopping in Parkinson's disease. *Neuropsychologia*. 2018 Jan 31;109:262-269. doi: 10.1016/j.neuropsychologia.2017.12.032. Epub 2017 Dec 19. PubMed PMID: 29269306.
- 223: Tokunboh I, Vales Montero M, Zopelaro Almeida MF, Sharma L, Starkman S, Szeder V, Jahan R, Liebeskind D, Gonzalez N, Demchuk A, Froehler MT, Goyal M, Lansberg MG, Lutsep H, Schwamm L, Saver JL. Visual Aids for Patient, Family, and Physician Decision Making About Endovascular Thrombectomy for Acute Ischemic Stroke. *Stroke*. 2018 Jan;49(1):90-97. doi: 10.1161/STROKEAHA.117.018715. Epub 2017 Dec 8. PubMed PMID: 29222229.
- 224: Chang EF, Kurteff G, Wilson SM. Selective Interference with Syntactic Encoding during Sentence Production by Direct Electrocortical Stimulation of the Inferior Frontal Gyrus. *J Cogn Neurosci*. 2018 Mar;30(3):411-420. doi: 10.1162/jocn\_a\_01215. Epub 2017 Dec 6. PubMed PMID: 29211650; PubMed Central PMCID: PMC5819756.
- 225: Mistry AM. Clinical correlates of subventricular zone-contacting glioblastomas: a meta-analysis. *J Neurosurg Sci*. 2017 Dec 4. doi: 10.23736/S0390-5616.17.04274-6. [Epub ahead of print] PubMed PMID: 29205011.
- 226: Ma Y, Cheng Z, Liu J, Torre-Healy L, Lathia JD, Nakano I, Guo Y, Thompson RC, Freeman ML, Wang J. Inhibition of Farnesyltransferase Potentiates NOTCH-Targeted Therapy against Glioblastoma Stem Cells. *Stem Cell Reports*. 2017 Dec 12;9(6):1948-1960. doi: 10.1016/j.stemcr.2017.10.028. Epub 2017 Nov 30. PubMed PMID: 29198824; PubMed Central PMCID: PMC5785731.
- 227: Witwer KW, Soekmadji C, Hill AF, Wauben MH, Buzás EI, Di Vizio D, Falcon-Perez JM, Gardiner C, Hochberg F, Kurochkin IV, Lötvall J, Mathivanan S, Nieuwland R, Sahoo S, Tahara H, Torrecilhas AC, Weaver AM, Yin H, Zheng L, Ghossein YS, Quesenberry P, Théry C. Updating the MISEV minimal requirements for extracellular vesicle studies: building bridges to reproducibility. *J Extracell Vesicles*. 2017 Nov 15;6(1):1396823. doi: 10.1080/20013078.2017.1396823. eCollection 2017. PubMed PMID: 29184626; PubMed Central PMCID: PMC5698937.
- 228: Mistry AM, Mistry EA. Considerations in Meta-Analyses to Understand the Value of Intravenous Thrombolysis in Current, Guideline-Based, Endovascular Practice of Stroke Treatment. *World Neurosurg*. 2017 Dec;108:961. doi: 10.1016/j.wneu.2017.08.171. PubMed PMID: 29179409.
- 229: Hale AT, Wang L, Strother MK, Chambless LB. Differentiating meningioma grade by imaging features on magnetic resonance imaging. *J Clin Neurosci*. 2018 Feb;48:71-75. doi: 10.1016/j.jocn.2017.11.013. Epub 2017 Nov 22. PubMed PMID: 29174756.
- 230: Zuckerman SL, Kelly PD, Dewan MC, Morone PJ, Yengo-Kahn AM, Magarik JA, Baticulon RE, Zusman EE, Solomon GS, Wellons JC 3rd. Predicting Resident Performance from Preresidency Factors: A Systematic Review and Applicability to Neurosurgical Training. *World Neurosurg*. 2018 Feb;110:475-484.e10. doi: 10.1016/j.wneu.2017.11.078. Epub 2017 Nov 23. Review. PubMed PMID: 29174240.
- 231: Dhar R, Rajajee V, Finley Caulfield A, Maas MB, James ML, Kumar AB, Figueroa SA, McDonagh D, Ardelt A. The State of Neurocritical Care Fellowship Training and Attitudes toward Accreditation and Certification: A Survey of Neurocritical Care Fellowship Program Directors. *Front Neurol*. 2017 Nov 3;8:548. doi: 10.3389/fneur.2017.00548. eCollection 2017. PubMed PMID: 29163327; PubMed Central PMCID: PMC5668669.
- 232: McTyre E, Ayala-Peacock D, Contessa J, Corso C, Chiang V, Chung C, Fiveash J, Ahluwalia M,

Kotecha R, Chao S, Attia A, Henson A, Hepel J, Braunstein S, Chan M. Multi-institutional competing risks analysis of distant brain failure and salvage patterns after upfront radiosurgery without whole brain radiotherapy for brain metastasis. *Ann Oncol*. 2018 Feb 1;29(2):497-503. doi: 10.1093/annonc/mdx740. PubMed PMID: 29161348.

233: Wick CC, Arnaoutakis D, Barnett SL, Rivas A, Isaacson B. Endoscopic Transcanal Transpromontorial Approach for Vestibular Schwannoma Resection: A Case Series. *Otol Neurotol*. 2017 Dec;38(10):e490-e494. doi: 10.1097/MAO.0000000000001588. PubMed PMID: 29135868.

234: Wilson DR, Sen R, Sunshine JC, Pardoll DM, Green JJ, Kim YJ. Biodegradable STING agonist nanoparticles for enhanced cancer immunotherapy. *Nanomedicine*. 2018 Feb;14(2):237-246. doi: 10.1016/j.nano.2017.10.013. Epub 2017 Nov 7. PubMed PMID: 29127039; PubMed Central PMCID: PMC6035751.

235: Schoenberg MR, Osborn KE, Mahone EM, Feigon M, Roth RM, Pliskin NH. Physician Preferences to Communicate Neuropsychological Results: Comparison of Qualitative Descriptors and a Proposal to Reduce Communication Errors. *Arch Clin Neuropsychol*. 2018 Aug 1;33(5):631-643. doi: 10.1093/arclin/acx106. PubMed PMID: 29126130.

236: Davis GA, Ellenbogen RG, Bailes J, Cantu RC, Johnston KM, Manley GT, Nagahiro S, Sills A, Tator CH, McCrory P. The Berlin International Consensus Meeting on Concussion in Sport. *Neurosurgery*. 2018 Feb 1;82(2):232-236. doi: 10.1093/neuros/nyx344. PubMed PMID: 29106653.

237: McCrory P, Meeuwisse WH, Dvořák J, Echemendia RJ, Engebretsen L, Feddermann-Demont N, McCrea M, Makdissi M, Patricios J, Schneider KJ, Sills AK. 5th International Conference on Concussion in Sport (Berlin). *Br J Sports Med*. 2017 Jun;51(11):837. doi: 10.1136/bjsports-2017-097878. PubMed PMID: 29098980.

238: Zhang J, Weinrich JAP, Russ JB, Comer JD, Bommareddy PK, DiCasoli RJ, Wright CVE, Li Y, van Roessel PJ, Kaltschmidt JA. A Role for Dystonia-Associated Genes in Spinal GABAergic Interneuron Circuitry. *Cell Rep*. 2017 Oct 17;21(3):666-678. doi: 10.1016/j.celrep.2017.09.079. PubMed PMID: 29045835; PubMed Central PMCID: PMC5658202.

239: Krucoff MO, Chan AY, Harward SC, Rahimpour S, Rolston JD, Muh C, Englot DJ. Rates and predictors of success and failure in repeat epilepsy surgery: A meta-analysis and systematic review. *Epilepsia*. 2017 Dec;58(12):2133-2142. doi: 10.1111/epi.13920. Epub 2017 Oct 10. Review. PubMed PMID: 28994113; PubMed Central PMCID: PMC5716856.

240: Wick JB, Sivaganesan A, Chotai S, Archer KR, Posey SL, Evans PT, Campbell JR, Devin CJ. Is There a Preoperative Morphine Equianalgesic Dose that Predicts Ability to Achieve a Clinically Meaningful Improvement Following Spine Surgery? *Neurosurgery*. 2018 Aug 1;83(2):245-251. doi: 10.1093/neuros/nyx382. PubMed PMID: 28973646.

241: Chotai S, Devin CJ, Archer KR, Bydon M, McGirt MJ, Nian H, Harrell FE Jr, Dittus RS, Asher AL; QOD Vanguard Sites. Effect of patients' functional status on satisfaction with outcomes 12 months after elective spine surgery for lumbar degenerative disease. *Spine J*. 2017 Dec;17(12):1783-1793. doi: 10.1016/j.spinee.2017.05.027. Epub 2017 Sep 29. PubMed PMID: 28970074.

242: Zaidat OO, Castonguay AC, Nogueira RG, Haussen DC, English JD, Satti SR, Chen J, Farid H, Borders C, Veznedaroglu E, Binning MJ, Puri A, Vora NA, Budzik RF, Dabus G, Linfante I, Janardhan V, Alshekhlee A, Abraham MG, Edgell R, Taqi MA, Khoury RE, Mokin M, Majjhoo AQ, Kabbani MR, Froehler

MT, Finch I, Ansari SA, Novakovic R, Nguyen TN. TREVO stent-retriever mechanical thrombectomy for acute ischemic stroke secondary to large vessel occlusion registry. *J Neurointerv Surg*. 2018 Jun;10(6):516-524. doi: 10.1136/neurintsurg-2017-013328. Epub 2017 Sep 29. PubMed PMID: 28963367; PubMed Central PMCID: PMC5969387.

243: 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.

244: Mistry EA, Mistry AM, Fusco MR. Response by Mistry et al to Letter Regarding Article, "Mechanical Thrombectomy Outcomes With and Without Intravenous Thrombolysis in Stroke Patients: A Meta-Analysis". *Stroke*. 2017 Nov;48(11):e334. doi: 10.1161/STROKEAHA.117.019116. Epub 2017 Sep 27. PubMed PMID: 28954925.

245: Luo M, Frisken SF, Weis JA, Clements LW, Unadkat P, Thompson RC, Golby AJ, Miga MI. Retrospective study comparing model-based deformation correction to intraoperative magnetic resonance imaging for image-guided neurosurgery. *J Med Imaging (Bellingham)*. 2017 Jul;4(3):035003. doi: 10.1117/1.JMI.4.3.035003. Epub 2017 Sep 13. PubMed PMID: 28924573; PubMed Central PMCID: PMC5596210.

246: Yang X, Clements LW, Luo M, Narasimhan S, Thompson RC, Dawant BM, Miga MI. Stereovision-based integrated system for point cloud reconstruction and simulated brain shift validation. *J Med Imaging (Bellingham)*. 2017 Jul;4(3):035002. doi: 10.1117/1.JMI.4.3.035002. Epub 2017 Sep 12. PubMed PMID: 28924572; PubMed Central PMCID: PMC5594359.

247: Zuckerman SL, Lakomkin N, Magarik JA, Vargas J, Stephens M, Akinpelu B, Spiotta AM, Ahmed A, Arthur AS, Fiorella D, Hanel R, Hirsch JA, Hui FK, James RF, Kallmes DF, Meyers PM, Niemann DB, Rasmussen P, Turner RD, Welch BG, Mocco J. Evaluation of previously embolized intracranial aneurysms: inter-and intra-rater reliability among neurosurgeons and interventional neuroradiologists. *J Neurointerv Surg*. 2018 May;10(5):462-466. doi: 10.1136/neurintsurg-2017-013231. Epub 2017 Sep 16. PubMed PMID: 28918386.

248: McCrory P, Meeuwisse W, Dvorak J, Aubry M, Bailes J, Broglio S, Cantu RC, Cassidy D, Echemendia RJ, Castellani RJ, Davis GA, Ellenbogen R, Emery C, Engebretsen L, Feddermann-Demont N, Giza CC, Guskiewicz KM, Herring S, Iverson GL, Johnston KM, Kissick J, Kutcher J, Leddy JJ, Maddocks D, Makdissi M, Manley G, McCrea M, Meehan WP, Nagahiro S, Patricios J, Putukian M, Schneider KJ, Sills A, Tator CH, Turner M, Vos PE. Infographic: Consensus statement on concussion in sport. *Br J Sports Med*. 2017 Nov;51(21):1557-1558. doi: 10.1136/bjsports-2017-098065. Epub 2017 Sep 12. PubMed PMID: 28899991.

249: Chotai S, Sivaganesan A, Parker SL, Wick JB, Stonko DP, McGirt MJ, Devin CJ. Effect of Complications within 90 Days on Cost Per Quality-Adjusted Life Year Gained Following Elective Surgery for Degenerative Lumbar Spine Disease. *Neurosurgery*. 2017 Sep 1;64(CN\_suppl\_1):157-164. doi: 10.1093/neuros/nyx356. PubMed PMID: 28899064.

250: Trager NNM, Butler JT, Harmon J, Mount J, Podbielska M, Haque A, Banik NL, Beeson CC. A Novel Aza-MBP Altered Peptide Ligand for the Treatment of Experimental Autoimmune Encephalomyelitis. *Mol Neurobiol*. 2018 Jan;55(1):267-275. doi: 10.1007/s12035-017-0739-4. PubMed PMID: 28889362; PubMed Central PMCID: PMC5808857.

251: Fischer U, Kaesmacher J, Mendes Pereira V, Chapot R, Siddiqui AH, Froehler MT, Cognard C,

Furlan AJ, Saver JL, Gralla J. Direct Mechanical Thrombectomy Versus Combined Intravenous and Mechanical Thrombectomy in Large-Artery Anterior Circulation Stroke: A Topical Review. *Stroke*. 2017 Oct;48(10):2912-2918. doi: 10.1161/STROKEAHA.117.017208. Epub 2017 Sep 8. Review. PubMed PMID: 28887391.

252: Laurent R, van Wouwe NC, Turchan M, Tolleson C, Phibbs F, Bradley E, van den Wildenberg W, Wylie SA. Motivational Sensitivities Linked to Impulsive Motor Errors in Parkinson's Disease. *J Int Neuropsychol Soc*. 2018 Feb;24(2):128-138. doi: 10.1017/S1355617717000741. Epub 2017 Aug 22. PubMed PMID: 28828997.

253: Ayala-Peacock DN, Attia A, Braunstein SE, Ahluwalia MS, Hepel J, Chung C, Contessa J, McTyre E, Peiffer AM, Lucas JT Jr, Isom S, Pajewski NM, Kotecha R, Stavas MJ, Page BR, Kleinberg L, Shen C, Taylor RB, Onyeuku NE, Hyde AT, Gorovets D, Chao ST, Corso C, Ruiz J, Watabe K, Tatter SB, Zadeh G, Chiang VLS, Fiveash JB, Chan MD. Prediction of new brain metastases after radiosurgery: validation and analysis of performance of a multi-institutional nomogram. *J Neurooncol*. 2017 Nov;135(2):403-411. doi: 10.1007/s11060-017-2588-4. Epub 2017 Aug 21. PubMed PMID: 28828698; PubMed Central PMCID: PMC5667906.

254: van den Wildenberg WPM, Ridderinkhof KR, van Wouwe NC, Neimat JS, Bashore TR, Wylie SA. Overriding actions in Parkinson's disease: Impaired stopping and changing of motor responses. *Behav Neurosci*. 2017 Oct;131(5):372-84. doi: 10.1037/bne0000210. Epub 2017 Aug 14. PubMed PMID: 28805433.

255: Roehm PC, Tint D, Chan N, Brewster R, Sukul V, Erkmen K. Endoscope-assisted repair of CSF otorrhea and temporal lobe encephaloceles via keyhole craniotomy. *J Neurosurg*. 2018 Jun;128(6):1880-1884. doi: 10.3171/2017.1.JNS161947. Epub 2017 Aug 11. PubMed PMID: 28799867.

256: Estevez-Ordonez D, Dewan MC, Feldman MJ, Montalvan-Sanchez EE, Montalvan-Sanchez DM, Rodriguez-Murillo AA, Urrutia-Argueta SA, Cherry CB, Morgan DR, Alvarez-Rodriguez R, Bonfield CM. Congenital Malformations of the Central Nervous System in Rural Western Honduras: A 6-Year Report on Trends. *World Neurosurg*. 2017 Nov;107:249-254. doi: 10.1016/j.wneu.2017.07.131. Epub 2017 Jul 29. PubMed PMID: 28765025; PubMed Central PMCID: PMC5654658.

257: Chotai S. Commentary. *Asian J Neurosurg*. 2017 Jul-Sep;12(3):407. doi: 10.4103/1793-5482.180885. PubMed PMID: 28761515; PubMed Central PMCID: PMC5532922.

258: Mummaneni PV, Bisson EF, Kerezoudis P, Glassman S, Foley K, Slotkin JR, Potts E, Shaffrey M, Shaffrey CI, Coric D, Knightly J, Park P, Fu KM, Devin CJ, Chotai S, Chan AK, Virk M, Asher AL, Bydon M. Minimally invasive versus open fusion for Grade I degenerative lumbar spondylolisthesis: analysis of the Quality Outcomes Database. *Neurosurg Focus*. 2017 Aug;43(2):E11. doi: 10.3171/2017.5.FOCUS17188. PubMed PMID: 28760035.

259: Mistry EA, Mistry AM, Nakawah MO, Chitale RV, James RF, Volpi JJ, Fusco MR. Mechanical Thrombectomy Outcomes With and Without Intravenous Thrombolysis in Stroke Patients: A Meta-Analysis. *Stroke*. 2017 Sep;48(9):2450-2456. doi: 10.1161/STROKEAHA.117.017320. Epub 2017 Jul 26. PubMed PMID: 28747462.

260: Schoenberg MR, Rum RS, Osborn KE, Werz MA. A randomized, double-blind, placebo-controlled crossover study of the effects of levetiracetam on cognition, mood, and balance in healthy older adults. *Epilepsia*. 2017 Sep;58(9):1566-1574. doi: 10.1111/epi.13849. Epub 2017 Jul 21. PubMed PMID: 28731266.

- 261: Hunter JB, O'Connell BP, Wanna GB, Bennett ML, Rivas A, Thompson RC, Haynes DS. Vestibular Schwannoma Growth With Aspirin and Other Nonsteroidal Anti-inflammatory Drugs. *Otol Neurotol*. 2017 Sep;38(8):1158-1164. doi: 10.1097/MAO.0000000000001506. PubMed PMID: 28692590.
- 262: Karimy JK, Zhang J, Kurland DB, Theriault BC, Duran D, Stokum JA, Furey CG, Zhou X, Mansuri MS, Montejo J, Vera A, DiLuna ML, Delpire E, Alper SL, Gunel M, Gerzanich V, Medzhitov R, Simard JM, Kahle KT. Inflammation-dependent cerebrospinal fluid hypersecretion by the choroid plexus epithelium in posthemorrhagic hydrocephalus. *Nat Med*. 2017 Aug;23(8):997-1003. doi: 10.1038/nm.4361. Epub 2017 Jul 10. PubMed PMID: 28692063.
- 263: O'Neal JB, Freiberg AA, Yelle MD, Jiang Y, Zhang C, Gu Y, Kong X, Jian W, O'Neal WT, Wang J. Intravenous vs Oral Acetaminophen as an Adjunct to Multimodal Analgesia After Total Knee Arthroplasty: A Prospective, Randomized, Double-Blind Clinical Trial. *J Arthroplasty*. 2017 Oct;32(10):3029-3033. doi: 10.1016/j.arth.2017.05.019. Epub 2017 May 18. PubMed PMID: 28690041; PubMed Central PMCID: PMC5605416.
- 264: Hale AT, Dewan MC, Patel B, Geck MJ, Tomycz LD. Instrumented fusion in a 12-month-old with atlanto-occipital dislocation: case report and literature review of infant occipitocervical fusion. *Childs Nerv Syst*. 2017 Aug;33(8):1253-1260. doi: 10.1007/s00381-017-3497-8. Epub 2017 Jul 6. Review. PubMed PMID: 28685261.
- 265: Lagman C, Chung LK, Chitale RV, Yang I. Dural Arteriovenous Fistula and Foix-Alajouanine Syndrome: Assessment of Functional Scores with Review of Pathogenesis. *World Neurosurg*. 2017 Oct;106:206-210. doi: 10.1016/j.wneu.2017.06.141. Epub 2017 Jun 30. Review. PubMed PMID: 28673891.
- 266: Lakomkin N, Mistry AM, Zuckerman SL, Ladner T, Kothari P, Lee NJ, Stannard B, Vasquez RA, Cheng JS. Utility of Intraoperative Monitoring in the Resection of Spinal Cord Tumors: An Analysis by Tumor Location and Anatomical Region. *Spine (Phila Pa 1976)*. 2018 Feb 15;43(4):287-294. doi: 10.1097/BRS.0000000000002300. PubMed PMID: 28658041.
- 267: Sileshi B, Newton MW, Kiptanui J, Shotwell MS, Wanderer JP, Mungai M, Scherdin J, Harris PA, Vermund SH, Sandberg WS, McEvoy MD. Monitoring Anesthesia Care Delivery and Perioperative Mortality in Kenya Utilizing a Provider-driven Novel Data Collection Tool. *Anesthesiology*. 2017 Aug;127(2):250-271. doi: 10.1097/ALN.0000000000001713. PubMed PMID: 28657959; PubMed Central PMCID: PMC5519082.
- 268: Bowerman M, Salsac C, Bernard V, Soulard C, Dionne A, Coque E, Benlefki S, Hince P, Dion PA, Butler-Browne G, Camu W, Bouchard JP, Delpire E, Rouleau GA, Raoul C, Scamps F. KCC3 loss-of-function contributes to Andermann syndrome by inducing activity-dependent neuromuscular junction defects. *Neurobiol Dis*. 2017 Oct;106:35-48. doi: 10.1016/j.nbd.2017.06.013. Epub 2017 Jun 21. PubMed PMID: 28647557.
- 269: Tapson VF, Hazelton JP, Myers J, Robertson C, Gilani R, Dunn JA, Bukur M, Croce MA, Peick A, West S, Lottenberg L, Doucet J, Miller PR, Crookes B, Gandhi RR, Croft CA, Manasia A, Hoey BA, Lieberman H, Guillaumondegui OD, Novack V, Piazza G, Goldhaber SZ. Evaluation of a Device Combining an Inferior Vena Cava Filter and a Central Venous Catheter for Preventing Pulmonary Embolism Among Critically Ill Trauma Patients. *J Vasc Interv Radiol*. 2017 Sep;28(9):1248-1254. doi: 10.1016/j.jvir.2017.05.001. Epub 2017 Jun 20. PubMed PMID: 28642012.
- 270: Huang AY, Yu D, Davis LK, Sul JH, Tsetsos F, Ramensky V, Zelaya I, Ramos EM, Osiecki L, Chen JA, McGrath LM, Illmann C, Sandor P, Barr CL, Grados M, Singer HS, Nöthen MM, Hebebrand J, King RA,

Dion Y, Rouleau G, Budman CL, Depienne C, Worbe Y, Hartmann A, Müller-Vahl KR, Stuhmann M, Aschauer H, Stamenkovic M, Schloegelhofer M, Konstantinidis A, Lyon GJ, McMahon WM, Barta C, Tarnok Z, Nagy P, Batterson JR, Rizzo R, Cath DC, Wolanczyk T, Berlin C, Malaty IA, Okun MS, Woods DW, Rees E, Pato CN, Pato MT, Knowles JA, Posthuma D, Pauls DL, Cox NJ, Neale BM, Freimer NB, Paschou P, Mathews CA, Scharf JM, Coppola G; Tourette Syndrome Association International Consortium for Genetics (TSAICG); Gilles de la Tourette Syndrome GWAS Replication Initiative (GGRI). Rare Copy Number Variants in NRXN1 and CNTN6 Increase Risk for Tourette Syndrome. *Neuron*. 2017 Jun 21;94(6):1101-1111.e7. doi: 10.1016/j.neuron.2017.06.010. PubMed PMID: 28641109; PubMed Central PMCID: PMC5568251.

271: Rolston JD, Deng H, Wang DD, Englot DJ, Chang EF. Multiple Subpial Transections for Medically Refractory Epilepsy: A Disaggregated Review of Patient-Level Data. *Neurosurgery*. 2018 May 1;82(5):613-620. doi: 10.1093/neuros/nyx311. PubMed PMID: 28637175; PubMed Central PMCID: PMC5738293.

272: Chotai S, Sivaganesan A, Sielatycki JA, Archer KR, Call R, McGirt MJ, Devin CJ. Surgeon-Level Variability in Outcomes, Cost, and Comorbidity Adjusted-Cost for Elective Lumbar Decompression and Fusion. *Neurosurgery*. 2018 Apr 1;82(4):506-515. doi: 10.1093/neuros/nyx243. PubMed PMID: 28633411.

273: Morone KA, Neimat JS, Roe AW, Friedman RM. Review of functional and clinical relevance of intrinsic signal optical imaging in human brain mapping. *Neurophotonics*. 2017 Jul;4(3):031220. doi: 10.1117/1.NPh.4.3.031220. Epub 2017 Jun 9. Review. PubMed PMID: 28630881; PubMed Central PMCID: PMC5466092.

274: Golnik KC, Law JC, Ramasamy K, Mahmoud TH, Okonkwo ON, Singh J, Arevalo JF. The Ophthalmology Surgical Competency Assessment Rubric for Vitrectomy. *Retina*. 2017 Sep;37(9):1797-1804. doi: 10.1097/IAE.0000000000001455. PubMed PMID: 28613227.

275: 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, Finocchiaro 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, Bouffett 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.

276: Vasquez RA, Chotai S, Freeman TH, Kay HF, Cheng JS, McGirt MJ, Devin CJ. Impact of Discharge Disposition on 30-Day Readmissions Following Elective Spine Surgery. *Neurosurgery*. 2017 Nov 1;81(5):772-778. doi: 10.1093/neuros/nyx114. PubMed PMID: 28605552.

277: 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.

278: 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.

279: Rattani A, Dewan MC, Hannig V, Naftel RP, Wellons JC 3rd, Jordan LC. Cerebral hemorrhage in monozygotic twins with hereditary hemorrhagic telangiectasia: case report and hemorrhagic risk evaluation. *J Neurosurg Pediatr.* 2017 Aug;20(2):164-169. doi: 10.3171/2017.3.PEDS16587. Epub 2017 May 19. PubMed PMID: 28524787.

280: Mistry EA, Mistry AM, Nakawah MO, Khattar NK, Fortuny EM, Cruz AS, Froehler MT, Chitale RV, James RF, Fusco MR, Volpi JJ. Systolic Blood Pressure Within 24 Hours After Thrombectomy for Acute Ischemic Stroke Correlates With Outcome. *J Am Heart Assoc.* 2017 May 18;6(5). pii: e006167. doi: 10.1161/JAHA.117.006167. PubMed PMID: 28522673; PubMed Central PMCID: PMC5524120.

281: Schneider BJ, Huynh L, Levin J, Rinkaekan P, Kordi R, Kennedy DJ. Does Immediate Pain Relief After an Injection into the Sacroiliac Joint with Anesthetic and Corticosteroid Predict Subsequent Pain Relief? *Pain Med.* 2018 Feb 1;19(2):244-251. doi: 10.1093/pm/pnx104. PubMed PMID: 28521006.

282: Chotai S, Zuckerman SL, Parker SL, Wick JB, Stonko DP, Hale AT, McGirt MJ, Cheng JS, Devin CJ. Healthcare Resource Utilization and Patient-Reported Outcomes Following Elective Surgery for Intradural Extramedullary Spinal Tumors. *Neurosurgery.* 2017 Oct 1;81(4):613-619. doi: 10.1093/neuros/nyw126. PubMed PMID: 28498938.

283: 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.

284: 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.

285: McGirt MJ, Parker SL, Chotai S, Pfortmiller D, Sorenson JM, Foley K, Asher AL. Predictors of extended length of stay, discharge to inpatient rehab, and hospital readmission following elective lumbar spine surgery: introduction of the Carolina-Semmes Grading Scale. *J Neurosurg Spine.* 2017 Oct;27(4):382-390. doi: 10.3171/2016.12.SPINE16928. Epub 2017 May 12. PubMed PMID: 28498068.

286: Chou KL, Elm JJ, Wielinski CL, Simon DK, Aminoff MJ, Christine CW, Liang GS, Hauser RA, Sudarsky L, Umeh CC, Voss T, Juncos J, Fang JY, Boyd JT, Bodis-Wollner I, Mari Z, Morgan JC, Wills AM, Lee SL, Parashos SA; NINDS NET-PD Investigators. Factors associated with falling in early, treated Parkinson's disease: The NET-PD LS1 cohort. *J Neurol Sci.* 2017 Jun 15;377:137-143. doi: 10.1016/j.jns.2017.04.011. Epub 2017 Apr 11. PubMed PMID: 28477684; PubMed Central PMCID: PMC5518305.

287: Mistry AM, Ganesh Kumar N, Reynolds RA, Hale AT, Wellons JC 3rd, Naftel RP. Global Diversity and Academic Success of Foreign-Trained Academic Neurosurgeons in the United States. *World*

Neurosurg. 2017 Aug;104:900-903.e1. doi: 10.1016/j.wneu.2017.04.149. Epub 2017 Apr 30. PubMed PMID: 28465272.

288: Little RB, Burt Nabors L, Olson JJ, Thompson ZJ, Rozmeski CM, LaRocca RV, Forsyth PA, Thompson RC, Oster RA, Chowdhary SA, Egan KM. Erratum to: Older age at the completion of linear growth is associated with an increased risk of adult glioma. *Cancer Causes Control*. 2017 Jul;28(7):717-718. doi: 10.1007/s10552-017-0893-z. PubMed PMID: 28455551.

289: Figueroa JM, Skog J, Akers J, Li H, Komotar R, Jensen R, Ringel F, Yang I, Kalkanis S, Thompson R, LoGuidice L, Berghoff E, Parsa A, Liao L, Curry W, Cahill D, Bettegowda C, Lang FF, Chiocca EA, Henson J, Kim R, Breakefield X, Chen C, Messer K, Hochberg F, Carter BS. Detection of wild-type EGFR amplification and EGFRvIII mutation in CSF-derived extracellular vesicles of glioblastoma patients. *Neuro Oncol*. 2017 Oct 19;19(11):1494-1502. doi: 10.1093/neuonc/nox085. PubMed PMID: 28453784; PubMed Central PMCID: PMC5737576.

290: Zakrisson 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.

291: Wellons JC 3rd, Shannon CN, Holubkov R, Riva-Cambrin J, Kulkarni AV, Limbrick DD Jr, Whitehead W, Browd S, Rozzelle C, Simon TD, Tamber MS, Oakes WJ, Drake J, Luerssen TG, Kestle J; Hydrocephalus Clinical Research Network. Shunting outcomes in posthemorrhagic hydrocephalus: results of a Hydrocephalus Clinical Research Network prospective cohort study. *J Neurosurg Pediatr*. 2017 Jul;20(1):19-29. doi: 10.3171/2017.1.PEDS16496. Epub 2017 Apr 28. PubMed PMID: 28452657.

292: Morgan VL, Englot DJ, Rogers BP, Landman BA, Cakir A, Abou-Khalil BW, Anderson AW. Magnetic resonance imaging connectivity for the prediction of seizure outcome in temporal lobe epilepsy. *Epilepsia*. 2017 Jul;58(7):1251-1260. doi: 10.1111/epi.13762. Epub 2017 Apr 27. PubMed PMID: 28448683; PubMed Central PMCID: PMC5498250.

293: McCrory P, Meeuwisse W, Dvořák J, Aubry M, Bailes J, Broglio S, Cantu RC, Cassidy D, Echemendia RJ, Castellani RJ, Davis GA, Ellenbogen R, Emery C, Engebretsen L, Feddermann-Demont N, Giza CC, Guskiewicz KM, Herring S, Iverson GL, Johnston KM, Kissick J, Kutcher J, Leddy JJ, Maddocks D, Makdissi M, Manley GT, McCrea M, Meehan WP, Nagahiro S, Patricios J, Putukian M, Schneider KJ, Sills A, Tator CH, Turner M, Vos PE. Consensus statement on concussion in sport-the 5(th) international conference on concussion in sport held in Berlin, October 2016. *Br J Sports Med*. 2017 Jun;51(11):838-847. doi: 10.1136/bjsports-2017-097699. Epub 2017 Apr 26. PubMed PMID: 28446457.

294: Echemendia RJ, Meeuwisse W, McCrory P, Davis GA, Putukian M, Leddy J, Makdissi M, Sullivan SJ, Broglio SP, Raftery M, Schneider K, Kissick J, McCrea M, Dvořák J, Sills AK, Aubry M, Engebretsen L, Loosemore M, Fuller G, Kutcher J, Ellenbogen R, Guskiewicz K, Patricios J, Herring S. The Sport Concussion Assessment Tool 5th Edition (SCAT5): Background and rationale. *Br J Sports Med*. 2017 Jun;51(11):848-850. doi: 10.1136/bjsports-2017-097506. Epub 2017 Apr 26. PubMed PMID: 28446453.

295: Echemendia RJ, Meeuwisse W, McCrory P, Davis GA, Putukian M, Leddy J, Makdissi M, Sullivan SJ, Broglio SP, Raftery M, Schneider K, Kissick J, McCrea M, Dvořák J, Sills AK, Aubry M, Engebretsen L, Loosemore M, Fuller G, Kutcher J, Ellenbogen R, Guskiewicz K, Patricios J, Herring S. The Concussion Recognition Tool 5th Edition (CRT5): Background and rationale. *Br J Sports Med*. 2017 Jun;51(11):870-871. doi: 10.1136/bjsports-2017-097508. Epub 2017 Apr 26. PubMed PMID: 28446450.

- 296: Patton SM, Wang Q, Hulgán T, Connor JR, Jia P, Zhao Z, Letendre SL, Ellis RJ, Bush WS, Samuels DC, Franklin DR, Kaur H, Iudicello J, Grant I, Kallianpur AR. Cerebrospinal fluid (CSF) biomarkers of iron status are associated with CSF viral load, antiretroviral therapy, and demographic factors in HIV-infected adults. *Fluids Barriers CNS*. 2017 Apr 21;14(1):11. doi: 10.1186/s12987-017-0058-1. PubMed PMID: 28427421; PubMed Central PMCID: PMC5399327.
- 297: Kulkarni S, Micci MA, Leser J, Shin C, Tang SC, Fu YY, Liu L, Li Q, Saha M, Li C, Enikolopov G, Becker L, Rakhilin N, Anderson M, Shen X, Dong X, Butte MJ, Song H, Southard-Smith EM, Kapur RP, Bogunovic M, Pasricha PJ. Adult enteric nervous system in health is maintained by a dynamic balance between neuronal apoptosis and neurogenesis. *Proc Natl Acad Sci U S A*. 2017 May 2;114(18):E3709-E3718. doi: 10.1073/pnas.1619406114. Epub 2017 Apr 18. PubMed PMID: 28420791; PubMed Central PMCID: PMC5422809.
- 298: Harward SC, Chen WC, Rolston JD, Haglund MM, Englot DJ. Seizure Outcomes in Occipital Lobe and Posterior Quadrant Epilepsy Surgery: A Systematic Review and Meta-Analysis. *Neurosurgery*. 2018 Mar 1;82(3):350-358. doi: 10.1093/neuros/nyx158. PubMed PMID: 28419330; PubMed Central PMCID: PMC5640459.
- 299: Wharen RE Jr, Okun MS, Guthrie BL, Uitti RJ, Larson P, Foote K, Walker H, Marshall FJ, Schwalb J, Ford B, Jankovic J, Simpson R, Dashtipour K, Phibbs F, Neimat JS, Stewart RM, Peichel D, Pahwa R, Ostrem JL; SJM DBS ET Study Group. Thalamic DBS with a constant-current device in essential tremor: A controlled clinical trial. *Parkinsonism Relat Disord*. 2017 Jul;40:18-26. doi: 10.1016/j.parkreldis.2017.03.017. Epub 2017 Mar 30. PubMed PMID: 28400200.
- 300: Chotai S, Wright PW, Hale AT, Jones WA, McGirt MJ, Patt JC, Devin CJ. Does Intrawound Vancomycin Application During Spine Surgery Create Vancomycin-Resistant Organism? *Neurosurgery*. 2017 May 1;80(5):746-753. doi: 10.1093/neuros/nyw097. PubMed PMID: 28387851.
- 301: Capoor MN, Ruzicka F, Schmitz JE, James GA, Machackova T, Jancalek R, Smrcka M, Lipina R, Ahmed FS, Alamin TF, Anand N, Baird JC, Bhatia N, Demir-Deviren S, Eastlack RK, Fisher S, Garfin SR, Gogia JS, Gokaslan ZL, Kuo CC, Lee YP, Mavrommatis K, Michu E, Noskova H, Raz A, Sana J, Shamie AN, Stewart PS, Stonemetz JL, Wang JC, Witham TF, Coscia MF, Birkenmaier C, Fischetti VA, Slaby O. *Propionibacterium acnes* biofilm is present in intervertebral discs of patients undergoing microdiscectomy. *PLoS One*. 2017 Apr 3;12(4):e0174518. doi: 10.1371/journal.pone.0174518. eCollection 2017. PubMed PMID: 28369127; PubMed Central PMCID: PMC5378350.
- 302: Zuckerman SL, Kreines F, Powers A, Iorgulescu JB, Elder JB, Bilsky MH, Laufer I. Stabilization of Tumor-Associated Craniovertebral Junction Instability: Indications, Operative Variables, and Outcomes. *Neurosurgery*. 2017 Aug 1;81(2):251-258. doi: 10.1093/neuros/nyx070. PubMed PMID: 28368478.
- 303: Mehta SR, Pérez-Santiago J, Hulgán T, Day TR, Barnholtz-Sloan J, Gittleman H, Letendre S, Ellis R, Heaton R, Patton S, Suben JD, Franklin D, Rosario D, Clifford DB, Collier AC, Marra CM, Gelman BB, McArthur J, McCutchan A, Morgello S, Simpson D, Connor J, Grant I, Kallianpur A. Cerebrospinal fluid cell-free mitochondrial DNA is associated with HIV replication, iron transport, and mild HIV-associated neurocognitive impairment. *J Neuroinflammation*. 2017 Mar 31;14(1):72. doi: 10.1186/s12974-017-0848-z. PubMed PMID: 28359324; PubMed Central PMCID: PMC5374652.
- 304: Parker SL, Chotai S, Devin CJ, Tetreault L, Mroz TE, Brodke DS, Fehlings MG, McGirt MJ. Bending the Cost Curve-Establishing Value in Spine Surgery. *Neurosurgery*. 2017 Mar 1;80(3S):S61-S69. doi: 10.1093/neuros/nyw081. PubMed PMID: 28350948.

305: Adogwa O, Elsamadicy AA, Han JL, Karikari IO, Cheng J, Bagley CA. 30-Day Readmission After Spine Surgery: An Analysis of 1400 Consecutive Spine Surgery Patients. *Spine (Phila Pa 1976)*. 2017 Apr 1;42(7):520-524. doi: 10.1097/BRS.0000000000001779. PubMed PMID: 28350632.

306: Vijayan RC, Thompson RC, Chambless LB, Morone PJ, He L, Clements LW, Griesenauer RH, Kang H, Miga MI. Android application for determining surgical variables in brain-tumor resection procedures. *J Med Imaging (Bellingham)*. 2017 Jan;4(1):015003. doi: 10.1117/1.JMI.4.1.015003. Epub 2017 Mar 2. PubMed PMID: 28331887; PubMed Central PMCID: PMC5333766.

307: Fang JY, Tolleson C. The role of deep brain stimulation in Parkinson's disease: an overview and update on new developments. *Neuropsychiatr Dis Treat*. 2017 Mar 7;13:723-732. doi: 10.2147/NDT.S113998. eCollection 2017. Review. PubMed PMID: 28331322; PubMed Central PMCID: PMC5349504.

308: Mason EJ, Hussey EP, Molitor RJ, Ko PC, Donahue MJ, Ally BA. Family History of Alzheimer's Disease is Associated with Impaired Perceptual Discrimination of Novel Objects. *J Alzheimers Dis*. 2017;57(3):735-745. doi: 10.3233/JAD-160772. PubMed PMID: 28304286; PubMed Central PMCID: PMC5389043.

309: Rosewich H, Sweney MT, DeBrosse S, Ess K, Ozelius L, Andermann E, Andermann F, Andrasco G, Belgrade A, Brashear A, Ciccodicola S, Egan L, George AL Jr, Lewelt A, Magelby J, Merida M, Newcomb T, Platt V, Poncelin D, Reyna S, Sasaki M, Sotero de Menezes M, Sweadner K, Viollet L, Zupanc M, Silver K, Swoboda K. Research conference summary from the 2014 International Task Force on ATP1A3-Related Disorders. *Neurol Genet*. 2017 Mar 2;3(2):e139. doi: 10.1212/NXG.0000000000000139. eCollection 2017 Apr. PubMed PMID: 28293679; PubMed Central PMCID: PMC5335249.

310: Sivaganesan A, Chotai S, White-Dzuro G, McGirt MJ, Devin CJ. The effect of NSAIDs on spinal fusion: a cross-disciplinary review of biochemical, animal, and human studies. *Eur Spine J*. 2017 Nov;26(11):2719-2728. doi: 10.1007/s00586-017-5021-y. Epub 2017 Mar 10. Review. PubMed PMID: 28283838.

311: Chueh JY, van der Marel K, Gounis MJ, LeMatty T, Brown TR, Ansari SA, Carroll TJ, Buck AK, Zhou XJ, Chatterjee AR, King RM, Mao H, Zheng S, Brooks OW, Rappleye JW, Swartz RH, Feldmann E, Turan TN. Development of a high resolution MRI intracranial atherosclerosis imaging phantom. *J Neurointerv Surg*. 2018 Feb;10(2):143-149. doi: 10.1136/neurintsurg-2016-012974. Epub 2017 Mar 9. PubMed PMID: 28280114; PubMed Central PMCID: PMC6028932.

312: Little RB, Nabors LB, Olson JJ, Thompson ZJ, Rozmeski CM, LaRocca RV, Forsyth PA, Thompson RC, Oster RA, Chowdhary SA, Egan KM. Older age at the completion of linear growth is associated with an increased risk of adult glioma. *Cancer Causes Control*. 2017 Jul;28(7):709-716. doi: 10.1007/s10552-017-0871-5. Epub 2017 Mar 4. Erratum in: *Cancer Causes Control*. 2017 Jul;28(7):717-718. PubMed PMID: 28260177; PubMed Central PMCID: PMC5469709.

313: McGirt MJ, Parker SL, Mummaneni P, Knightly J, Pfortmiller D, Foley K, Asher AL. Is the use of minimally invasive fusion technologies associated with improved outcomes after elective interbody lumbar fusion? Analysis of a nationwide prospective patient-reported outcomes registry. *Spine J*. 2017 Jul;17(7):922-932. doi: 10.1016/j.spinee.2017.02.003. Epub 2017 Feb 27. PubMed PMID: 28254672.

314: 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, Langefeld 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, Siminovitsh 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.

315: van Wouwe NC, Pallavaram S, Phibbs FT, Martinez-Ramirez D, Neimat JS, Dawant BM, D'Haese PF, Kanoff KE, van den Wildenberg WPM, Okun MS, Wylie SA. Focused stimulation of dorsal subthalamic nucleus improves reactive inhibitory control of action impulses. *Neuropsychologia.* 2017 May;99:37-47. doi: 10.1016/j.neuropsychologia.2017.02.016. Epub 2017 Feb 22. PubMed PMID: 28237741; PubMed Central PMCID: PMC5493526.

316: Zuckerman SL, Mistry A, Dewan MC, Morone PJ, Sills AK, Wellons JC 3rd, Thompson RC. In Reply to: Medical Student Recruitment into Neurosurgery: Maximizing the Pool of Talent. *World Neurosurg.* 2017 Feb;98:860. doi: 10.1016/j.wneu.2016.11.098. PubMed PMID: 28235352.

317: Chotai S, Parker SL, Sielatycki JA, Sivaganesan A, Kay HF, Wick JB, McGirt MJ, Devin CJ. Erratum to: Impact of old age on patient-report outcomes and cost utility for anterior cervical discectomy and fusion surgery for degenerative spine disease. *Eur Spine J.* 2017 Apr;26(4):1324. doi: 10.1007/s00586-017-4991-0. PubMed PMID: 28213693.

318: Vockley J, Burton B, Berry GT, Longo N, Phillips J, Sanchez-Valle A, Tanpaiboon P, Grunewald S, Murphy E, Humphrey R, Mayhew J, Bowden A, Zhang L, Cataldo J, Marsden DL, Kakkis E. UX007 for the treatment of long chain-fatty acid oxidation disorders: Safety and efficacy in children and adults following 24weeks of treatment. *Mol Genet Metab.* 2017 Apr;120(4):370-377. doi: 10.1016/j.ymgme.2017.02.005. Epub 2017 Feb 7. PubMed PMID: 28189603.

319: O'Connell BP, Hunter JB, Carlson ML, Isaacson B, Rivas A, Wanna GB. Utility of an Ultrasonic Aspirator in Transcanal Endoscopic Resection of Temporal Bone Paraganglioma. *J Neurol Surg B Skull Base.* 2017 Feb;78(1):96-98. doi: 10.1055/s-0036-1585090. Epub 2016 Jul 26. PubMed PMID: 28180050; PubMed Central PMCID: PMC5289267.

320: Camalier CR, Wang AY, McIntosh LG, Park S, Neimat JS. Subthalamic nucleus deep brain

stimulation affects distractor interference in auditory working memory. *Neuropsychologia*. 2017 Mar;97:66-71. doi: 10.1016/j.neuropsychologia.2017.02.007. Epub 2017 Feb 5. PubMed PMID: 28174049.

321: Li J, Smith JA, Dawson ES, Fu A, Nickels ML, Schulte ML, Manning HC. Optimized Translocator Protein Ligand for Optical Molecular Imaging and Screening. *Bioconj Chem*. 2017 Apr 19;28(4):1016-1023. doi: 10.1021/acs.bioconjchem.6b00711. Epub 2017 Feb 13. PubMed PMID: 28156095.

322: Calkins DJ, Pekny M, Cooper ML, Benowitz L; Lasker/IRRF Initiative on Astrocytes and Glaucomatous Neurodegeneration Participants. The challenge of regenerative therapies for the optic nerve in glaucoma. *Exp Eye Res*. 2017 Apr;157:28-33. doi: 10.1016/j.exer.2017.01.007. Epub 2017 Jan 30. Review. PubMed PMID: 28153739; PubMed Central PMCID: PMC5937264.

323: Mclvor WR, Banerjee A, Boulet JR, Bekhuis T, Tseytlin E, Torsher L, DeMaria S Jr, Rask JP, Shotwell MS, Burden A, Cooper JB, Gaba DM, Levine A, Park C, Sinz E, Steadman RH, Weinger MB. A Taxonomy of Delivery and Documentation Deviations During Delivery of High-Fidelity Simulations. *Simul Healthc*. 2017 Feb;12(1):1-8. doi: 10.1097/SIH.0000000000000184. PubMed PMID: 28146449.

324: Kim EJ, Chotai S, Archer KR, Bydon M, Asher AL, Devin CJ. Need for Two-Year Patient-Reported Outcomes Score for Lumbar Spine Surgery Is Procedure-Specific: Analysis From a Prospective Longitudinal Spine Registry. *Spine (Phila Pa 1976)*. 2017 Sep 1;42(17):1331-1338. doi: 10.1097/BRS.0000000000002087. PubMed PMID: 28146018.

325: Zuckerman SL, Magarik JA, Espaillat KB, Ganesh Kumar N, Bhatia R, Dewan MC, Morone PJ, Hermann LD, O'Duffy AE, Riebau DA, Kirshner HS, Mocco J. Implementation of an institution-wide acute stroke algorithm: Improving stroke quality metrics. *Surg Neurol Int*. 2016 Dec 21;7(Suppl 41):S1041-S1048. doi: 10.4103/2152-7806.196366. eCollection 2016. Erratum in: *Surg Neurol Int*. 2017 Jun 13;8:120. PubMed PMID: 28144480; PubMed Central PMCID: PMC5234297.

326: Goyal N, Tsivgoulis G, Frei D, Turk A, Baxter B, Froehler MT, Mocco J, Vachhani J, Hoit D, Eljovich L, Loy D, Turner RD, Mascitelli J, Espaillat K, Alexandrov AV, Alexandrov AW, Arthur AS. A multicenter study of the safety and effectiveness of mechanical thrombectomy for patients with acute ischemic stroke not meeting top-tier evidence criteria. *J Neurointerv Surg*. 2018 Jan;10(1):10-16. doi: 10.1136/neurintsurg-2016-012905. Epub 2017 Jan 31. PubMed PMID: 28143898.

327: Gorovets D, Ayala-Peacock D, Tybor DJ, Rava P, Ebner D, Cielo D, Norén G, Wazer DE, Chan M, Hepel JT. Multi-institutional Nomogram Predicting Survival Free From Salvage Whole Brain Radiation After Radiosurgery in Patients With Brain Metastases. *Int J Radiat Oncol Biol Phys*. 2017 Feb 1;97(2):246-253. doi: 10.1016/j.ijrobp.2016.09.043. Epub 2016 Oct 1. PubMed PMID: 28068233.

328: Cogswell PM, Davis TL, Strother MK, Faraco CC, Scott AO, Jordan LC, Fusco MR, Frederick BD, Hendrikse J, Donahue MJ. Impact of vessel wall lesions and vascular stenoses on cerebrovascular reactivity in patients with intracranial stenotic disease. *J Magn Reson Imaging*. 2017 Oct;46(4):1167-1176. doi: 10.1002/jmri.25602. Epub 2017 Jan 6. PubMed PMID: 28061015; PubMed Central PMCID: PMC5500451.

329: Kasotakis G, Hasenboehler EA, Streib EW, Patel N, Patel MB, Alarcon L, Bosarge PL, Love J, Haut ER, Como JJ. Operative fixation of rib fractures after blunt trauma: A practice management guideline from the Eastern Association for the Surgery of Trauma. *J Trauma Acute Care Surg*. 2017 Mar;82(3):618-626. doi: 10.1097/TA.0000000000001350. PubMed PMID: 28030502.

- 330: Laskay NMB, Arynchyna AA, McClugage SG 3rd, Hopson B, Shannon C, Ditty B, Wellons JC 3rd, Blount JP, Rocque BG. A comparison of the MOMS trial results to a contemporaneous, single-institution, postnatal closure cohort. *Childs Nerv Syst.* 2017 Apr;33(4):639-646. doi: 10.1007/s00381-016-3328-3. Epub 2016 Dec 27. PubMed PMID: 28028598; PubMed Central PMCID: PMC5383528.
- 331: Butler JT, Rodriguez W, Pallavaram S, Konrad P, Tolleson CM. Thalamic deep brain stimulation as rescue therapy for tremor following bilateral radiosurgery. *Parkinsonism Relat Disord.* 2017 Mar;36:100-102. doi: 10.1016/j.parkreldis.2016.12.017. Epub 2016 Dec 21. PubMed PMID: 28024709; PubMed Central PMCID: PMC6615464.
- 332: Sarosiek KA, Fraser C, Muthalagu N, Bhola PD, Chang W, McBrayer SK, Cantlon A, Fisch S, Golomb-Mello G, Ryan JA, Deng J, Jian B, Corbett C, Goldenberg M, Madsen JR, Liao R, Walsh D, Sedivy J, Murphy DJ, Carrasco DR, Robinson S, Moslehi J, Letai A. Developmental Regulation of Mitochondrial Apoptosis by c-Myc Governs Age- and Tissue-Specific Sensitivity to Cancer Therapeutics. *Cancer Cell.* 2017 Jan 9;31(1):142-156. doi: 10.1016/j.ccell.2016.11.011. Epub 2016 Dec 22. PubMed PMID: 28017613; PubMed Central PMCID: PMC5363285.
- 333: Ganesh Kumar N, Ladner TR, Kahn IS, Zuckerman SL, Baker CB, Skaletsky M, Cushing D, Sanborn MR, Mocco J, Ecker RD. Parent vessel occlusion for treatment of cerebral aneurysms: Is there still an indication? A series of 17 patients. *J Neurol Sci.* 2017 Jan 15;372:250-255. doi: 10.1016/j.jns.2016.11.057. Epub 2016 Nov 23. PubMed PMID: 28017223.
- 334: Xu Z, Li H, Song J, Han B, Wang Z, Cao Y, Wang S, Zhao J. Meta-Analysis of Microarray-Based Expression Profiles to Identify Differentially Expressed Genes in Intracranial Aneurysms. *World Neurosurg.* 2017 Jan;97:661-668.e7. doi: 10.1016/j.wneu.2016.10.093. Epub 2016 Oct 27. PubMed PMID: 27989982.
- 335: Maas SLN, Breakefield XO, Weaver AM. Extracellular Vesicles: Unique Intercellular Delivery Vehicles. *Trends Cell Biol.* 2017 Mar;27(3):172-188. doi: 10.1016/j.tcb.2016.11.003. Epub 2016 Dec 13. Review. PubMed PMID: 27979573; PubMed Central PMCID: PMC5318253.
- 336: Englot DJ, Hassnain KH, Rolston JD, Harward SC, Sinha SR, Haglund MM. Quality-of-life metrics with vagus nerve stimulation for epilepsy from provider survey data. *Epilepsy Behav.* 2017 Jan;66:4-9. doi: 10.1016/j.yebeh.2016.10.005. Epub 2016 Dec 11. PubMed PMID: 27974275; PubMed Central PMCID: PMC5258831.
- 337: Chotai S, Parker SL, Sielatycki JA, Sivaganesan A, Kay HF, Wick JB, McGirt MJ, Devin CJ. Impact of old age on patient-report outcomes and cost utility for anterior cervical discectomy and fusion surgery for degenerative spine disease. *Eur Spine J.* 2017 Apr;26(4):1236-1245. doi: 10.1007/s00586-016-4835-3. Epub 2016 Nov 24. Erratum in: *Eur Spine J.* 2017 Apr;26(4):1324. PubMed PMID: 27885477.
- 338: Tang D, Li J, Buck JR, Tantawy MN, Xia Y, Harp JM, Nickels ML, Meiler J, Manning HC. Evaluation of TSPO PET Ligands [(18)F]VUIIS1009A and [(18)F]VUIIS1009B: Tracers for Cancer Imaging. *Mol Imaging Biol.* 2017 Aug;19(4):578-588. doi: 10.1007/s11307-016-1027-9. PubMed PMID: 27853987; PubMed Central PMCID: PMC5634614.
- 339: Banerjee A, Slagle JM, Mercaldo ND, Booker R, Miller A, France DJ, Rawn L, Weinger MB. A simulation-based curriculum to introduce key teamwork principles to entering medical students. *BMC Med Educ.* 2016 Nov 16;16(1):295. PubMed PMID: 27852293; PubMed Central PMCID: PMC5112730.
- 340: Thigpen JC, Pearson M, Robinson KE, Andreotti C, Dunbar JP, Watson KH, Dejjardins L, Holmes L,

Byram R, Fraley C, Compas BE. Presurgical assessment of cognitive function in pediatric brain tumor patients: feasibility and initial findings. *Neurooncol Pract.* 2016 Dec;3(4):261-267. Epub 2016 Jan 24. PubMed PMID: 27833756; PubMed Central PMCID: PMC5099993.

341: Hunter JB, O'Connell BP, Chow WN, Weaver KD, Cates JM, Wanna GB. Myopericytoma of the Internal Auditory Canal. *Otol Neurotol.* 2017 Feb;38(2):e5-e7. doi: 10.1097/MAO.0000000000001281. PubMed PMID: 27832007.

342: Kohnen R, Martinez-Martin P, Benes H, Trenkwalder C, Högl B, Dunkl E, Walters AS. Validation of the Kohnen Restless Legs Syndrome-Quality of Life instrument. *Sleep Med.* 2016 Aug;24:10-17. doi: 10.1016/j.sleep.2016.04.019. Epub 2016 Aug 3. PubMed PMID: 27810174.

343: Kavanaugh G, Williams J, Morris AS, Nickels ML, Walker R, Koglin N, Stephens AW, Washington MK, Geevarghese SK, Liu Q, Ayers D, Shyr Y, Manning HC. Utility of [(18)F]FSPG PET to Image Hepatocellular Carcinoma: First Clinical Evaluation in a US Population. *Mol Imaging Biol.* 2016 Dec;18(6):924-934. PubMed PMID: 27677886; PubMed Central PMCID: PMC5641676.

344: Adogwa O, Elsamadicy AA, Mehta AI, Cheng J, Bagley CA, Karikari IO. Racial Disparities in 30-Day Readmission Rates After Elective Spine Surgery: A Single Institutional Experience. *Spine (Phila Pa 1976).* 2016 Nov 1;41(21):1677-1682. PubMed PMID: 27054453.

345: Liu S, Mitra R, Zhao MM, Fan W, Eischen CM, Yin F, Zhao Z. The Potential Roles of Long non-coding RNAs (lncRNA) in Glioblastoma Development. *Mol Cancer Ther.* 2016 Dec;15(12):2977-2986. doi: 10.1158/1535-7163.MCT-16-0320. Epub 2016 Oct 26. PubMed PMID: 27784795; PubMed Central PMCID: PMC5136321.

346: 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.

347: Kim EJ, Chotai S, Stonko DP, Wick JB, Schneider BJ, McGirt MJ, Devin CJ. Patient-reported outcomes after lumbar epidural steroid injection for degenerative spine disease in depressed versus non-depressed patients. *Spine J.* 2017 Apr;17(4):511-517. doi: 10.1016/j.spinee.2016.10.017. Epub 2016 Oct 21. PubMed PMID: 27777051.

348: Schulte ML, Hight MR, Ayers GD, Liu Q, Shyr Y, Washington MK, Manning HC. Non-Invasive Glutamine PET Reflects Pharmacological Inhibition of BRAF(V600E) In Vivo. *Mol Imaging Biol.* 2017 Jun;19(3):421-428. doi: 10.1007/s11307-016-1008-z. PubMed PMID: 27770401; PubMed Central PMCID: PMC6476310.

349: Foreman PM, Griessenauer CJ, Kicielinski KP, Schmalz PGR, Rocque BG, Fusco MR, Sullivan JC 3rd, Deveikis JP, Harrigan MR. Reliability assessment of the Biffi Scale for blunt traumatic cerebrovascular injury as detected on computer tomography angiography. *J Neurosurg.* 2017 Jul;127(1):32-35. doi: 10.3171/2016.7.JNS16849. Epub 2016 Oct 21. PubMed PMID: 27767400; PubMed Central PMCID: PMC5446307.

- 350: Laufer I, Zuckerman SL, Bird JE, Bilsky MH, Lazáry Á, Quraishi NA, Fehlings MG, Sciubba DM, Shin JH, Mesfin A, Sahgal A, Fisher CG. Predicting Neurologic Recovery after Surgery in Patients with Deficits Secondary to MESCC: Systematic Review. *Spine (Phila Pa 1976)*. 2016 Oct 15;41 Suppl 20:S224-S230. Review. PubMed PMID: 27488300; PubMed Central PMCID: PMC5581189.
- 351: 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.
- 352: Humble SS, Wilson LD, McKenna JW, Leath TC, Song Y, Davidson MA, Ehrenfeld JM, Guillaumondegui OD, Pandharipande PP, Patel MB. Tracheostomy risk factors and outcomes after severe traumatic brain injury. *Brain Inj*. 2016;30(13-14):1642-1647. Epub 2016 Oct 14. PubMed PMID: 27740854; PubMed Central PMCID: PMC5358996.
- 353: Arain AM, Azar NJ, Lagrange AH, McLean M, Singh P, Sonmezturk H, Konrad P, Neimat J, Abou-Khalil B. Temporal lobe origin is common in patients who have undergone epilepsy surgery for hypermotor seizures. *Epilepsy Behav*. 2016 Nov;64(Pt A):57-61. doi: 10.1016/j.yebeh.2016.09.019. Epub 2016 Oct 11. PubMed PMID: 27732917.
- 354: Bick SK, Folley BS, Mayer JS, Park S, Charles PD, Camalier CR, Pallavaram S, Konrad PE, Neimat JS. Subthalamic Nucleus Deep Brain Stimulation Alters Prefrontal Correlates of Emotion Induction. *Neuromodulation*. 2017 Apr;20(3):233-237. doi: 10.1111/ner.12537. Epub 2016 Oct 12. PubMed PMID: 27730703; PubMed Central PMCID: PMC5389909.
- 355: Adogwa O, Elsamadicy A, Reiser E, Ziegler C, Freischlag K, Cheng J, Bagley CA. Comparison of surgical outcomes after anterior cervical discectomy and fusion: does the intra-operative use of a microscope improve surgical outcomes. *J Spine Surg*. 2016 Mar;2(1):25-30. doi: 10.21037/jss.2016.01.04. PubMed PMID: 27683692; PubMed Central PMCID: PMC5039832.
- 356: Urrutia AA, Afzal A, Nelson J, Davidoff O, Gross KW, Haase VH. Prolyl-4-hydroxylase 2 and 3 coregulate murine erythropoietin in brain pericytes. *Blood*. 2016 Nov 24;128(21):2550-2560. Epub 2016 Sep 28. PubMed PMID: 27683416; PubMed Central PMCID: PMC5123193.
- 357: Hunter JB, Francis DO, O'Connell BP, Kabagambe EK, Bennett ML, Wanna GB, Rivas A, Thompson RC, Haynes DS. Single Institutional Experience With Observing 564 Vestibular Schwannomas: Factors Associated With Tumor Growth. *Otol Neurotol*. 2016 Dec;37(10):1630-1636. PubMed PMID: 27668793; PubMed Central PMCID: PMC5102804.
- 358: He L, Griessenauer CJ, Fusco MR, Chua MH, Stapleton CJ, Guidal BT, Thomas AJ, Ogilvy CS. Lázic Aneurysm Clip System for Microsurgical Clipping of Cerebral Aneurysms: Transition to a New Aneurysm Clip System in an Established Cerebrovascular Practice. *World Neurosurg*. 2016 Dec;96:454-459. doi: 10.1016/j.wneu.2016.09.053. Epub 2016 Sep 22. PubMed PMID: 27667573.
- 359: Mistry AM, Hale AT, Chambless LB, Weaver KD, Thompson RC, Ihrie RA. Influence of glioblastoma contact with the lateral ventricle on survival: a meta-analysis. *J Neurooncol*. 2017 Jan;131(1):125-133. doi: 10.1007/s11060-016-2278-7. Epub 2016 Sep 19. Review. PubMed PMID: 27644688; PubMed Central PMCID: PMC5262526.

360: Morales DM, Silver SA, Morgan CD, Mercer D, Inder TE, Holtzman DM, Wallendorf MJ, Rao R, McAllister JP, Limbrick DD Jr. Lumbar Cerebrospinal Fluid Biomarkers of Posthemorrhagic Hydrocephalus of Prematurity: Amyloid Precursor Protein, Soluble Amyloid Precursor Protein  $\alpha$ , and L1 Cell Adhesion Molecule. *Neurosurgery*. 2017 Jan 1;80(1):82-90. doi: 10.1227/NEU.0000000000001415. PubMed PMID: 27571524; PubMed Central PMCID: PMC5326702.

361: Tarabichi M, Poe DS, Nogueira JF, Alicandri-Ciufelli M, Badr-El-Dine M, Cohen MS, Dean M, Isaacson B, Jufas N, Lee DJ, Leuwer R, Marchioni D, Patel N, Presutti L, Rivas A. The Eustachian Tube Redefined. *Otolaryngol Clin North Am*. 2016 Oct;49(5):xvii-xx. doi: 10.1016/j.otc.2016.07.013. PubMed PMID: 27565395.

362: Mistry AM, Niesner KJ, Lake WB, Forbes JA, Shannon CN, Kasl RA, Konrad PE, Neimat JS. Neurovascular Compression at the Root Entry Zone Correlates with Trigeminal Neuralgia and Early Microvascular Decompression Outcome. *World Neurosurg*. 2016 Nov;95:208-213. doi: 10.1016/j.wneu.2016.08.040. Epub 2016 Aug 18. PubMed PMID: 27546336; PubMed Central PMCID: PMC5143191.

363: Capoor MN, Ruzicka F, Machackova T, Jancalek R, Smrcka M, Schmitz JE, Hermanova M, Sana J, Michu E, Baird JC, Ahmed FS, Maca K, Lipina R, Alamin TF, Coscia MF, Stonemetz JL, Witham T, Ehrlich GD, Gokaslan ZL, Mavrommatis K, Birkenmaier C, Fischetti VA, Slaby O. Prevalence of *Propionibacterium acnes* in Intervertebral Discs of Patients Undergoing Lumbar Microdiscectomy: A Prospective Cross-Sectional Study. *PLoS One*. 2016 Aug 18;11(8):e0161676. doi: 10.1371/journal.pone.0161676. eCollection 2016. PubMed PMID: 27536784; PubMed Central PMCID: PMC4990245.

364: 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, Sagher 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. Erratum in: *Neurosurgery*. 2018 May 1;82(5):749. PubMed PMID: 27509070; PubMed Central PMCID: PMC5888974.

365: Griessenauer CJ, Ogilvy CS, Foreman PM, Chua MH, Harrigan MR, He L, Fusco MR, Mocco JD, Stapleton CJ, Patel AB, Sonig A, Siddiqui AH, Thomas AJ. Pipeline Embolization Device for Small Intracranial Aneurysms: Evaluation of Safety and Efficacy in a Multicenter Cohort. *Neurosurgery*. 2017 Apr 1;80(4):579-587. doi: 10.1227/NEU.0000000000001377. PubMed PMID: 27489165.

366: Kahle KT, Flores B, Bharucha-Goebel D, Zhang J, Donkervoort S, Hegde M, Hussain G, Duran D, Liang B, Sun D, Bönnemann CG, Delpire E. Peripheral motor neuropathy is associated with defective kinase regulation of the KCC3 cotransporter. *Sci Signal*. 2016 Aug 2;9(439):ra77. doi: 10.1126/scisignal.aae0546. PubMed PMID: 27485015; PubMed Central PMCID: PMC5506493.

367: Humble SS, Wilson LD, Leath TC, Marshall MD, Sun DZ, Pandharipande PP, Patel MB. ICU sedation with dexmedetomidine after severe traumatic brain injury. *Brain Inj*. 2016;30(10):1266-70. doi: 10.1080/02699052.2016.1187289. Epub 2016 Jul 26. PubMed PMID: 27458990; PubMed Central PMCID: PMC5160042.

368: Lee YM, Wu A, Zuckerman SL, Stanko KM, LaChaud GY, Solomon GS, Sills AK. Obesity and neurocognitive recovery after sports-related concussion in athletes: a matched cohort study. *Phys Sportsmed*. 2016 Sep;44(3):217-22. doi: 10.1080/00913847.2016.1216718. Epub 2016 Aug 8.

PubMed PMID: 27456455.

369: Nayeri A, Chotai S, Prablek MA, Brinson PR, Douleh DG, Weaver KD, Thompson RC, Chambless L. Type 2 diabetes is an independent negative prognostic factor in patients undergoing surgical resection of a WHO grade I meningioma. *Clin Neurol Neurosurg*. 2016 Oct;149:6-10. doi: 10.1016/j.clineuro.2016.07.015. Epub 2016 Jul 17. PubMed PMID: 27450761.

370: Hughes CG, Patel MB, Jackson JC, Girard TD, Geevarghese SK, Norman BC, Thompson JL, Chandrasekhar R, Brummel NE, May AK, Elstad MR, Wasserstein ML, Goodman RB, Moons KG, Dittus RS, Ely EW, Pandharipande PP; MIND-ICU, BRAIN-ICU investigators. Surgery and Anesthesia Exposure Is Not a Risk Factor for Cognitive Impairment After Major Noncardiac Surgery and Critical Illness. *Ann Surg*. 2017 Jun;265(6):1126-1133. doi: 10.1097/SLA.0000000000001885. PubMed PMID: 27433893; PubMed Central PMCID: PMC5856253.

371: van 't Hof FN, Ruigrok YM, Lee CH, Ripke S, Anderson G, de Andrade M, Baas AF, Blankensteijn JD, Böttinger EP, Bown MJ, Broderick J, Bijlenga P, Carrell DS, Crawford DC, Crosslin DR, Ebeling C, Eriksson JG, Fornage M, Foroud T, von Und Zu Fraunberg M, Friedrich CM, Gaál EI, Gottesman O, Guo DC, Harrison SC, Hernesniemi J, Hofman A, Inoue I, Jääskeläinen JE, Jones GT, Kiemeny LA, Kivisaari R, Ko N, Koskinen S, Kubo M, Kullo IJ, Kuivaniemi H, Kurki MI, Laakso A, Lai D, Leal SM, Lehto H, LeMaire SA, Low SK, Malinowski J, McCarty CA, Milewicz DM, Mosley TH, Nakamura Y, Nakaoka H, Niemelä M, Pacheco J, Peissig PL, Pera J, Rasmussen-Torvik L, Ritchie MD, Rivadeneira F, van Rij AM, Santos-Cortez RL, Saratzis A, Slowik A, Takahashi A, Tromp G, Uitterlinden AG, Verma SS, Vermeulen SH, Wang GT; Aneurysm Consortium; Vascular Research Consortium of New Zealand, Han B, Rinkel GJ, de Bakker PI. Shared Genetic Risk Factors of Intracranial, Abdominal, and Thoracic Aneurysms. *J Am Heart Assoc*. 2016 Jul 14;5(7). pii: e002603. doi: 10.1161/JAHA.115.002603. Erratum in: *J Am Heart Assoc*. 2018 Feb 2;7(3):. PubMed PMID: 27418160; PubMed Central PMCID: PMC5015357.

372: Chotai S, Sielatycki JA, Parker SL, Sivaganesan A, Kay HL, Stonko DP, Wick JB, McGirt MJ, Devin CJ. Effect of obesity on cost per quality-adjusted life years gained following anterior cervical discectomy and fusion in elective degenerative pathology. *Spine J*. 2016 Nov;16(11):1342-1350. doi: 10.1016/j.spinee.2016.06.023. Epub 2016 Jul 6. PubMed PMID: 27394664.

373: Arteaga DF, Strother MK, Davis LT, Fusco MR, Faraco CC, Roach BA, Scott AO, Donahue MJ. Planning-free cerebral blood flow territory mapping in patients with intracranial arterial stenosis. *J Cereb Blood Flow Metab*. 2017 Jun;37(6):1944-1958. doi: 10.1177/0271678x16657573. Epub 2016 Jan 1. PubMed PMID: 27389177; PubMed Central PMCID: PMC5464691.

374: Baird R, Poenaru D, Ganey M, Hansen E, Emil S. Partnership in fellowship: Comparative analysis of pediatric surgical training and evaluation of a fellow exchange between Canada and Kenya. *J Pediatr Surg*. 2016 Oct;51(10):1704-10. doi: 10.1016/j.jpedsurg.2016.06.002. Epub 2016 Jun 13. PubMed PMID: 27389051.

375: Li J, Schulte ML, Nickels ML, Manning HC. New structure-activity relationships of N-acetamide substituted pyrazolopyrimidines as pharmacological ligands of TSPO. *Bioorg Med Chem Lett*. 2016 Aug 1;26(15):3472-7. doi: 10.1016/j.bmcl.2016.06.041. Epub 2016 Jun 16. PubMed PMID: 27353534; PubMed Central PMCID: PMC4993599.

376: White-Dzuro GA, Entezami P, Wanna G, Russell P, Chambless LB. Single Operation to Repair Multifocal Cerebrospinal Fluid Fistulae Following Gunshot Wound: A Case Report. *J Neurol Surg Rep*. 2016 Jun;77(2):e89-93. doi: 10.1055/s-0036-1584281. PubMed PMID: 27330926; PubMed Central PMCID: PMC4914715.

377: Salem M, Dolati P, Fusco MR, Ogilvy CS, Thomas AJ. Abnormal Large Central Occipital Emissary Vein: A Case Report and Review of Literature. *Cureus*. 2016 May 8;8(5):e603. doi: 10.7759/cureus.603. PubMed PMID: 27330871; PubMed Central PMCID: PMC4898981.

378: Sharma J, Bonfield C, Steinbok P. Selective dorsal rhizotomy for hereditary spastic paraparesis in children. *Childs Nerv Syst*. 2016 Aug;32(8):1489-94. doi: 10.1007/s00381-016-3122-2. Epub 2016 Jun 16. PubMed PMID: 27312078.

379: Carpenter CR, Hussain AM, Ward MJ, Zipfel GJ, Fowler S, Pines JM, Sivilotti ML. Spontaneous Subarachnoid Hemorrhage: A Systematic Review and Meta-analysis Describing the Diagnostic Accuracy of History, Physical Examination, Imaging, and Lumbar Puncture With an Exploration of Test Thresholds. *Acad Emerg Med*. 2016 Sep;23(9):963-1003. doi: 10.1111/acem.12984. Epub 2016 Sep 6. Review. PubMed PMID: 27306497; PubMed Central PMCID: PMC5018921.

380: Carlson ML, O'Connell BP, Breen JT, Wick CC, Driscoll CL, Haynes DS, Thompson RC, Isaacson B, Gidley PW, Kutz JW Jr, Van Gompel JJ, Wana GB, Raza SM, DeMonte F, Barnett SL, Link MJ. Petroclival Chondrosarcoma: A Multicenter Review of 55 Cases and New Staging System. *Otol Neurotol*. 2016 Aug;37(7):940-50. doi: 10.1097/MAO.0000000000001037. PubMed PMID: 27273403.

381: He L, Gannon S, Shannon CN, Rocque BG, Riva-Cambrin J, Naftel RP. Surgeon interrater reliability in the endoscopic assessment of cistern scarring and aqueduct patency. *J Neurosurg Pediatr*. 2016 Sep;18(3):320-4. doi: 10.3171/2016.3.PEDS15648. Epub 2016 May 27. PubMed PMID: 27231825; PubMed Central PMCID: PMC5434973.

382: Nayeri A, Brinson PR, Weaver KD, Thompson RC, Chambless LB. Factors Associated with Low Socioeconomic Status Predict Poor Postoperative Follow-up after Meningioma Resection. *J Neurol Surg B Skull Base*. 2016 Jun;77(3):226-30. doi: 10.1055/s-0035-1566122. Epub 2015 Oct 28. PubMed PMID: 27175317; PubMed Central PMCID: PMC4862855.

383: Sielatycki JA, Chotai S, Kay H, Stonko D, McGirt M, Devin CJ. Does Obesity Correlate With Worse Patient-Reported Outcomes Following Elective Anterior Cervical Discectomy and Fusion? *Neurosurgery*. 2016 Jul;79(1):69-74. doi: 10.1227/NEU.0000000000001252. PubMed PMID: 27166659.

384: 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.

385: Lagman C, Varshneya K, Sarmiento JM, Turtz AR, Chitale RV. Proposed Diagnostic Criteria, Classification Schema, and Review of Literature of Notochord-Derived Ecchordosis Physaliphora. *Cureus*. 2016 Mar 30;8(3):e547. doi: 10.7759/cureus.547. Review. PubMed PMID: 27158576; PubMed Central PMCID: PMC4854633.

386: Douleh DG, Morone PJ, Forbes JA, Thompson RC. Intracranial Marginal Zone B-Cell Lymphoma Mimicking Meningioma. *World Neurosurg*. 2016 Jul;91:676.e9-676.e12. doi: 10.1016/j.wneu.2016.04.106. Epub 2016 May 4. PubMed PMID: 27155383.

387: O'Neill KR, Wilson RJ, Burns KM, Mioton LM, Wright BT, Adogwa O, McGirt MJ, Devin CJ. Anterior Cervical Discectomy and Fusion for Adjacent Segment Disease: Clinical Outcomes and Cost Utility of Surgical Intervention. *Clin Spine Surg*. 2016 Jul;29(6):234-41. doi: 10.1097/BSD.0b013e31828ffc54.

PubMed PMID: 27137162.

388: Elsamadicy A, Adogwa O, Reiser E, Fatemi P, Cheng J, Bagley C. The Effect of Patient Race on Extent of Functional Improvement After Cervical Spine Surgery. *Spine (Phila Pa 1976)*. 2016 May;41(9):822-6. doi: 10.1097/BRS.0000000000001346. PubMed PMID: 27128256.

389: Fusco MR, Salem MM, Gross BA, Reddy AS, Ogilvy CS, Kasper EM, Thomas AJ. Preoperative Embolization of Extra-axial Hypervascular Tumors with Onyx. *J Cerebrovasc Endovasc Neurosurg*. 2016 Mar;18(1):12-8. doi: 10.7461/jcen.2016.18.1.12. Epub 2016 Mar 31. PubMed PMID: 27114961; PubMed Central PMCID: PMC4842903.

390: Zuckerman SL, Chotai S, Devin CJ, Parker SL, Stonko DP, Wick JB, Hale AT, McGirt MJ, Cheng JS. Surgical Resection of Intradural Extramedullary Spinal Tumors: Patient Reported Outcomes and Minimum Clinically Important Difference. *Spine (Phila Pa 1976)*. 2016 Dec 15;41(24):1925-1932. PubMed PMID: 27111764.

391: Snoddy MC, Sielatycki JA, Sivaganesan A, Engstrom SM, McGirt MJ, Devin CJ. Can facet joint fluid on MRI and dynamic instability be a predictor of improvement in back pain following lumbar fusion for degenerative spondylolisthesis? *Eur Spine J*. 2016 Aug;25(8):2408-15. doi: 10.1007/s00586-016-4525-1. Epub 2016 Apr 22. PubMed PMID: 27106489.

392: Sielatycki JA, Armaghani S, Silverberg A, McGirt MJ, Devin CJ, O'Neill K. Is more lordosis associated with improved outcomes in cervical laminectomy and fusion when baseline alignment is lordotic? *Spine J*. 2016 Aug;16(8):982-8. doi: 10.1016/j.spinee.2016.04.009. Epub 2016 Apr 11. PubMed PMID: 27080410.

393: 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.

394: Cook PJ, Thomas R, Kingsley PJ, Shimizu F, Montrose DC, Marnett LJ, Tabar VS, Dannenberg AJ, Benezra R. Cox-2-derived PGE2 induces Id1-dependent radiation resistance and self-renewal in experimental glioblastoma. *Neuro Oncol*. 2016 Oct;18(10):1379-89. doi: 10.1093/neuonc/now049. Epub 2016 Mar 28. PubMed PMID: 27022132; PubMed Central PMCID: PMC5035519.

395: Asher AL, Chotai S, Devin CJ, Speroff T, Harrell FE Jr, Nian H, Dittus RS, Mummaneni PV, Knightly JJ, Glassman SD, Bydon M, Archer KR, Foley KT, McGirt MJ. Inadequacy of 3-month Oswestry Disability Index outcome for assessing individual longer-term patient experience after lumbar spine surgery. *J Neurosurg Spine*. 2016 Aug;25(2):170-80. doi: 10.3171/2015.11.SPINE15872. Epub 2016 Mar 18. Erratum in: *J Neurosurg Spine*. 2016 Aug;25(2):279. PubMed PMID: 26989974.

396: Thompson EM, Hielscher T, Bouffet E, Remke M, Luu B, Gururangan S, McLendon RE, Bigner DD, Lipp ES, Perreault S, Cho YJ, Grant G, Kim SK, Lee JY, Rao AAN, Giannini C, Li KKW, Ng HK, Yao Y, Kumabe T, Tominaga T, Grajkowska WA, Perek-Polnik M, Low DCY, Seow WT, Chang KTE, Mora J, Pollack IF, Hamilton RL, Leary S, Moore AS, Ingram WJ, Hallahan AR, Jouvett A, Fèvre-Montange M, Vasiljevic A, Faure-Conter C, Shofuda T, Kagawa N, Hashimoto N, Jabado N, Weil AG, Gayden T, Wataya T, Shalaby T, Grotzer M, Zitterbart K, Sterba J, Kren L, Hortobágyi T, Klekner A, László B, Pócza T, Hauser P, Schüller U, Jung S, Jang WY, French PJ, Kros JM, van Veelen MC, Massimi L, Leonard JR,

Rubin JB, Vibhakkar R, Chambless LB, Cooper MK, Thompson RC, Faria CC, Carvalho A, Nunes S, Pimentel J, Fan X, Muraszko KM, López-Aguilar E, Lyden D, Garzia L, Shih DJH, Kijima N, Schneider C, Adamski J, Northcott PA, Kool M, Jones DTW, Chan JA, Nikolic A, Garre ML, Van Meir EG, Osuka S, Olson JJ, Jahangiri A, Castro BA, Gupta N, Weiss WA, Moxon-Emre I, Mabbott DJ, Lassaletta A, Hawkins CE, Tabori U, Drake J, Kulkarni A, Dirks P, Rutka JT, Korshunov A, Pfister SM, Packer RJ, Ramaswamy V, Taylor MD. Prognostic value of medulloblastoma extent of resection after accounting for molecular subgroup: a retrospective integrated clinical and molecular analysis. *Lancet Oncol.* 2016 Apr;17(4):484-495. doi: 10.1016/S1470-2045(15)00581-1. Epub 2016 Mar 12. PubMed PMID: 26976201; PubMed Central PMCID: PMC4907853.

397: Hacker ML, Currie AD, Molinari AL, Turchan M, Millan SM, Heusinkveld LE, Roach J, Konrad PE, Davis TL, Neimat JS, Phibbs FT, Hedera P, Byrne DW, Charles D. Subthalamic Nucleus Deep Brain Stimulation May Reduce Medication Costs in Early Stage Parkinson's Disease. *J Parkinsons Dis.* 2016;6(1):125-31. doi: 10.3233/JPD-150712. PubMed PMID: 26967937; PubMed Central PMCID: PMC4927876.

398: Ladner TR, Donahue MJ, Arteaga DF, Faraco CC, Roach BA, Davis LT, Jordan LC, Froehler MT, Strother MK. Prior Infarcts, Reactivity, and Angiography in Moyamoya Disease (PIRAMD): a scoring system for moyamoya severity based on multimodal hemodynamic imaging. *J Neurosurg.* 2017 Feb;126(2):495-503. doi: 10.3171/2015.11.JNS15562. Epub 2016 Mar 11. PubMed PMID: 26967789; PubMed Central PMCID: PMC6186491.

399: Adogwa O, Elsamadicy AA, Mehta AI, Cheng J, Bagley CA, Karikari IO. Preoperative Nutritional Status is an Independent Predictor of 30-day Hospital Readmission After Elective Spine Surgery. *Spine (Phila Pa 1976).* 2016 Sep 1;41(17):1400-4. doi: 10.1097/BRS.0000000000001551. PubMed PMID: 26953667.

400: Sielatycki JA, Chotai S, Stonko D, Wick J, Kay H, McGirt MJ, Devin CJ. Is obesity associated with worse patient-reported outcomes following lumbar surgery for degenerative conditions? *Eur Spine J.* 2016 May;25(5):1627-1633. doi: 10.1007/s00586-016-4460-1. Epub 2016 Mar 5. PubMed PMID: 26945748.

401: Griessenauer CJ, Ogilvy CS, Foreman PM, Chua MH, Harrigan MR, Stapleton CJ, Patel AB, He L, Fusco MR, Mocco J, Winkler PA, Patel AS, Thomas AJ. Pipeline Embolization Device for small paraophthalmic artery aneurysms with an emphasis on the anatomical relationship of ophthalmic artery origin and aneurysm. *J Neurosurg.* 2016 Dec;125(6):1352-1359. Epub 2016 Mar 4. PubMed PMID: 26943842.

402: 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.
- 403: Liu S, Yin F, Zhao M, Zhou C, Ren J, Huang Q, Zhao Z, Mitra R, Fan W, Fan M. The homing and inhibiting effects of hNSCs-BMP4 on human glioma stem cells. *Oncotarget*. 2016 Apr 5;7(14):17920-31. doi: 10.18632/oncotarget.7472. PubMed PMID: 26908439; PubMed Central PMCID: PMC4951260.
- 404: Zuckerman SL, Allen LA, Broome C, Bradley N, Law C, Shannon C, Wellons JC 3rd. Functional outcomes of infants with Narakas grade 1 birth-related brachial plexus palsy undergoing neurotization compared with infants who did not require surgery. *Childs Nerv Syst*. 2016 May;32(5):791-800. doi: 10.1007/s00381-016-3039-9. Epub 2016 Feb 23. PubMed PMID: 26906477.
- 405: Egan KM, Nabors LB, Thompson ZJ, Rozmeski CM, Anic GA, Olson JJ, LaRocca RV, Chowdhary SA, Forsyth PA, Thompson RC. Analgesic use and the risk of primary adult brain tumor. *Eur J Epidemiol*. 2016 Sep;31(9):917-25. doi: 10.1007/s10654-016-0129-7. Epub 2016 Feb 19. PubMed PMID: 26894804; PubMed Central PMCID: PMC4991947.
- 406: Wu A, Brovman EY, Whang EE, Ehrenfeld JM, Urman RD. The Impact of Overestimations of Surgical Control Times Across Multiple Specialties on Medical Systems. *J Med Syst*. 2016 Apr;40(4):95. doi: 10.1007/s10916-016-0457-x. Epub 2016 Feb 10. PubMed PMID: 26860918.
- 407: Moise KJ Jr, Moldenhauer JS, Bennett KA, Goodnight W, Luks FI, Emery SP, Tsao K, Moon-Grady AJ, Moore RC, Treadwell MC, Vlastos EJ, Wetjen NM. Current Selection Criteria and Perioperative Therapy Used for Fetal Myelomeningocele Surgery. *Obstet Gynecol*. 2016 Mar;127(3):593-7. doi: 10.1097/AOG.0000000000001296. PubMed PMID: 26855109.
- 408: Adamson T, Godil SS, Mehrlich M, Mendenhall S, Asher AL, McGirt MJ. Anterior cervical discectomy and fusion in the outpatient ambulatory surgery setting compared with the inpatient hospital setting: analysis of 1000 consecutive cases. *J Neurosurg Spine*. 2016 Jun;24(6):878-84. doi: 10.3171/2015.8.SPINE14284. Epub 2016 Feb 5. PubMed PMID: 26849708.
- 409: Kelly PD, Sivaganesan A, Chotai S, Parker SL, McGirt MJ, Devin CJ. Matched-pair cohort study of 1-year patient-reported outcomes following pelvic fixation. *Spine J*. 2016 Jun;16(6):742-7. doi: 10.1016/j.spinee.2016.01.191. Epub 2016 Jan 29. PubMed PMID: 26828869.
- 410: Wellons JC 3rd. Editorial: Post-untethering positioning and diuresis. *J Neurosurg Pediatr*. 2016 Jun;17(6):657-8. doi: 10.3171/2015.9.PEDS15484. Epub 2016 Jan 29. PubMed PMID: 26824598.
- 411: Ferrada P, Patel MB, Poylin V, Bruns BR, Leichtle SW, Wydo S, Sultan S, Haut ER, Robinson B. Surgery or stenting for colonic obstruction: A practice management guideline from the Eastern Association for the Surgery of Trauma. *J Trauma Acute Care Surg*. 2016 Apr;80(4):659-64. doi: 10.1097/TA.0000000000000966. Review. PubMed PMID: 26808035.
- 412: Klionsky DJ, Abdelmohsen K, Abe A, Abedin MJ, Abeliovich H, Acevedo Arozena A, Adachi H, Adams CM, Adams PD, Adeli K, Adhihetty 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, Alirezaei 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, Ariosa AR, Armstrong JL, Arnould T, Arsov I, Asanuma K, Askanas V, Asselin E, Atarashi R, Atherton SS, Atkin JD, Attardi LD, Auburger 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, Bordi 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, Engeler 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, Freysenet 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, Pattingre 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, Rubinsztejn DC, Rucker EB 3rd, Rudich A, Rudolf E, Rudolf R, Ruegg MA, Ruiz-Roldan C, Ruparelina 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, Screatton 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-Sverdllov 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, Sinicrope 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, Taegtmeier 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, Vandenbergh 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, Wehl 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, Winklhofer 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 Seiliez, Iban]. PubMed PMID: 26799652; PubMed Central PMCID: PMC4835977.

413: Ladner TR, Greenberg JK, Guerrero N, Olsen MA, Shannon CN, Yarbrough CK, Piccirillo JF, Anderson RC, Feldstein NA, Wellons JC 3rd, Smyth MD, Park TS, Limbrick DD Jr. Chiari malformation Type I surgery in pediatric patients. Part 1: validation of an ICD-9-CM code search algorithm. *J Neurosurg Pediatr*. 2016 May;17(5):519-24. doi: 10.3171/2015.10.PEDS15370. Epub 2016 Jan 22. PubMed PMID: 26799412; PubMed Central PMCID: PMC4853277.

414: Greenberg JK, Olsen MA, Yarbrough CK, Ladner TR, Shannon CN, Piccirillo JF, Anderson RC, Wellons JC 3rd, Smyth MD, Park TS, Limbrick DD Jr. Chiari malformation Type I surgery in pediatric patients. Part 2: complications and the influence of comorbid disease in California, Florida, and New York. *J Neurosurg Pediatr*. 2016 May;17(5):525-32. doi: 10.3171/2015.10.PEDS15369. Epub 2016 Jan 22. PubMed PMID: 26799408; PubMed Central PMCID: PMC4876706.

415: van der Bilt IA, Vendeville JP, van de Hoef TP, Begieneman MP, Lagrand WK, Kros JM, Wilde AA, Rinkel GJ, Niessen HW. Myocarditis in patients with subarachnoid hemorrhage: A histopathologic study. *J Crit Care*. 2016 Apr;32:196-200. doi: 10.1016/j.jcrc.2015.12.005. Epub 2015 Dec 11. PubMed PMID: 26777746.

416: Yankeelov TE, Mankoff DA, Schwartz LH, Lieberman FS, Buatti JM, Mountz JM, Erickson BJ, Fennessy FM, Huang W, Kalpathy-Cramer J, Wahl RL, Linden HM, Kinahan PE, Zhao B, Hylton NM, Gillies RJ, Clarke L, Nordstrom R, Rubin DL. Quantitative Imaging in Cancer Clinical Trials. *Clin Cancer Res*. 2016 Jan 15;22(2):284-90. doi: 10.1158/1078-0432.CCR-14-3336. Review. PubMed PMID: 26773162; PubMed Central PMCID: PMC4717912.

417: Morrissy AS, Garzia L, Shih DJ, Zuyderduyn S, Huang X, Skowron P, Remke M, Cavalli FM, Ramaswamy V, Lindsay PE, Jelveh S, Donovan LK, Wang X, Luu B, Zayne K, Li Y, Mayoh C, Thiessen N, Mercier E, Mungall KL, Ma Y, Tse K, Zeng T, Shumansky K, Roth AJ, Shah S, Farooq H, Kijima N, Holgado BL, Lee JJ, Matan-Lithwick S, Liu J, Mack SC, Manno A, Michealraj KA, Nor C, Peacock J, Qin L, Reimand J, Rolider A, Thompson YY, Wu X, Pugh T, Ally A, Bilenky M, Butterfield YS, Carlsen R, Cheng Y, Chuah E, Corbett RD, Dhalla N, He A, Lee D, Li HI, Long W, Mayo M, Plettner P, Qian JQ, Schein JE, Tam A, Wong T, Birol I, Zhao Y, Faria CC, Pimentel J, Nunes S, Shalaby T, Grotzer M, Pollack IF, Hamilton RL, Li XN, Bendel AE, Fults DW, Walter AW, Kumabe T, Tominaga T, Collins VP, Cho YJ, Hoffman C, Lyden D, Wisoff JH, Garvin JH Jr, Stearns DS, Massimi L, Schüller U, Sterba J, Zitterbart K, Puget S, Ayrault O, Dunn SE, Tirapelli DP, Carlotti CG, Wheeler H, Hallahan AR, Ingram W, MacDonald

TJ, Olson JJ, Van Meir EG, Lee JY, Wang KC, Kim SK, Cho BK, Pietsch T, Fleischhack G, Tippelt S, Ra YS, Bailey S, Lindsey JC, Clifford SC, Eberhart CG, Cooper MK, Packer RJ, Massimino M, Garre ML, Bartels U, Tabori U, Hawkins CE, Dirks P, Bouffet E, Rutka JT, Wechsler-Reya RJ, Weiss WA, Collier LS, Dupuy AJ, Korshunov A, Jones DT, Kool M, Northcott PA, Pfister SM, Largaespada DA, Mungall AJ, Moore RA, Jabado N, Bader GD, Jones SJ, Malkin D, Marra MA, Taylor MD. Divergent clonal selection dominates medulloblastoma at recurrence. *Nature*. 2016 Jan 21;529(7586):351-7. doi: 10.1038/nature16478. Epub 2016 Jan 13. PubMed PMID: 26760213; PubMed Central PMCID: PMC4936195.

418: Abramson DH, Daniels AB, Marr BP, Francis JH, Brodie SE, Dunkel IJ, Gobin YP. Intra-Arterial Chemotherapy (Ophthalmic Artery Chemosurgery) for Group D Retinoblastoma. *PLoS One*. 2016 Jan 12;11(1):e0146582. doi: 10.1371/journal.pone.0146582. eCollection 2016. PubMed PMID: 26756643; PubMed Central PMCID: PMC4710506.

419: Schulte ML, Khodadadi AB, Cuthbertson ML, Smith JA, Manning HC. 2-Amino-4-bis(aryloxybenzyl)aminobutanoic acids: A novel scaffold for inhibition of ASCT2-mediated glutamine transport. *Bioorg Med Chem Lett*. 2016 Feb 1;26(3):1044-1047. doi: 10.1016/j.bmcl.2015.12.031. Epub 2015 Dec 11. PubMed PMID: 26750251; PubMed Central PMCID: PMC4727990.

420: Patel MB, Jackson JC, Morandi A, Girard TD, Hughes CG, Thompson JL, Kiehl AL, Elstad MR, Wasserstein ML, Goodman RB, Beckham JC, Chandrasekhar R, Dittus RS, Ely EW, Pandharipande PP. Incidence and Risk Factors for Intensive Care Unit-related Post-traumatic Stress Disorder in Veterans and Civilians. *Am J Respir Crit Care Med*. 2016 Jun 15;193(12):1373-81. doi: 10.1164/rccm.201506-1158OC. PubMed PMID: 26735627; PubMed Central PMCID: PMC4910886.

421: Adogwa O, Elsamadicy AA, Han JL, Cheng J, Karikari I, Bagley CA. Do measures of surgical effectiveness at 1 year after lumbar spine surgery accurately predict 2-year outcomes? *J Neurosurg Spine*. 2016 Dec;25(6):689-696. Epub 2016 Jan 1. PubMed PMID: 26722957.

422: Nayeri A, Prablek MA, Brinson PR, Weaver KD, Thompson RC, Chambless LB. Short-term postoperative surveillance imaging may be unnecessary in elderly patients with resected WHO Grade I meningiomas. *J Clin Neurosci*. 2016 Apr;26:101-4. doi: 10.1016/j.jocn.2015.11.002. Epub 2015 Dec 18. PubMed PMID: 26707713.

423: Elsamadicy AA, Adogwa O, Cheng J, Bagley C. Pretreatment of Depression Before Cervical Spine Surgery Improves Patients' Perception of Postoperative Health Status: A Retrospective, Single Institutional Experience. *World Neurosurg*. 2016 Mar;87:214-9. doi: 10.1016/j.wneu.2015.11.067. Epub 2015 Dec 17. PubMed PMID: 26706296.

424: Sivaganesan A, Chotai S, Parker SL, Asher AL, McGirt MJ, Devin CJ. Predictors of the efficacy of epidural steroid injections for structural lumbar degenerative pathology. *Spine J*. 2016 Aug;16(8):928-34. doi: 10.1016/j.spinee.2015.11.058. Epub 2015 Dec 9. PubMed PMID: 26689476.

425: Fusco MR, Stapleton CJ, Griessenauer CJ, Thomas AJ, Ogilvy CS. Endovascular treatment of intracranial infectious aneurysms in eloquent cortex with super-selective provocative testing: Case series and literature review. *Interv Neuroradiol*. 2016 Apr;22(2):148-52. doi: 10.1177/1591019915617326. Epub 2015 Dec 14. PubMed PMID: 26672110; PubMed Central PMCID: PMC4984342.

426: Devin CJ, Chotai S, McGirt MJ, Vaccaro AR, Youssef JA, Orndorff DG, Arnold PM, Frempong-Boadu AK, Lieberman IH, Branch C, Hedayat HS, Liu A, Wang JC, Isaacs RE, Radcliff KE, Patt JC, Archer KR. Intrawound Vancomycin Decreases the Risk of Surgical Site Infection After Posterior Spine Surgery: A

Multicenter Analysis. *Spine (Phila Pa 1976)*. 2018 Jan 1;43(1):65-71. doi: 10.1097/BRS.0000000000001371. PubMed PMID: 26656042.

427: Falavigna A, Scheverin N, Righesso O, Teles AR, Gullo MC, Cheng JS, Riew KD. Economic value of treating lumbar disc herniation in Brazil. *J Neurosurg Spine*. 2016 Apr;24(4):608-14. doi: 10.3171/2015.7.SPINE15441. Epub 2015 Dec 11. PubMed PMID: 26654336.

428: Mulpur BH, Nabors LB, Thompson RC, Olson JJ, LaRocca RV, Thompson Z, Egan KM. Complementary therapy and survival in glioblastoma. *Neurooncol Pract*. 2015 Sep;2(3):122-126. Epub 2015 May 6. PubMed PMID: 26649185; PubMed Central PMCID: PMC4671323.

429: Kasl RA, Kistka HM, Turner JH, Devin JK, Chambless LB. Pituitary Apoplexy After Intravitreal Injection of Vascular Endothelial Growth Factor Inhibitor: A Novel Complication. *J Neurol Surg Rep*. 2015 Nov;76(2):e205-10. doi: 10.1055/s-0035-1554909. Epub 2015 Aug 24. PubMed PMID: 26623228; PubMed Central PMCID: PMC4648717.

430: McGirt MJ, Godil SS, Asher AL, Parker SL, Devin CJ. Quality analysis of anterior cervical discectomy and fusion in the outpatient versus inpatient setting: analysis of 7288 patients from the NSQIP database. *Neurosurg Focus*. 2015 Dec;39(6):E9. doi: 10.3171/2015.9.FOCUS15335. PubMed PMID: 26621423.

431: Chotai S, Parker SL, Sivaganesan A, Sielatycki JA, Asher AL, McGirt MJ, Devin CJ. Effect of complications within 90 days on patient-reported outcomes 3 months and 12 months following elective surgery for lumbar degenerative disease. *Neurosurg Focus*. 2015 Dec;39(6):E8. doi: 10.3171/2015.8.FOCUS15302. PubMed PMID: 26621422.

432: Parker SL, McGirt MJ, Bekelis K, Holland CM, Davies J, Devin CJ, Atkins T, Knightly J, Groman R, Zyung I, Asher AL. The National Neurosurgery Quality and Outcomes Database Qualified Clinical Data Registry: 2015 measure specifications and rationale. *Neurosurg Focus*. 2015 Dec;39(6):E4. doi: 10.3171/2015.9.FOCUS15355. PubMed PMID: 26621418.

433: Bekelis K, McGirt MJ, Parker SL, Holland CM, Davies J, Devin CJ, Atkins T, Knightly J, Groman R, Zyung I, Asher AL. The present and future of quality measures and public reporting in neurosurgery. *Neurosurg Focus*. 2015 Dec;39(6):E3. doi: 10.3171/2015.8.FOCUS15354. PubMed PMID: 26621417.

434: Parker SL, Asher AL, Godil SS, Devin CJ, McGirt MJ. Patient-reported outcomes 3 months after spine surgery: is it an accurate predictor of 12-month outcome in real-world registry platforms? *Neurosurg Focus*. 2015 Dec;39(6):E17. doi: 10.3171/2015.9.FOCUS15356. PubMed PMID: 26621415.

435: Verla T, Adogwa O, Elsamadicy A, Moreno JR, Farber H, Cheng J, Bagley CA. Effects of Psoas Muscle Thickness on Outcomes of Lumbar Fusion Surgery. *World Neurosurg*. 2016 Mar;87:283-9. doi: 10.1016/j.wneu.2015.11.022. Epub 2015 Nov 24. PubMed PMID: 26619920.

436: Kanter AS, Gandhoke GS, Welch WC, Arnold PM, Cheng JS, Okonkwo DO. A prospective, multi-center clinical and radiographic outcomes evaluation of ChronOS strip for lumbar spine fusion. *J Clin Neurosci*. 2016 Mar;25:36-40. doi: 10.1016/j.jocn.2015.08.012. Epub 2015 Nov 18. PubMed PMID: 26602602.

437: Sielatycki JA, Parker SL, Godil SS, McGirt MJ, Devin CJ. Do Patient Demographics and Patient-Reported Outcomes Predict 12-Month Loss to Follow-Up After Spine Surgery? *Spine (Phila Pa 1976)*. 2015 Dec;40(24):1934-40. doi: 10.1097/BRS.0000000000001101. PubMed PMID: 26595443.

438: Block KI, Gyllenhaal C, Lowe L, Amedei A, Amin ARM, Amin A, Aquilano K, Arbiser J, Arreola A,

Arzumanyan A, Ashraf SS, Azmi AS, Benencia F, Bhakta D, Bilsland A, Bishayee A, Blain SW, Block PB, Boosani CS, Carey TE, Carnero A, Carotenuto M, Casey SC, Chakrabarti M, Chaturvedi R, Chen GZ, Chen H, Chen S, Chen YC, Choi BK, Ciriolo MR, Coley HM, Collins AR, Connell M, Crawford S, Curran CS, Dabrosin C, Damia G, Dasgupta S, DeBerardinis RJ, Decker WK, Dhawan P, Diehl AME, Dong JT, Dou QP, Drew JE, Elkord E, El-Rayes B, Feitelson MA, Felsher DW, Ferguson LR, Fimognari C, Firestone GL, Frezza C, Fujii H, Fuster MM, Generali D, Georgakilas AG, Gieseler F, Gilbertson M, Green MF, Grue B, Guha G, Halicka D, Helferich WG, Heneberg P, Hentosh P, Hirschey MD, Hofseth LJ, Holcombe RF, Honoki K, Hsu HY, Huang GS, Jensen LD, Jiang WG, Jones LW, Karpowicz PA, Keith WN, Kerkar SP, Khan GN, Khatami M, Ko YH, Kucuk O, Kulathinal RJ, Kumar NB, Kwon BS, Le A, Lea MA, Lee HY, Lichtor T, Lin LT, Locasale JW, Lokeshwar BL, Longo VD, Lyssiotis CA, MacKenzie KL, Malhotra M, Marino M, Martinez-Chantar ML, Matheu A, Maxwell C, McDonnell E, Meeker AK, Mehrmohamadi M, Mehta K, Michelotti GA, Mohammad RM, Mohammed SI, Morre DJ, Muralidhar V, Muqbil I, Murphy MP, Nagaraju GP, Nahta R, Niccolai E, Nowsheen S, Panis C, Pantano F, Parslow VR, Pawelec G, Pedersen PL, Poore B, Poudyal D, Prakash S, Prince M, Raffaghello L, Rathmell JC, Rathmell WK, Ray SK, Reichrath J, Rezazadeh S, Ribatti D, Ricciardiello L, Robey RB, Rodier F, Rupasinghe HPV, Russo GL, Ryan EP, Samadi AK, Sanchez-Garcia I, Sanders AJ, Santini D, Sarkar M, Sasada T, Saxena NK, Shackelford RE, Shantha Kumara HMC, Sharma D, Shin DM, Sidransky D, Siegelin MD, Signori E, Singh N, Sivanand S, Sliva D, Smythe C, Spagnuolo C, Stafforini DM, Stagg J, Subbarayan PR, Sundin T, Talib WH, Thompson SK, Tran PT, Ungefroren H, Vander Heiden MG, Venkateswaran V, Vinay DS, Vlachostergios PJ, Wang Z, Wellen KE, Whelan RL, Yang ES, Yang H, Yang X, Yaswen P, Yedjou C, Yin X, Zhu J, Zollo M. Designing a broad-spectrum integrative approach for cancer prevention and treatment. *Semin Cancer Biol.* 2015 Dec;35 Suppl:S276-S304. doi: 10.1016/j.semcancer.2015.09.007. Review. PubMed PMID: 26590477; PubMed Central PMCID: PMC4819002.

439: Hoh BL, Gong Y, McDonough CW, Waters MF, Royster AJ, Sheehan TO, Burkley B, Langaee TY, Mocco J, Zuckerman SL, Mummareddy N, Stephens ML 2nd, Ingram C, Shaffer CM, Denny JC, Brilliant MH, Kitchner TE, Linneman JG, Roden DM, Johnson JA. CYP2C19 and CES1 polymorphisms and efficacy of clopidogrel and aspirin dual antiplatelet therapy in patients with symptomatic intracranial atherosclerotic disease. *J Neurosurg.* 2016 Jun;124(6):1746-51. doi: 10.3171/2015.6.JNS15795. Epub 2015 Nov 20. PubMed PMID: 26587656; PubMed Central PMCID: PMC4915569.

440: Adogwa O, Elsamadicy AA, Cheng J, Bagley C. Pretreatment of Anxiety Before Cervical Spine Surgery Improves Clinical Outcomes: A Prospective, Single-Institution Experience. *World Neurosurg.* 2016 Apr;88:625-30. doi: 10.1016/j.wneu.2015.11.014. Epub 2015 Nov 14. PubMed PMID: 26585724.

441: Nayeri A, Douleh DG, Brinson PR, Weaver KD, Thompson RC, Chambless LB. Early postoperative emergency department presentation predicts poor long-term outcomes in patients surgically treated for meningioma. *J Clin Neurosci.* 2016 Mar;25:79-83. doi: 10.1016/j.jocn.2015.09.010. Epub 2015 Nov 12. PubMed PMID: 26585383.

442: Ma Y, Tang N, Thompson RC, Mobley BC, Clark SW, Sarkaria JN, Wang J. InsR/IGF1R Pathway Mediates Resistance to EGFR Inhibitors in Glioblastoma. *Clin Cancer Res.* 2016 Apr 1;22(7):1767-76. doi: 10.1158/1078-0432.CCR-15-1677. Epub 2015 Nov 11. PubMed PMID: 26561558; PubMed Central PMCID: PMC4818693.

443: van Wouwe NC, van den Wildenberg WP, Ridderinkhof KR, Claassen DO, Neimat JS, Wylie SA. Easy to learn, hard to suppress: The impact of learned stimulus-outcome associations on subsequent action control. *Brain Cogn.* 2015 Dec;101:17-34. doi: 10.1016/j.bandc.2015.10.007. Epub 2015 Nov 8. PubMed PMID: 26554843; PubMed Central PMCID: PMC4666004.

- 444: Adogwa O, Farber SH, Fatemi P, Desai R, Elsamadicy A, Cheng J, Bagley C, Gottfried O, Isaacs RE. Do obese patients have worse outcomes after direct lateral interbody fusion compared to non-obese patients? *J Clin Neurosci*. 2016 Mar;25:54-7. doi: 10.1016/j.jocn.2015.05.056. Epub 2015 Nov 6. PubMed PMID: 26549673.
- 445: Adogwa O, Elsamadicy AA, Cheng J, Bagley C. Assessing Patient Reported Outcomes Measures via Phone Interviews Versus Patient Self-Survey in the Clinic: Are We Measuring the Same Thing? *World Neurosurg*. 2016 Mar;87:230-4. doi: 10.1016/j.wneu.2015.10.092. Epub 2015 Nov 5. PubMed PMID: 26548832.
- 446: He L, Ladner TR, Pruthi S, Day MA, Desai AA, Jordan LC, Froehler MT. Rule of 5: angiographic diameters of cervicocerebral arteries in children and compatibility with adult neurointerventional devices. *J Neurointerv Surg*. 2016 Oct;8(10):1067-71. doi: 10.1136/neurintsurg-2015-012034. Epub 2015 Nov 6. PubMed PMID: 26546602.
- 447: Khan IS, Odom M, Ehtesham M, Colvin D, Quarles CC, McLaughlin B, Singer RJ. Intraarterial administration of norcantharidin attenuates ischemic stroke damage in rodents when given at the time of reperfusion: novel uses of endovascular capabilities. *J Neurosurg*. 2016 Jul;125(1):152-9. doi: 10.3171/2015.4.JNS142400. Epub 2015 Nov 6. PubMed PMID: 26544777; PubMed Central PMCID: PMC5338686.
- 448: Bohannon JK, Luan L, Hernandez A, Afzal A, Guo Y, Patil NK, Fensterheim B, Sherwood ER. Role of G-CSF in monophosphoryl lipid A-mediated augmentation of neutrophil functions after burn injury. *J Leukoc Biol*. 2016 Apr;99(4):629-40. doi: 10.1189/jlb.4A0815-362R. Epub 2015 Nov 4. PubMed PMID: 26538529; PubMed Central PMCID: PMC4787290.
- 449: Ladner TR, He L, Davis BJ, Yang GL, Wanna GB, Mocco J. Initial experience with dual-lumen balloon catheter injection for preoperative Onyx embolization of skull base paragangliomas. *J Neurosurg*. 2016 Jun;124(6):1813-9. doi: 10.3171/2015.5.JNS15124. Epub 2015 Oct 23. PubMed PMID: 26495945.
- 450: Tonsing-Carter E, Bailey BJ, Saadatzadeh MR, Ding J, Wang H, Sinn AL, Peterman KM, Spragins TK, Silver JM, Sprouse AA, Georgiadis TM, Gunter TZ, Long EC, Minto RE, Marchal CC, Batuello CN, Safa AR, Hanenberg H, Territo PR, Sandusky GE, Mayo LD, Eischen CM, Shannon HE, Pollok KE. Potentiation of Carboplatin-Mediated DNA Damage by the Mdm2 Modulator Nutlin-3a in a Humanized Orthotopic Breast-to-Lung Metastatic Model. *Mol Cancer Ther*. 2015 Dec;14(12):2850-63. doi: 10.1158/1535-7163.MCT-15-0237. Epub 2015 Oct 22. PubMed PMID: 26494859; PubMed Central PMCID: PMC4674357.
- 451: Park JE, Kim HS, Park KJ, Kim SJ, Kim JH, Smith SA. Pre- and Posttreatment Glioma: Comparison of Amide Proton Transfer Imaging with MR Spectroscopy for Biomarkers of Tumor Proliferation. *Radiology*. 2016 Feb;278(2):514-23. doi: 10.1148/radiol.2015142979. Epub 2015 Aug 19. PubMed PMID: 26491847.
- 452: Miga MI, Sun K, Chen I, Clements LW, Pheiffer TS, Simpson AL, Thompson RC. Clinical evaluation of a model-updated image-guidance approach to brain shift compensation: experience in 16 cases. *Int J Comput Assist Radiol Surg*. 2016 Aug;11(8):1467-74. doi: 10.1007/s11548-015-1295-x. Epub 2015 Oct 17. PubMed PMID: 26476637; PubMed Central PMCID: PMC4834281.
- 453: Archer KR, Devin CJ, Vanston SW, Koyama T, Phillips SE, Mathis SL, George SZ, McGirt MJ, Spengler DM, Aaronson OS, Cheng JS, Wegener ST. Cognitive-Behavioral-Based Physical Therapy for Patients With Chronic Pain Undergoing Lumbar Spine Surgery: A Randomized Controlled Trial. *J Pain*.

2016 Jan;17(1):76-89. doi: 10.1016/j.jpain.2015.09.013. Epub 2015 Oct 23. Erratum in: J Pain. 2017 Apr;18(4):477. PubMed PMID: 26476267; PubMed Central PMCID: PMC4709178.

454: Brown BL, Lopes D, Miller DA, Tawk RG, Brasiliense LB, Ringer A, Sauvageau E, Powers CJ, Arthur A, Hoit D, Snyder K, Siddiqui A, Levy E, Hopkins LN, Cuellar H, Rodriguez-Mercado R, Veznedaroglu E, Binning M, Mocco J, Aguilar-Salinas P, Boulos A, Yamamoto J, Hanel RA. The fate of cranial neuropathy after flow diversion for carotid aneurysms. J Neurosurg. 2016 Apr;124(4):1107-13. doi: 10.3171/2015.4.JNS142790. Epub 2015 Oct 16. PubMed PMID: 26473786.

455: Sweeney AD, Osetinsky LM, Carlson ML, Valenzuela CV, Frisch CD, Netterville JL, Link MJ, Driscoll CL, Haynes DS. The Natural History and Management of Petrous Apex Cholesterol Granulomas. Otol Neurotol. 2015 Dec;36(10):1714-9. doi: 10.1097/MAO.0000000000000862. PubMed PMID: 26427636.

456: Jiang Z, Guo M, Shi C, Wang H, Yao L, Liu L, Xie C, Pu S, LaChaud G, Shen J, Zhu M, Mu L, Ge H, Long Y, Wang X, Song Y, Sun J, Hou X, Zarringhalam A, Park SH, Shi C, Shen H, Lin Z. Protection against cognitive impairment and modification of epileptogenesis with curcumin in a post-status epilepticus model of temporal lobe epilepsy. Neuroscience. 2015 Dec 3;310:362-71. doi: 10.1016/j.neuroscience.2015.09.058. Epub 2015 Sep 28. PubMed PMID: 26415768.

457: Le TM, Wellons JC 3rd. Editorial: Television sets and traumatic brain injury. J Neurosurg Pediatr. 2016 Jan;17(1):1-2. doi: 10.3171/2015.2.PEDS1582. Epub 2015 Sep 29. PubMed PMID: 26415582.

458: Adogwa O, Elsamadicy AA, Han J, Cheng J, Bagley C. WITHDRAWN: Outcomes After Anterior Lumbar Interbody Fusion Versus Transforaminal Lumbar Interbody Fusion for the Treatment of Symptomatic L5-S1 Spondylolisthesis: A Prospective, Multi-Institutional Comparative Effectiveness Study. World Neurosurg. 2015 Sep 25. pii: S1878-8750(15)01214-0. doi: 10.1016/j.wneu.2015.09.051. [Epub ahead of print] PubMed PMID: 26409090.

459: Sanders SJ, He X, Willsey AJ, Ercan-Sencicek AG, Samocha KE, Cicek AE, Murtha MT, Bal VH, Bishop SL, Dong S, Goldberg AP, Jinlu C, Keaney JF 3rd, Klei L, Mandell JD, Moreno-De-Luca D, Poultney CS, Robinson EB, Smith L, Solli-Nowlan T, Su MY, Teran NA, Walker MF, Werling DM, Beaudet AL, Cantor RM, Fombonne E, Geschwind DH, Grice DE, Lord C, Lowe JK, Mane SM, Martin DM, Morrow EM, Talkowski ME, Sutcliffe JS, Walsh CA, Yu TW; Autism Sequencing Consortium, Ledbetter DH, Martin CL, Cook EH, Buxbaum JD, Daly MJ, Devlin B, Roeder K, State MW. Insights into Autism Spectrum Disorder Genomic Architecture and Biology from 71 Risk Loci. Neuron. 2015 Sep 23;87(6):1215-1233. doi: 10.1016/j.neuron.2015.09.016. PubMed PMID: 26402605; PubMed Central PMCID: PMC4624267.

460: Kistka HM, Kasl RA, Nayeri A, Utz AL, Weaver KD, Chambless LB. Imaging of Resected Nonfunctioning pituitary neuroendocrine tumors: The Cost of Surveillance. J Neurol Surg B Skull Base. 2015 Sep;76(5):344-50. doi: 10.1055/s-0035-1549307. Epub 2015 May 8. PubMed PMID: 26401475; PubMed Central PMCID: PMC4569503.

461: 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.

462: Waldrop R, Cheng J, Devin C, McGirt M, Fehlings M, Berven S. The Burden of Spinal Disorders in the Elderly. Neurosurgery. 2015 Oct;77 Suppl 4:S46-50. doi: 10.1227/NEU.0000000000000950. Review. PubMed PMID: 26378357.

463: O'Lynnger TM, Zuckerman SL, Morone PJ, Dewan MC, Vasquez-Castellanos RA, Cheng JS. Trends for Spine Surgery for the Elderly: Implications for Access to Healthcare in North America. *Neurosurgery*. 2015 Oct;77 Suppl 4:S136-41. doi: 10.1227/NEU.0000000000000945. Review. PubMed PMID: 26378351.

464: McGirt MJ, Parker SL, Hilibrand A, Mummaneni P, Glassman SD, Devin CJ, Asher AL. Lumbar Surgery in the Elderly Provides Significant Health Benefit in the US Health Care System: Patient-Reported Outcomes in 4370 Patients From the N2QOD Registry. *Neurosurgery*. 2015 Oct;77 Suppl 4:S125-35. doi: 10.1227/NEU.0000000000000952. PubMed PMID: 26378350.

465: Devin CJ, Chotai S, Parker SL, Tetreault L, Fehlings MG, McGirt MJ. A Cost-Utility Analysis of Lumbar Decompression With and Without Fusion for Degenerative Spine Disease in the Elderly. *Neurosurgery*. 2015 Oct;77 Suppl 4:S116-24. doi: 10.1227/NEU.0000000000000949. PubMed PMID: 26378349.

466: Tulipan N, Wellons JC 3rd, Thom EA, Gupta N, Sutton LN, Burrows PK, Farmer D, Walsh W, Johnson MP, Rand L, Tolivaisa S, D'alton ME, Adzick NS; MOMS Investigators. Prenatal surgery for myelomeningocele and the need for cerebrospinal fluid shunt placement. *J Neurosurg Pediatr*. 2015 Dec;16(6):613-20. doi: 10.3171/2015.7.PEDS15336. Epub 2015 Sep 15. PubMed PMID: 26369371; PubMed Central PMCID: PMC5206797.

467: Gillis CC, Eichholz K, Thoman WJ, Fessler RG. A minimally invasive approach to defects of the pars interarticularis: Restoring function in competitive athletes. *Clin Neurol Neurosurg*. 2015 Dec;139:29-34. doi: 10.1016/j.clineuro.2015.08.024. Epub 2015 Aug 28. PubMed PMID: 26363364.

468: Zuckerman SL, Mistry AM, Hanif R, Chambless LB, Neimat JS, Wellons JC 3rd, Mocco J, Sills AK, McGirt MJ, Thompson RC. Neurosurgery Elective for Preclinical Medical Students: Early Exposure and Changing Attitudes. *World Neurosurg*. 2016 Feb;86:120-6. doi: 10.1016/j.wneu.2015.08.081. Epub 2015 Sep 7. PubMed PMID: 26361323.

469: Laurent LC, Abdel-Mageed AB, Adelson PD, Arango J, Balaj L, Breakefield X, Carlson E, Carter BS, Majem B, Chen CC, Cocucci E, Danielson K, Courtright A, Das S, Abd Elmageed ZY, Enderle D, Ezrin A, Ferrer M, Freedman J, Galas D, Gandhi R, Huentelman MJ, Van Keuren-Jensen K, Kalani Y, Kim Y, Krichevsky AM, Lai C, Lal-Nag M, Laurent CD, Leonardo T, Li F, Malenica I, Mondal D, Nejad P, Patel T, Raffai RL, Rubio R, Skog J, Spetzler R, Sun J, Tanriverdi K, Vickers K, Wang L, Wang Y, Wei Z, Weiner HL, Wong D, Yan IK, Yeri A, Gould S. Meeting report: discussions and preliminary findings on extracellular RNA measurement methods from laboratories in the NIH Extracellular RNA Communication Consortium. *J Extracell Vesicles*. 2015 Aug 28;4:26533. doi: 10.3402/jev.v4.26533. eCollection 2015. PubMed PMID: 26320937; PubMed Central PMCID: PMC4553263.

470: Hacker ML, Tonascia J, Turchan M, Currie A, Heusinkveld L, Konrad PE, Davis TL, Neimat JS, Phibbs FT, Hedera P, Wang L, Shi Y, Shade DM, Sternberg AL, Drye LT, Charles D. Deep brain stimulation may reduce the relative risk of clinically important worsening in early stage Parkinson's disease. *Parkinsonism Relat Disord*. 2015 Oct;21(10):1177-83. doi: 10.1016/j.parkreldis.2015.08.008. Epub 2015 Aug 11. PubMed PMID: 26306000.

471: 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, Lykopolou 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.

472: Parker SL, Anderson LH, Nelson T, Patel VV. Cost-effectiveness of three treatment strategies for lumbar spinal stenosis: Conservative care, laminectomy, and the Superion interspinous spacer. *Int J Spine Surg*. 2015 Jul 9;9:28. doi: 10.14444/2028. eCollection 2015. PubMed PMID: 26273546; PubMed Central PMCID: PMC4528571.

473: Rajaram R, Chung JW, Cohen ME, Dahlke AR, Yang AD, Meeks JJ, Ko CY, Tarpley JL, Hoyt DB, Bilimoria KY. Association of the 2011 ACGME Resident Duty Hour Reform with Postoperative Patient Outcomes in Surgical Specialties. *J Am Coll Surg*. 2015 Sep;221(3):748-57. doi: 10.1016/j.jamcollsurg.2015.06.010. Epub 2015 Jul 8. PubMed PMID: 26228013.

474: Kistka HM, Nayeri A, Wang L, Dow J, Chandrasekhar R, Chambless LB. Publication misrepresentation among neurosurgery residency applicants: an increasing problem. *J Neurosurg*. 2016 Jan;124(1):193-8. doi: 10.3171/2014.12.JNS141990. Epub 2015 Jul 24. PubMed PMID: 26207605.

475: Chotai S, Parker SL, Sivaganesan A, Godil SS, McGirt MJ, Devin CJ. Quality of Life and General Health After Elective Surgery for Cervical Spine Pathologies: Determining a Valid and Responsive Metric of Health State Utility. *Neurosurgery*. 2015 Oct;77(4):553-60; discussion 560. doi: 10.1227/NEU.0000000000000886. PubMed PMID: 26191977.

476: Toth P, Tarantini S, Ashpole NM, Tucsek Z, Milne GL, Valcarcel-Ares NM, Menyhart A, Farkas E, Sonntag WE, Csiszar A, Ungvari Z. IGF-1 deficiency impairs neurovascular coupling in mice: implications for cerebrovascular aging. *Aging Cell*. 2015 Dec;14(6):1034-44. doi: 10.1111/acer.12372. Epub 2015 Jul 14. PubMed PMID: 26172407; PubMed Central PMCID: PMC4693458.

477: Mendenhall SK, Sivaganesan A, Mistry A, Sivasubramaniam P, McGirt MJ, Devin CJ. Traumatic atlantooccipital dislocation: comprehensive assessment of mortality, neurologic improvement, and patient-reported outcomes at a Level 1 trauma center over 15 years. *Spine J*. 2015 Nov 1;15(11):2385-95. doi: 10.1016/j.spinee.2015.07.003. Epub 2015 Jul 10. PubMed PMID: 26165481.

478: Kahle KT, Khanna AR, Alper SL, Adragna NC, Lauf PK, Sun D, Delpire E. K-Cl cotransporters, cell volume homeostasis, and neurological disease. *Trends Mol Med*. 2015 Aug;21(8):513-23. doi: 10.1016/j.molmed.2015.05.008. Epub 2015 Jul 1. Review. PubMed PMID: 26142773; PubMed Central PMCID: PMC4834970.

479: 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.

480: 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, Baglione 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.

481: He L, Gao J, Thomas AJ, Fusco MR, Ogilvy CS. Disappearance of a Ruptured Distal Flow-Related Aneurysm after Arteriovenous Malformation Nidal Embolization. *World Neurosurg*. 2015 Nov;84(5):1496.e1-6. doi: 10.1016/j.wneu.2015.05.065. Epub 2015 Jun 11. PubMed PMID: 26072456.

482: Fiorella D, Zuckerman SL, Khan IS, Ganesh Kumar N, Mocco J. Intracerebral Hemorrhage: A Common and Devastating Disease in Need of Better Treatment. *World Neurosurg*. 2015 Oct;84(4):1136-41. doi: 10.1016/j.wneu.2015.05.063. Epub 2015 Jun 10. Review. PubMed PMID: 26070633.

483: Pallavaram S, D'Haese PF, Lake W, Konrad PE, Dawant BM, Neimat JS. Fully automated targeting using nonrigid image registration matches accuracy and exceeds precision of best manual approaches to subthalamic deep brain stimulation targeting in Parkinson disease. *Neurosurgery*. 2015 Jun;76(6):756-65. doi: 10.1227/NEU.0000000000000714. PubMed PMID: 25988929; PubMed Central PMCID: PMC4438781.

484: Sills AK. Commentary: neurodegeneration and sport. *Neurosurgery*. 2015 Jun;76(6):657. doi: 10.1227/NEU.0000000000000757. PubMed PMID: 25984996.

485: 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, Hollfinger 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, Rüschenhoff 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.

486: Zuckerman SL, Bhatia R, Tsujiara C, Baker CB, Szafran A, Cushing D, Aiken J, Tracy M, Mocco J, Ecker RD. Prospective series of two hours supine rest after 4fr sheath-based diagnostic cerebral angiography: Outcomes, productivity and cost. *Interv Neuroradiol*. 2015 Feb;21(1):114-9. doi: 10.15274/INR-2014-10102. PubMed PMID: 25934785; PubMed Central PMCID: PMC4757203.

487: Kelly PD, Parker SL, Mendenhall SK, Bible JE, Sivasubramaniam P, Shau DN, McGirt MJ, Devin CJ.

Cost-effectiveness of cell saver in short-segment lumbar laminectomy and fusion ( $\leq 3$  levels). *Spine (Phila Pa 1976)*. 2015 Sep 1;40(17):E978-85. doi: 10.1097/BRS.0000000000000955. PubMed PMID: 25929204.

488: Greenberg JK, Ladner TR, Olsen MA, Shannon CN, Liu J, Yarbrough CK, Piccirillo JF, Wellons JC 3rd, Smyth MD, Park TS, Limbrick DD. Validation of an International Classification of Diseases, Ninth Revision Code Algorithm for Identifying Chiari Malformation Type 1 Surgery in Adults. *Neurosurgery*. 2015 Aug;77(2):269-73. doi: 10.1227/NEU.0000000000000778. PubMed PMID: 25924208; PubMed Central PMCID: PMC4506217.

489: Sun K, Pheiffer TS, Simpson AL, Weis JA, Thompson RC, Miga MI. Near Real-Time Computer Assisted Surgery for Brain Shift Correction Using Biomechanical Models. *IEEE J Transl Eng Health Med*. 2014 Apr 30;2. pii: 2500113. PubMed PMID: 25914864; PubMed Central PMCID: PMC4405800.

490: Greenberg JK, Ladner TR, Olsen MA, Shannon CN, Liu J, Yarbrough CK, Piccirillo JF, Wellons JC 3rd, Smyth MD, Park TS, Limbrick DD. Complications and Resource Use Associated With Surgery for Chiari Malformation Type 1 in Adults: A Population Perspective. *Neurosurgery*. 2015 Aug;77(2):261-8. doi: 10.1227/NEU.0000000000000777. PubMed PMID: 25910086; PubMed Central PMCID: PMC4506249.

491: Chotai S, Sivaganesan A, Parker SL, McGirt MJ, Devin CJ. Patient-Specific Factors Associated With Dissatisfaction After Elective Surgery for Degenerative Spine Diseases. *Neurosurgery*. 2015 Aug;77(2):157-63; discussion 163. doi: 10.1227/NEU.0000000000000768. PubMed PMID: 25910085.

492: Zaidat OO, Fitzsimmons BF, Woodward BK, Wang Z, Killer-Oberpfalzer M, Wakhloo A, Gupta R, Kirshner H, Megerian JT, Lesko J, Pitzer P, Ramos J, Castonguay AC, Barnwell S, Smith WS, Gress DR; VISSIT Trial Investigators. Effect of a balloon-expandable intracranial stent vs medical therapy on risk of stroke in patients with symptomatic intracranial stenosis: the VISSIT randomized clinical trial. *JAMA*. 2015 Mar 24-31;313(12):1240-8. doi: 10.1001/jama.2015.1693. PubMed PMID: 25803346.

493: Ladner TR, He L, Davis BJ, Froehler MT, Mocco J. Simultaneous stent expansion/balloon deflation technique to salvage failed balloon remodeling. *J Neurointerv Surg*. 2016 Apr;8(4):e15. doi: 10.1136/neurintsurg-2014-011600.rep. Epub 2015 Mar 23. PubMed PMID: 25801773.

494: Ladner TR, He L, Davis BJ, Froehler MT, Mocco J. Simultaneous stent expansion/balloon deflation technique to salvage failed balloon remodeling. *BMJ Case Rep*. 2015 Mar 18;2015. pii: bcr2014011600. doi: 10.1136/bcr-2014-011600. PubMed PMID: 25786815; PubMed Central PMCID: PMC4368936.

495: Wise ES, Ladner TR, Song J, Eagle SS, Mocco J, Wergin JE, Hocking KM, Brophy CM. Race as a predictor of delay from diagnosis to endarterectomy in clinically significant carotid stenosis. *J Vasc Surg*. 2015 Jul;62(1):49-56. doi: 10.1016/j.jvs.2015.01.057. Epub 2015 Mar 14. PubMed PMID: 25776188; PubMed Central PMCID: PMC4484302.

496: Asher AL, Parker SL, Rolston JD, Selden NR, McGirt MJ. Using clinical registries to improve the quality of neurosurgical care. *Neurosurg Clin N Am*. 2015 Apr;26(2):253-63, ix-x. doi: 10.1016/j.nec.2014.11.010. Review. PubMed PMID: 25771281.

497: Parker SL, McGirt MJ, Asher AL, Selden NR. Quality improvement in neurological surgery graduate medical education. *Neurosurg Clin N Am*. 2015 Apr;26(2):231-8, ix. doi: 10.1016/j.nec.2014.11.012. Epub 2014 Dec 17. Review. PubMed PMID: 25771278.

- 498: Zuckerman SL, Fargen KM, Mocco J. Neurosurgical checklists: a growing need. *Neurosurg Clin N Am.* 2015 Apr;26(2):219-29, ix. doi: 10.1016/j.nec.2014.11.009. Epub 2014 Nov 6. Review. PubMed PMID: 25771277.
- 499: Devin CJ, McGirt MJ. Best evidence in multimodal pain management in spine surgery and means of assessing postoperative pain and functional outcomes. *J Clin Neurosci.* 2015 Jun;22(6):930-8. doi: 10.1016/j.jocn.2015.01.003. Epub 2015 Mar 9. Review. PubMed PMID: 25766366.
- 500: Patel MB, Humble SS, Cullinane DC, Day MA, Jawa RS, Devin CJ, Delozier MS, Smith LM, Smith MA, Capella JM, Long AM, Cheng JS, Leath TC, Falck-Ytter Y, Haut ER, Como JJ. Cervical spine collar clearance in the obtunded adult blunt trauma patient: a systematic review and practice management guideline from the Eastern Association for the Surgery of Trauma. *J Trauma Acute Care Surg.* 2015 Feb;78(2):430-41. doi: 10.1097/TA.0000000000000503. Review. PubMed PMID: 25757133; PubMed Central PMCID: PMC4409130.
- 501: 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.
- 502: Parker SL, Mendenhall SK, Godil SS, Sivasubramanian P, Cahill K, Ziewacz J, McGirt MJ. Incidence of Low Back Pain After Lumbar Discectomy for Herniated Disc and Its Effect on Patient-reported Outcomes. *Clin Orthop Relat Res.* 2015 Jun;473(6):1988-99. doi: 10.1007/s11999-015-4193-1. Review. PubMed PMID: 25694267; PubMed Central PMCID: PMC4419014.
- 503: Parker SL, McGirt MJ. Determination of the minimum improvement in pain, disability, and health state associated with cost-effectiveness: introduction of the concept of minimum cost-effective difference. *Neurosurgery.* 2015 Mar;76 Suppl 1:S64-70. doi: 10.1227/01.neu.0000462079.96571.dc. PubMed PMID: 25692370.
- 504: Duan W, Zhang YP, Hou Z, Huang C, Zhu H, Zhang CQ, Yin Q. Novel Insights into NeuN: from Neuronal Marker to Splicing Regulator. *Mol Neurobiol.* 2016 Apr;53(3):1637-1647. doi: 10.1007/s12035-015-9122-5. Epub 2015 Feb 14. Review. PubMed PMID: 25680637.
- 505: McAbee JH, Ragel BT, McCartney S, Jones GM, Michael LM 2nd, DeCuyper M, Cheng JS, Boop FA, Klimo P Jr. Factors associated with career satisfaction and burnout among US neurosurgeons: results of a nationwide survey. *J Neurosurg.* 2015 Jul;123(1):161-73. doi: 10.3171/2014.12.JNS141348. Epub 2015 Feb 13. PubMed PMID: 25679276.
- 506: Muntean ML, Trenkwalder C, Walters AS, Mollenhauer B, Sixel-Döring F. REM Sleep Behavioral Events and Dreaming. *J Clin Sleep Med.* 2015 Apr 15;11(5):537-41. doi: 10.5664/jcsm.4698. PubMed PMID: 25665694; PubMed Central PMCID: PMC4410927.
- 507: Zuckerman SL, Lee YM, Odom MJ, Forbes JA, Solomon GS, Sills AK. Sports-Related Concussion in Helmeted vs. Unhelmeted Athletes: Who Fares Worse? *Int J Sports Med.* 2015 May;36(5):419-25. doi: 10.1055/s-0034-1395587. Epub 2015 Feb 9. PubMed PMID: 25664998.
- 508: Simon SD, Koyama T, Zacharia BE, Schirmer CM, Cheng JS. Impact of clinical trials on neurosurgical practice: an assessment of case volume. *World Neurosurg.* 2015 Apr;83(4):431-7. doi: 10.1016/j.wneu.2015.01.011. Epub 2015 Feb 3. PubMed PMID: 25655690.
- 509: Tramontana MG, Molinari AL, Konrad PE, Davis TL, Wylie SA, Neimat JS, May AT, Phibbs FT, Hedera P, Gill CE, Salomon RM, Wang L, Song Y, Charles D. Neuropsychological effects of deep brain

stimulation in subjects with early stage Parkinson's disease in a randomized clinical trial. *J Parkinsons Dis.* 2015;5(1):151-63. doi: 10.3233/JPD-140448. PubMed PMID: 25613351.

510: Picchietti DL, Hensley JG, Bainbridge JL, Lee KA, Manconi M, McGregor JA, Silver RM, Trenkwalder C, Walters AS; International Restless Legs Syndrome Study Group (IRLSSG). Consensus clinical practice guidelines for the diagnosis and treatment of restless legs syndrome/Willis-Ekbom disease during pregnancy and lactation. *Sleep Med Rev.* 2015 Aug;22:64-77. doi: 10.1016/j.smr.2014.10.009. Epub 2014 Nov 4. Review. PubMed PMID: 25553600.

511: Charles D, Konrad PE, Davis TL, Neimat JS, Hacker ML, Finder SG. Deep brain stimulation in early stage Parkinson's disease. *Parkinsonism Relat Disord.* 2015 Mar;21(3):347-8. doi: 10.1016/j.parkreldis.2014.10.032. Epub 2014 Dec 12. PubMed PMID: 25547949.

512: Adogwa O, Carr K, Thompson P, Hoang K, Darlington T, Perez E, Fatemi P, Gottfried O, Cheng J, Isaacs RE. A prospective, multi-institutional comparative effectiveness study of lumbar spine surgery in morbidly obese patients: does minimally invasive transforaminal lumbar interbody fusion result in superior outcomes? *World Neurosurg.* 2015 May;83(5):860-6. doi: 10.1016/j.wneu.2014.12.034. Epub 2014 Dec 19. PubMed PMID: 25535070.

513: Cheung YY, Nickels ML, McKinley ET, Buck JR, Manning HC. High-yielding, automated production of 3'-deoxy-3'-[(18)F]fluorothymidine using a modified Bioscan Coincidence FDG reaction module. *Appl Radiat Isot.* 2015 Mar;97:47-51. doi: 10.1016/j.apradiso.2014.11.011. Epub 2014 Dec 15. PubMed PMID: 25531913; PubMed Central PMCID: PMC4867542.

514: Parker SL, Godil SS, Zuckerman SL, Mendenhall SK, Devin CJ, McGirt MJ. Extent of preoperative depression is associated with return to work after lumbar fusion for spondylolisthesis. *World Neurosurg.* 2015 Apr;83(4):608-13. doi: 10.1016/j.wneu.2014.12.018. Epub 2014 Dec 17. PubMed PMID: 25527877.

515: Gupta R, Rai AT, Hirsch JA, Linfante I, Mack W, Mocco J, Albuquerque F, Chen M, Fiorella D, Tarr RW. A research roadmap of future endovascular stroke trials. *J Neurointerv Surg.* 2015 Feb;7(2):82-3. doi: 10.1136/neurintsurg-2014-011592. Epub 2014 Dec 18. Review. PubMed PMID: 25523787.

516: Adogwa O, Huang K, Hazzard M, Chagoya G, Owens R, Cheng J, Ugiliweneza B, Boakye M, Lad SP. Outcomes after cervical laminectomy with instrumented fusion versus expansile laminoplasty: a propensity matched study of 3185 patients. *J Clin Neurosci.* 2015 Mar;22(3):549-53. doi: 10.1016/j.jocn.2014.10.001. Epub 2014 Dec 13. PubMed PMID: 25515781.

517: Schulte ML, Dawson ES, Saleh SA, Cuthbertson ML, Manning HC. 2-Substituted N $\gamma$ -glutamylanilides as novel probes of ASCT2 with improved potency. *Bioorg Med Chem Lett.* 2015 Jan 1;25(1):113-6. doi: 10.1016/j.bmcl.2014.10.098. Epub 2014 Nov 11. PubMed PMID: 25435145; PubMed Central PMCID: PMC4372298.

518: Fargen KM, Neal D, Fiorella DJ, Turk AS, Froehler M, Mocco J. A meta-analysis of prospective randomized controlled trials evaluating endovascular therapies for acute ischemic stroke. *J Neurointerv Surg.* 2015 Feb;7(2):84-9. doi: 10.1136/neurintsurg-2014-011543. Epub 2014 Nov 28. PubMed PMID: 25432979.

519: Dababneh H, Hussain M, Guerrero WR, Xu J, Morgan W, Mocco J, Kirmani JF. "Whippets"-induced vitamin B12 deficiency and dorsal column degeneration. *J Vasc Interv Neurol.* 2014 Nov;7(4):8. PubMed PMID: 25422706; PubMed Central PMCID: PMC4241407.

- 520: Ladner TR, Davis BJ, He L, Kirshner HS, Froehler MT, Mocco J. Complex decision-making in stroke: preoperative mechanical thrombectomy of septic embolus for emergency cardiac valve surgery. *J Neurointerv Surg*. 2015 Dec;7(12):e41. doi: 10.1136/neurintsurg-2014-011488.rep. Epub 2014 Nov 24. PubMed PMID: 25422318.
- 521: Parker SL, Wolinsky JP, Tufaro AP, Gokaslan ZL, Witham TF. Five-level cervical corpectomy for neurofibromatosis-associated spinal deformity: case report. *Eur Spine J*. 2015 May;24 Suppl 4:S544-50. doi: 10.1007/s00586-014-3682-3. Epub 2014 Nov 22. PubMed PMID: 25416169.
- 522: Parker SL, McGirt MJ, Murphy JA, Megerian JT, Stout M, Engelhart L. Comparative effectiveness of antibiotic-impregnated shunt catheters in the treatment of adult and pediatric hydrocephalus: analysis of 12,589 consecutive cases from 287 US hospital systems. *J Neurosurg*. 2015 Feb;122(2):443-8. doi: 10.3171/2014.10.JNS13395. Epub 2014 Nov 21. PubMed PMID: 25415066.
- 523: Ladner TR, Davis BJ, He L, Kirshner HS, Froehler MT, Mocco J. Complex decision-making in stroke: preoperative mechanical thrombectomy of septic embolus for emergency cardiac valve surgery. *BMJ Case Rep*. 2014 Nov 19;2014. pii: bcr2014011488. doi: 10.1136/bcr-2014-011488. PubMed PMID: 25410029; PubMed Central PMCID: PMC4244525.
- 524: Ladner TR, He L, Jordan LC, Cooper C, Froehler MT, Mocco J. Mechanical thrombectomy for acute stroke in childhood: how much does restricted diffusion matter? *J Neurointerv Surg*. 2015 Dec;7(12):e40. doi: 10.1136/neurintsurg-2014-011465.rep. Epub 2014 Nov 18. PubMed PMID: 25406473.
- 525: Ladner TR, He L, Jordan LC, Cooper C, Froehler MT, Mocco J. Mechanical thrombectomy for acute stroke in childhood: how much does restricted diffusion matter? *BMJ Case Rep*. 2014 Nov 12;2014. pii: bcr2014011465. doi: 10.1136/bcr-2014-011465. PubMed PMID: 25391820; PubMed Central PMCID: PMC4244518.
- 526: Zheng Z, Liebers M, Zhelyazkova B, Cao Y, Panditi D, Lynch KD, Chen J, Robinson HE, Shim HS, Chmielecki J, Pao W, Engelman JA, Iafrate AJ, Le LP. Anchored multiplex PCR for targeted next-generation sequencing. *Nat Med*. 2014 Dec;20(12):1479-84. doi: 10.1038/nm.3729. Epub 2014 Nov 10. PubMed PMID: 25384085.
- 527: 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.
- 528: 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.
- 529: 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.
- 530: Parker SL, Devin CJ. Commentary on: "Sterile Seroma Resulting from Multilevel XLIF Procedure as

Possible Adverse Effect of Prophylactic Vancomycin Powder: A Case Report". *Evid Based Spine Care J*. 2014 Oct;5(2):134-5. doi: 10.1055/s-0034-1386759. PubMed PMID: 25278887; PubMed Central PMCID: PMC4174191.

531: Verla T, Adogwa O, Fatemi P, Martin JR, Gottfried ON, Cheng J, Isaacs RE. Clinical implication of complications on patient perceived health status following spinal fusion surgery. *J Clin Neurosci*. 2015 Feb;22(2):342-5. doi: 10.1016/j.jocn.2014.05.053. Epub 2014 Sep 26. PubMed PMID: 25262502.

532: Ahn AK, Honeybrook A, Jordan LC, Singer RJ, Tylor DA. Stroke after adenotonsillectomy in patients with undiagnosed moyamoya syndrome. *JAMA Otolaryngol Head Neck Surg*. 2014 Nov;140(11):1061-4. doi: 10.1001/jamaoto.2014.1990. PubMed PMID: 25257069.

533: McKinley ET, Zhao P, Coffey RJ, Washington MK, Manning HC. 3'-Deoxy-3'-[18F]-Fluorothymidine PET imaging reflects PI3K-mTOR-mediated pro-survival response to targeted therapy in colorectal cancer. *PLoS One*. 2014 Sep 23;9(9):e108193. doi: 10.1371/journal.pone.0108193. eCollection 2014. PubMed PMID: 25247710; PubMed Central PMCID: PMC4172755.

534: Mendenhall SK, Parker SL, Adogwa O, Shau DN, Cheng J, Aaronson O, Devin CJ, McGirt MJ. Long-term outcomes after revision neural decompression and fusion for same-level recurrent lumbar stenosis: defining the effectiveness of surgery. *J Spinal Disord Tech*. 2014 Oct;27(7):353-7. doi: 10.1097/BSD.0b013e31826105a5. PubMed PMID: 25247253.

535: Lin N, Brouillard AM, Keigher KM, Lopes DK, Binning MJ, Liebman KM, Veznedaroglu E, Magarik JA, Mocco J, Duckworth EA, Arthur AS, Ringer AJ, Snyder KV, Levy EI, Siddiqui AH. Utilization of Pipeline embolization device for treatment of ruptured intracranial aneurysms: US multicenter experience. *J Neurointerv Surg*. 2015 Nov;7(11):808-15. doi: 10.1136/neurintsurg-2014-011320. Epub 2014 Sep 17. PubMed PMID: 25230839.

536: Kumar AN, Miga MI, Pheiffer TS, Chambless LB, Thompson RC, Dawant BM. Persistent and automatic intraoperative 3D digitization of surfaces under dynamic magnifications of an operating microscope. *Med Image Anal*. 2015 Jan;19(1):30-45. doi: 10.1016/j.media.2014.07.004. Epub 2014 Aug 7. PubMed PMID: 25189364; PubMed Central PMCID: PMC4250353.

537: Cheung YY, Nickels ML, Tang D, Buck JR, Manning HC. Facile synthesis of SSR180575 and discovery of 7-chloro-N,N,5-trimethyl-4-oxo-3(6-[(18F]fluoropyridin-2-yl)-3,5-dihydro-4H-pyridazino[4,5-b]indole-1-acetamide, a potent pyridazinoindole ligand for PET imaging of TSPO in cancer. *Bioorg Med Chem Lett*. 2014 Sep 15;24(18):4466-4471. doi: 10.1016/j.bmcl.2014.07.091. Epub 2014 Aug 8. PubMed PMID: 25172419; PubMed Central PMCID: PMC4163096.

538: Goyal M, Almekhlafi M, Menon B, Hill M, Fargen K, Parsons M, Bang OY, Siddiqui A, Andersson T, Mendes V, Davalos A, Turk A, Mocco J, Campbell B, Nogueira R, Gupta R, Murphy S, Jovin T, Khatri P, Miao Z, Demchuk A, Broderick JP, Saver J. Challenges of acute endovascular stroke trials. *Stroke*. 2014 Oct;45(10):3116-22. doi: 10.1161/STROKEAHA.114.006288. Epub 2014 Aug 28. PubMed PMID: 25169945.

539: Lin WY, Camp NJ, Ghousaini M, Beesley J, Michailidou K, Hopper JL, Apicella C, Southey MC, Stone J, Schmidt MK, Broeks A, Van't Veer LJ, Th Rutgers EJ, Muir K, Lophatananon A, Stewart-Brown S, Siriwanarangsarn P, Fasching PA, Haeberle L, Ekici AB, Beckmann MW, Peto J, Dos-Santos-Silva I, Fletcher O, Johnson N, Bolla MK, Wang Q, Dennis J, Sawyer EJ, Cheng T, Tomlinson I, Kerin MJ, Miller N, Marmé F, Surowy HM, Burwinkel B, Guénel P, Truong T, Menegaux F, Mulot C, Bojesen SE, Nordestgaard BG, Nielsen SF, Flyger H, Benitez J, Zamora MP, Arias Perez JL, Menéndez P, González-

Neira A, Pita G, Alonso MR, Alvarez N, Herrero D, Anton-Culver H, Brenner H, Dieffenbach AK, Arndt V, Stegmaier C, Meindl A, Lichtner P, Schmutzler RK, Müller-Myhsok B, Brauch H, Brüning T, Ko YD; GENICA Network, Tessier DC, Vincent D, Bacot F, Nevanlinna H, Aittomäki K, Blomqvist C, Khan S, Matsuo K, Ito H, Iwata H, Horio A, Bogdanova NV, Antonenkova NN, Dörk T, Lindblom A, Margolin S, Mannermaa A, Kataja V, Kosma VM, Hartikainen JM; kConFab Investigators; Australian Ovarian Cancer Study Group, Wu AH, Tseng CC, Van Den Berg D, Stram DO, Neven P, Wauters E, Wildiers H, Lambrechts D, Chang-Claude J, Rudolph A, Seibold P, Flesch-Janys D, Radice P, Peterlongo P, Manoukian S, Bonanni B, Couch FJ, Wang X, Vachon C, Purrington K, Giles GG, Milne RL, Mclean C, Haiman CA, Henderson BE, Schumacher F, Le Marchand L, Simard J, Goldberg MS, Labrèche F, Dumont M, Teo SH, Yip CH, Hassan N, Vithana EN, Kristensen V, Zheng W, Deming-Halverson S, Shrubsole MJ, Long J, Winqvist R, Pylkäs K, Jukkola-Vuorinen A, Kauppila S, Andrulis IL, Knight JA, Glendon G, Tchatchou S, Devilee P, Tollenaar RA, Seynaeve C, Van Asperen CJ, García-Closas M, Figueroa J, Lissowska J, Brinton L, Czene K, Darabi H, Eriksson M, Brand JS, Hooning MJ, Hollestelle A, Van Den Ouweland AM, Jager A, Li J, Liu J, Humphreys K, Shu XO, Lu W, Gao YT, Cai H, Cross SS, Reed MW, Blot W, Signorello LB, Cai Q, Pharoah PD, Perkins B, Shah M, Blows FM, Kang D, Yoo KY, Noh DY, Hartman M, Miao H, Chia KS, Putti TC, Hamann U, Luccarini C, Baynes C, Ahmed S, Maranian M, Healey CS, Jakubowska A, Lubinski J, Jaworska-Bieniek K, Durda K, Sangrajrang S, Gaborieau V, Brennan P, McKay J, Slager S, Toland AE, Yannoukakos D, Shen CY, Hsiung CN, Wu PE, Ding SL, Ashworth A, Jones M, Orr N, Swerdlow AJ, Tsimiklis H, Makalic E, Schmidt DF, Bui QM, Chanock SJ, Hunter DJ, Hein R, Dahmen N, Beckmann L, Aaltonen K, Muranen TA, Heikkinen T, Irwanto A, Rahman N, Turnbull CA; Breast and Ovarian Cancer Susceptibility (BOCS) Study, Waisfisz Q, Meijers-Heijboer HE, Adank MA, Van Der Luijt RB, Hall P, Chenevix-Trench G, Dunning A, Easton DF, Cox A. Identification and characterization of novel associations in the CASP8/ALS2CR12 region on chromosome 2 with breast cancer risk. *Hum Mol Genet.* 2015 Jan 1;24(1):285-98. doi: 10.1093/hmg/ddu431. Epub 2014 Aug 28. PubMed PMID: 25168388; PubMed Central PMCID: PMC4334820.

540: Asher AL, Devin CJ, Mroz T, Fehlings M, Parker SL, McGirt MJ. Clinical registries and evidence-based care pathways: raising the bar for meaningful measurement and delivery of value-based care. *Spine (Phila Pa 1976).* 2014 Oct 15;39(22 Suppl 1):S136-8. doi: 10.1097/BRS.0000000000000543. PubMed PMID: 25077915.

541: Wang Z, Zhu B, Zhang M, Parikh H, Jia J, Chung CC, Sampson JN, Hoskins JW, Hutchinson A, Burdette L, Ibrahim A, Hautman C, Raj PS, Abnet CC, Adjei AA, Ahlbom A, Albanes D, Allen NE, Ambrosone CB, Aldrich M, Amiano P, Amos C, Andersson U, Andriole G Jr, Andrulis IL, Arici C, Arslan AA, Austin MA, Baris D, Barkauskas DA, Bassig BA, Beane Freeman LE, Berg CD, Berndt SI, Bertazzi PA, Biritwum RB, Black A, Blot W, Boeing H, Boffetta P, Bolton K, Boutron-Ruault MC, Bracci PM, Brennan P, Brinton LA, Brotzman M, Bueno-de-Mesquita HB, Buring JE, Butler MA, Cai Q, Cancel-Tassin G, Canzian F, Cao G, Caporaso NE, Carrato A, Carreon T, Carta A, Chang GC, Chang IS, Chang-Claude J, Che X, Chen CJ, Chen CY, Chen CH, Chen C, Chen KY, Chen YM, Chokkalingam AP, Chu LW, Clavel-Chapelon F, Colditz GA, Colt JS, Conti D, Cook MB, Cortessis VK, Crawford ED, Cussenot O, Davis FG, De Vivo I, Deng X, Ding T, Dinney CP, Di Stefano AL, Diver WR, Duell EJ, Elena JW, Fan JH, Feigelson HS, Feychting M, Figueroa JD, Flanagan AM, Fraumeni JF Jr, Freedman ND, Fridley BL, Fuchs CS, Gago-Dominguez M, Gallinger S, Gao YT, Gapstur SM, Garcia-Closas M, Garcia-Closas R, Gastier-Foster JM, Gaziano JM, Gerhard DS, Giffen CA, Giles GG, Gillanders EM, Giovannucci EL, Goggins M, Gokgoz N, Goldstein AM, Gonzalez C, Gorlick R, Greene MH, Gross M, Grossman HB, Grubb R 3rd, Gu J, Guan P, Haiman CA, Hallmans G, Hankinson SE, Harris CC, Hartge P, Hattinger C, Hayes RB, He Q, Helman L, Henderson BE, Henriksson R, Hoffman-Bolton J, Hohensee C, Holly EA, Hong YC, Hoover RN, Hosgood HD 3rd, Hsiao CF, Hsing AW, Hsiung CA, Hu N, Hu W, Hu Z, Huang MS, Hunter DJ, Inskip PD, Ito H, Jacobs EJ, Jacobs KB, Jenab M, Ji BT, Johansen C, Johansson M, Johnson A, Kaaks R, Kamat AM, Kaminen A, Karagas M, Khanna C, Khaw KT, Kim C, Kim IS, Kim JH, Kim YH, Kim YC, Kim YT, Kang CH,

Jung YJ, Kitahara CM, Klein AP, Klein R, Kogevinas M, Koh WP, Kohno T, Kolonel LN, Kooperberg C, Kratz CP, Krogh V, Kunitoh H, Kurtz RC, Kurucu N, Lan Q, Lathrop M, Lau CC, Lecanda F, Lee KM, Lee MP, Le Marchand L, Lerner SP, Li D, Liao LM, Lim WY, Lin D, Lin J, Lindstrom S, Linet MS, Lissowska J, Liu J, Ljungberg B, Lloreta J, Lu D, Ma J, Malats N, Mannisto S, Marina N, Mastrangelo G, Matsuo K, McGlynn KA, McKean-Cowdin R, McNeill LH, McWilliams RR, Melin BS, Meltzer PS, Mensah JE, Miao X, Michaud DS, Mondul AM, Moore LE, Muir K, Niwa S, Olson SH, Orr N, Panico S, Park JY, Patel AV, Patino-Garcia A, Pavanello S, Peeters PH, Peplonska B, Peters U, Petersen GM, Picci P, Pike MC, Porru S, Prescott J, Pu X, Purdue MP, Qiao YL, Rajaraman P, Riboli E, Risch HA, Rodabough RJ, Rothman N, Ruder AM, Ryu JS, Sanson M, Schned A, Schumacher FR, Schwartz AG, Schwartz KL, Schwenn M, Scotlandi K, Seow A, Serra C, Serra M, Sesso HD, Severi G, Shen H, Shen M, Shete S, Shiraishi K, Shu XO, Siddiq A, Sierrasesumaga L, Sierri S, Loon Sihoe AD, Silverman DT, Simon M, Southey MC, Spector L, Spitz M, Stampfer M, Stattin P, Stern MC, Stevens VL, Stolzenberg-Solomon RZ, Stram DO, Strom SS, Su WC, Sund M, Sung SW, Swerdlow A, Tan W, Tanaka H, Tang W, Tang ZZ, Tardon A, Tay E, Taylor PR, Tettey Y, Thomas DM, Tirabosco R, Tjonneland A, Tobias GS, Toro JR, Travis RC, Trichopoulos D, Troisi R, Truelove A, Tsai YH, Tucker MA, Tumino R, Van Den Berg D, Van Den Eeden SK, Vermeulen R, Vineis P, Visvanathan K, Vogel U, Wang C, Wang C, Wang J, Wang SS, Weiderpass E, Weinstein SJ, Wentzensen N, Wheeler W, White E, Wiencke JK, Wolk A, Wolpin BM, Wong MP, Wrensch M, Wu C, Wu T, Wu X, Wu YL, Wunder JS, Xiang YB, Xu J, Yang HP, Yang PC, Yatabe Y, Ye Y, Yeboah ED, Yin Z, Ying C, Yu CJ, Yu K, Yuan JM, Zanetti KA, Zeleniuch-Jacquotte A, Zheng W, Zhou B, Mirabello L, Savage SA, Kraft P, Chanock SJ, Yeager M, Landi MT, Shi J, Chatterjee N, Amundadottir LT. Imputation and subset-based association analysis across different cancer types identifies multiple independent risk loci in the TERT-CLPTM1L region on chromosome 5p15.33. *Hum Mol Genet.* 2014 Dec 15;23(24):6616-33. doi: 10.1093/hmg/ddu363. Epub 2014 Jul 15. PubMed PMID: 25027329; PubMed Central PMCID: PMC4240198.

542: Adogwa O, Parker SL, Shau D, Mendelhall SK, Aaronson O, Cheng J, Devin CJ, McGirt MJ. Cost per quality-adjusted life year gained of revision fusion for lumbar pseudoarthrosis: defining the value of surgery. *J Spinal Disord Tech.* 2015 Apr;28(3):101-5. doi: 10.1097/BSD.0b013e318269cc4a. PubMed PMID: 24999554.

543: Li B, Fei DL, Flaveny CA, Dahmane N, Baubet V, Wang Z, Bai F, Pei XH, Rodriguez-Blanco J, Hang B, Orton D, Han L, Wang B, Capobianco AJ, Lee E, Robbins DJ. Pyrvinium attenuates Hedgehog signaling downstream of smoothened. *Cancer Res.* 2014 Sep 1;74(17):4811-21. doi: 10.1158/0008-5472.CAN-14-0317. Epub 2014 Jul 3. PubMed PMID: 24994715; PubMed Central PMCID: PMC4321822.

544: Siero JC, Hendrikse J, Hoogduin H, Petridou N, Luijten P, Donahue MJ. Cortical depth dependence of the BOLD initial dip and poststimulus undershoot in human visual cortex at 7 Tesla. *Magn Reson Med.* 2015 Jun;73(6):2283-95. doi: 10.1002/mrm.25349. Epub 2014 Jul 2. PubMed PMID: 24989338; PubMed Central PMCID: PMC4282631.

545: Parker SL, McGirt MJ, Murphy JA, Megerian JT, Stout M, Engelhart L. Cost savings associated with antibiotic-impregnated shunt catheters in the treatment of adult and pediatric hydrocephalus. *World Neurosurg.* 2015 Mar;83(3):382-6. doi: 10.1016/j.wneu.2014.06.010. Epub 2014 Jun 13. PubMed PMID: 24933241.

546: Adogwa O, Carr K, Fatemi P, Verla T, Gazcon G, Gottfried O, Bagley C, Cheng J. Psychosocial factors and surgical outcomes: are elderly depressed patients less satisfied with surgery? *Spine (Phila Pa 1976).* 2014 Sep 1;39(19):1614-9. doi: 10.1097/BRS.0000000000000474. PubMed PMID: 24921847.

- 547: Lee D, Armaghani S, Archer KR, Bible J, Shau D, Kay H, Zhang C, McGirt MJ, Devin C. Preoperative Opioid Use as a Predictor of Adverse Postoperative Self-Reported Outcomes in Patients Undergoing Spine Surgery. *J Bone Joint Surg Am*. 2014 Jun 4;96(11):e89. Epub 2014 Jun 4. PubMed PMID: 24897746.
- 548: Adogwa O, Martin JR, Huang K, Verla T, Fatemi P, Thompson P, Cheng J, Kuchibhatla M, Lad SP, Bagley CA, Gottfried ON. Preoperative serum albumin level as a predictor of postoperative complication after spine fusion. *Spine (Phila Pa 1976)*. 2014 Aug 15;39(18):1513-9. doi: 10.1097/BRS.0000000000000450. PubMed PMID: 24875960.
- 549: Schulte R, Jordan LC, Morad A, Naftel RP, Wellons JC 3rd, Sidonio R. Rise in late onset vitamin K deficiency bleeding in young infants because of omission or refusal of prophylaxis at birth. *Pediatr Neurol*. 2014 Jun;50(6):564-8. doi: 10.1016/j.pediatrneurol.2014.02.013. Epub 2014 Feb 28. PubMed PMID: 24842255.
- 550: Turk AS 3rd, Martin RH, Fiorella D, Mocco J, Siddiqui A, Bonafe A. Flow diversion versus traditional endovascular coiling therapy: design of the prospective LARGE aneurysm randomized trial. *AJNR Am J Neuroradiol*. 2014 Jul;35(7):1341-5. doi: 10.3174/ajnr.A3968. Epub 2014 May 15. PubMed PMID: 24831596.
- 551: Khan IS, Kiehna EN, Satti KF, Ehtesham M, Ghiassi M, Singer RJ. Surgical management of large scalp infantile hemangiomas. *Surg Neurol Int*. 2014 Mar 27;5:41. doi: 10.4103/2152-7806.129560. eCollection 2014. PubMed PMID: 24818048; PubMed Central PMCID: PMC4014822.
- 552: Parker SL, Godil SS, Mendenhall SK, Zuckerman SL, Shau DN, McGirt MJ. Two-year comprehensive medical management of degenerative lumbar spine disease (lumbar spondylolisthesis, stenosis, or disc herniation): a value analysis of cost, pain, disability, and quality of life: clinical article. *J Neurosurg Spine*. 2014 Aug;21(2):143-9. doi: 10.3171/2014.3.SPINE1320. Epub 2014 May 2. PubMed PMID: 24785973.
- 553: Ercan-Sencicek AG, Jambi S, Franjic D, Nishimura S, Li M, El-Fishawy P, Morgan TM, Sanders SJ, Bilguvar K, Suri M, Johnson MH, Gupta AR, Yuksel Z, Mane S, Grigorenko E, Picciotto M, Alberts AS, Gunel M, Šestan N, State MW. Homozygous loss of DIAPH1 is a novel cause of microcephaly in humans. *Eur J Hum Genet*. 2015 Feb;23(2):165-72. doi: 10.1038/ejhg.2014.82. Epub 2014 Apr 30. PubMed PMID: 24781755; PubMed Central PMCID: PMC4297910.
- 554: Hecht N, Schneider UC, Czabanka M, Vinci M, Hatzopoulos AK, Vajkoczy P, Woitzik J. Endothelial progenitor cells augment collateralization and hemodynamic rescue in a model of chronic cerebral ischemia. *J Cereb Blood Flow Metab*. 2014 Aug;34(8):1297-305. doi: 10.1038/jcbfm.2014.78. Epub 2014 Apr 30. PubMed PMID: 24780900; PubMed Central PMCID: PMC4126089.
- 555: Adogwa O, Fatemi P, Perez E, Moreno J, Gazcon GC, Gokaslan ZL, Cheng J, Gottfried O, Bagley CA. Negative pressure wound therapy reduces incidence of postoperative wound infection and dehiscence after long-segment thoracolumbar spinal fusion: a single institutional experience. *Spine J*. 2014 Dec 1;24(12):2911-7. doi: 10.1016/j.spinee.2014.04.011. Epub 2014 Apr 21. PubMed PMID: 24769401.
- 556: Charles D, Konrad PE, Neimat JS, Molinari AL, Tramontana MG, Finder SG, Gill CE, Bliton MJ, Kao C, Phibbs FT, Hedera P, Salomon RM, Cannard KR, Wang L, Song Y, Davis TL. Subthalamic nucleus deep brain stimulation in early stage Parkinson's disease. *Parkinsonism Relat Disord*. 2014 Jul;20(7):731-7. doi: 10.1016/j.parkreldis.2014.03.019. Epub 2014 Mar 28. PubMed PMID: 24768120; PubMed Central PMCID: PMC4103427.

557: Egan KM, Baskin R, Nabors LB, Thompson RC, Olson JJ, Browning JE, Madden MH, Monteiro AN. Brain tumor risk according to germ-line variation in the MLLT10 locus. *Eur J Hum Genet.* 2015 Jan;23(1):132-4. doi: 10.1038/ejhg.2014.70. Epub 2014 Apr 23. PubMed PMID: 24755950; PubMed Central PMCID: PMC4266750.

558: Peddibhotla S, Nagamani SC, Erez A, Hunter JV, Holder JL Jr, Carlin ME, Bader PI, Perras HM, Allanson JE, Newman L, Simpson G, Immken L, Powell E, Mohanty A, Kang SH, Stankiewicz P, Bacino CA, Bi W, Patel A, Cheung SW. Delineation of candidate genes responsible for structural brain abnormalities in patients with terminal deletions of chromosome 6q27. *Eur J Hum Genet.* 2015 Jan;23(1):54-60. doi: 10.1038/ejhg.2014.51. Epub 2014 Apr 16. Review. PubMed PMID: 24736736; PubMed Central PMCID: PMC4266737.

559: Anic GM, Madden MH, Nabors LB, Olson JJ, LaRocca RV, Thompson ZJ, Pamnani SJ, Forsyth PA, Thompson RC, Egan KM. Reproductive factors and risk of primary brain tumors in women. *J Neurooncol.* 2014 Jun;118(2):297-304. doi: 10.1007/s11060-014-1427-0. Epub 2014 Apr 4. PubMed PMID: 24700240; PubMed Central PMCID: PMC4048769.

560: Khan IS, Kelly PD, Singer RJ. Prototyping of cerebral vasculature physical models. *Surg Neurol Int.* 2014 Jan 27;5:11. doi: 10.4103/2152-7806.125858. eCollection 2014. PubMed PMID: 24678427; PubMed Central PMCID: PMC3942610.

561: Camalier CR, Konrad PE, Gill CE, Kao C, Remple MR, Nasr HM, Davis TL, Hedera P, Phibbs FT, Molinari AL, Neimat JS, Charles D. Methods for Surgical Targeting of the STN in Early-Stage Parkinson's Disease. *Front Neurol.* 2014 Mar 19;5:25. doi: 10.3389/fneur.2014.00025. eCollection 2014. PubMed PMID: 24678307; PubMed Central PMCID: PMC3958735.

562: Etminan N, Beseoglu K, Barrow DL, Bederson J, Brown RD Jr, Connolly ES Jr, Derdeyn CP, Hänggi D, Hasan D, Juvela S, Kasuya H, Kirkpatrick PJ, Knuckey N, Koivisto T, Lanzino G, Lawton MT, LeRoux P, McDougall CG, Mee E, Mocco J, Molyneux A, Morgan MK, Mori K, Morita A, Murayama Y, Nagahiro S, Pasqualin A, Raabe A, Raymond J, Rinkel GJ, Rüfenacht D, Seifert V, Spears J, Steiger HJ, Steinmetz H, Torner JC, Vajkoczy P, Wanke I, Wong GK, Wong JH, Macdonald RL. Multidisciplinary consensus on assessment of unruptured intracranial aneurysms: proposal of an international research group. *Stroke.* 2014 May;45(5):1523-30. doi: 10.1161/STROKEAHA.114.004519. Epub 2014 Mar 25. PubMed PMID: 24668202.

563: 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.

564: Strother MK, Anderson MD, Singer RJ, Du L, Moore RD, Shyr Y, Ladner TR, Arteaga D, Day MA, Clemmons PF, Donahue MJ. Cerebrovascular collaterals correlate with disease severity in adult North American patients with Moyamoya disease. *AJNR Am J Neuroradiol.* 2014 Jul;35(7):1318-24. doi: 10.3174/ajnr.A3883. Epub 2014 Mar 20. PubMed PMID: 24651814; PubMed Central PMCID: PMC4367488.

565: Hirsch JA, Turk AS, Mocco J, Fiorella DJ, Jayaraman MV, Meyers PM, Yoo AJ, Manchikanti L. Evidence-based clinical practice for the neurointerventionalist. *J Neurointerv Surg.* 2015

Mar;7(3):225-8. doi: 10.1136/neurintsurg-2014-011155. Epub 2014 Feb 27. Review. PubMed PMID: 24578482.

566: Hight MR, Cheung YY, Nickels ML, Dawson ES, Zhao P, Saleh S, Buck JR, Tang D, Washington MK, Coffey RJ, Manning HC. A peptide-based positron emission tomography probe for in vivo detection of caspase activity in apoptotic cells. *Clin Cancer Res*. 2014 Apr 15;20(8):2126-35. doi: 10.1158/1078-0432.CCR-13-2444. Epub 2014 Feb 26. PubMed PMID: 24573549; PubMed Central PMCID: PMC3989451.

567: Zuckerman SL, Seder DB, Tsujiura C, Cushing D, Gallup H, Mocco J, Hanel RA, Ecker RD. Aspirin allergy desensitization in cerebrovascular disease. A report of two cases, literature review and management guide for the neurointerventionalist. *Interv Neuroradiol*. 2014 Jan-Feb;20(1):5-11. Epub 2014 Feb 10. Review. PubMed PMID: 24556294; PubMed Central PMCID: PMC3971141.

568: 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.

569: Parker SL, Amin AG, Santiago-Dieppa D, Liauw JA, Bydon A, Sciubba DM, Wolinsky JP, Gokaslan ZL, Witham TF. Incidence and clinical significance of vascular encroachment resulting from freehand placement of pedicle screws in the thoracic and lumbar spine: analysis of 6816 consecutive screws. *Spine (Phila Pa 1976)*. 2014 Apr 15;39(8):683-7. doi: 10.1097/BRS.0000000000000221. PubMed PMID: 24480963.

570: Dewan MC, Godil SS, Mendenhall SK, Devin CJ, McGirt MJ. C2 nerve root transection during C1 lateral mass screw fixation: does it affect functionality and quality of life? *Neurosurgery*. 2014 May;74(5):475-80; discussion 480-1. doi: 10.1227/NEU.0000000000000306. PubMed PMID: 24476905.

571: Humphries W, Hoit D, Doss VT, Eljovich L, Frei D, Loy D, Dooley G, Turk AS, Chaudry I, Turner R, Mocco J, Morone P, Fiorella D, Siddiqui A, Mokin M, Arthur AS. Distal aspiration with retrievable stent assisted thrombectomy for the treatment of acute ischemic stroke. *J Neurointerv Surg*. 2015 Feb;7(2):90-4. doi: 10.1136/neurintsurg-2013-010986. Epub 2014 Jan 24. PubMed PMID: 24463439.

572: Fisher CG, Goldschlager T, Boriani S, Varga PP, Fehlings MG, Bilsky MH, Dekutoski MB, Luzzati A, Williams RP, Berven S, Chou D, Reynolds JJ, Quraishi NA, Rhines LD, Bettgowda C, Gokaslan ZL. A novel scientific model for rare and often neglected neoplastic conditions. *Evid Based Spine Care J*. 2013 Oct;4(2):160-2. doi: 10.1055/s-0033-1357365. PubMed PMID: 24436717; PubMed Central PMCID: PMC3836955.

573: Uddin MI, Buck JR, Schulte ML, Tang D, Saleh SA, Cheung YY, Harp J, Manning HC. Microwave-assisted, one-pot reaction of 7-azaindoles and aldehydes: a facile route to novel di-7-azaindolylmethanes. *Tetrahedron Lett*. 2014 Jan 1;55(1). doi: 10.1016/j.tetlet.2013.10.143. PubMed PMID: 24396154; PubMed Central PMCID: PMC3880151.

574: 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 Axiom 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.

575: Reddy VK, Parker SL, Lockney DT, Patrawala SA, Su PF, Mericle RA. Percutaneous stereotactic radiofrequency lesioning for trigeminal neuralgia: determination of minimum clinically important

difference in pain improvement for patient-reported outcomes. *Neurosurgery*. 2014 Mar;74(3):262-6; discussion 266. doi: 10.1227/NEU.0000000000000262. PubMed PMID: 24335815.

576: 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.

577: Goyal M, Shamy M, Menon BK, Saver JL, Diener HC, Mocco J, Pereira VM, Jovin TG, Zaidat O, Levy EI, Davalos A, Demchuk A, Hill MD. Endovascular stroke trials: why we must enroll all eligible patients. *Stroke*. 2013 Dec;44(12):3591-5. doi: 10.1161/STROKEAHA.113.002522. Epub 2013 Nov 12. PubMed PMID: 24222044.

578: Adogwa O, Huang MI, Thompson PM, Darlington T, Cheng JS, Gokaslan ZL, Gottfried ON, Bagley CA, Anderson GD, Isaacs RE. No difference in postoperative complications, pain, and functional outcomes up to 2 years after incidental durotomy in lumbar spinal fusion: a prospective, multi-institutional, propensity-matched analysis of 1,741 patients. *Spine J*. 2014 Sep 1;14(9):1828-34. doi: 10.1016/j.spinee.2013.10.023. Epub 2013 Nov 2. PubMed PMID: 24189136.

579: Schirmer CM, Mocco J, Elder JB. Evolving virtual reality simulation in neurosurgery. *Neurosurgery*. 2013 Oct;73 Suppl 1:127-37. doi: 10.1227/NEU.0000000000000060. PubMed PMID: 24051876.

580: 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.

581: McGirt MJ, Godil SS. Reduction of surgical site infection in spine surgery: an opportunity for quality improvement and cost reduction. *Spine J*. 2013 Sep;13(9):1030-1. doi: 10.1016/j.spinee.2013.06.003. PubMed PMID: 24029137.

582: Wellons JC 3rd. Pediatric neurosurgery. *J Neurosurg Pediatr*. 2013 Nov;12(5):419-20. doi: 10.3171/2013.5.PEDS13200. Epub 2013 Aug 30. PubMed PMID: 23992234.

583: Tomyecz L, Forbes J, Ladner T, Kahn E, Maris A, Neimat J, Konrad P. Open thoracic cordotomy as a treatment option for severe, debilitating pain. *J Neurol Surg A Cent Eur Neurosurg*. 2014 Mar;75(2):126-32. doi: 10.1055/s-0033-1349340. Epub 2013 Aug 8. PubMed PMID: 23929410.

584: Godil SS, Parker SL, O'Neill KR, Devin CJ, McGirt MJ. Comparative effectiveness and cost-benefit analysis of local application of vancomycin powder in posterior spinal fusion for spine trauma: clinical article. *J Neurosurg Spine*. 2013 Sep;19(3):331-5. doi: 10.3171/2013.6.SPINE121105. Epub 2013 Jul 12. PubMed PMID: 23848350.

585: Parker SL, Godil SS, Zuckerman SL, Mendenhall SK, Wells JA, Shau DN, McGirt MJ. Comprehensive assessment of 1-year outcomes and determination of minimum clinically important difference in pain,

disability, and quality of life after suboccipital decompression for Chiari malformation I in adults. *Neurosurgery*. 2013 Oct;73(4):569-81; discussion 581. doi: 10.1227/NEU.0000000000000032. PubMed PMID: 23787878.

586: Godil SS, Parker SL, Zuckerman SL, Mendenhall SK, Devin CJ, Asher AL, McGirt MJ. Determining the quality and effectiveness of surgical spine care: patient satisfaction is not a valid proxy. *Spine J*. 2013 Sep;13(9):1006-12. doi: 10.1016/j.spinee.2013.04.008. Epub 2013 May 16. PubMed PMID: 23685216.

587: Parker SL, Grahovac G, Vukas D, Ledic D, Vilendecic M, McGirt MJ. Cost savings associated with prevention of recurrent lumbar disc herniation with a novel annular closure device: a multicenter prospective cohort study. *J Neurol Surg A Cent Eur Neurosurg*. 2013 Sep;74(5):285-9. doi: 10.1055/s-0033-1341416. Epub 2013 May 13. PubMed PMID: 23670809.

588: Sills AK. Treatment of head injuries. *Prim Care*. 2013 Jun;40(2):253-8. doi: 10.1016/j.pop.2013.02.003. Epub 2013 Mar 15. Review. PubMed PMID: 23668643.

589: Tomyecz L, Bansal NK, Lockney T, Strothers M, Connors JJ, Shay S, Singer RJ. Primary balloon angioplasty for symptomatic, high-grade intracranial stenosis. *Surg Neurol Int*. 2013;4:18. doi: 10.4103/2152-7806.107542. Epub 2013 Feb 20. PubMed PMID: 23493431; PubMed Central PMCID: PMC3589835.

590: Adogwa O, Parker SL, Shau DN, Mendenhall SK, Bydon A, Cheng JS, Asher AL, McGirt MJ. Preoperative Zung depression scale predicts patient satisfaction independent of the extent of improvement after revision lumbar surgery. *Spine J*. 2013 May;13(5):501-6. doi: 10.1016/j.spinee.2013.01.017. Epub 2013 Feb 16. PubMed PMID: 23422730.

591: Reddy VK, Parker SL, Patrawala SA, Lockney DT, Su PF, Mericle RA. Microvascular decompression for classic trigeminal neuralgia: determination of minimum clinically important difference in pain improvement for patient reported outcomes. *Neurosurgery*. 2013 May;72(5):749-54; discussion 754. doi: 10.1227/NEU.0b013e318286fad2. PubMed PMID: 23328688.

592: Parker SL, Mendenhall SK, Shau DN, Zuckerman SL, Godil SS, Cheng JS, McGirt MJ. Minimally invasive versus open transforaminal lumbar interbody fusion for degenerative spondylolisthesis: comparative effectiveness and cost-utility analysis. *World Neurosurg*. 2014 Jul-Aug;82(1-2):230-8. doi: 10.1016/j.wneu.2013.01.041. Epub 2013 Jan 12. PubMed PMID: 23321379.

593: McGirt MJ, Speroff T, Godil SS, Cheng JS, Selden NR, Asher AL. Outcome science in practice: an overview and initial experience at the Vanderbilt Spine Center. *Neurosurg Focus*. 2013 Jan;34(1):E7. doi: 10.3171/2012.10.FOCUS12298. PubMed PMID: 23278268.

594: McGirt MJ, Speroff T, Dittus RS, Harrell FE Jr, Asher AL. The National Neurosurgery Quality and Outcomes Database (N2QOD): general overview and pilot-year project description. *Neurosurg Focus*. 2013 Jan;34(1):E6. doi: 10.3171/2012.10.FOCUS12297. PubMed PMID: 23278267.

595: Parker SL, Kretzer RM, Recinos PF, Molina CA, Wolinsky JP, Jallo GI, Recinos VR. Ultrasonic BoneScalpel for osteoplastic laminoplasty in the resection of intradural spinal pathology: case series and technical note. *Neurosurgery*. 2013 Sep;73(1 Suppl Operative):ons61-6. doi: 10.1227/NEU.0b013e318283c98b. PubMed PMID: 23262563.

596: Khan IS, Sonig A, Thakur JD, Bollam P, Nanda A. Perioperative complications in patients undergoing open transforaminal lumbar interbody fusion as a revision surgery. *J Neurosurg Spine*. 2013 Mar;18(3):260-4. doi: 10.3171/2012.11.SPINE12558. Epub 2012 Dec 21. PubMed PMID:

23259540.

597: Adogwa O, Owens R, Karikari I, Agarwal V, Gottfried ON, Bagley CA, Isaacs RE, Cheng JS. Revision lumbar surgery in elderly patients with symptomatic pseudarthrosis, adjacent-segment disease, or same-level recurrent stenosis. Part 2. A cost-effectiveness analysis: clinical article. *J Neurosurg Spine*. 2013 Feb;18(2):147-53. doi: 10.3171/2012.11.SPINE12226. Epub 2012 Dec 11. PubMed PMID: 23231358.

598: Adogwa O, Carr RK, Kudyba K, Karikari I, Bagley CA, Gokaslan ZL, Theodore N, Cheng JS. Revision lumbar surgery in elderly patients with symptomatic pseudarthrosis, adjacent-segment disease, or same-level recurrent stenosis. Part 1. Two-year outcomes and clinical efficacy: clinical article. *J Neurosurg Spine*. 2013 Feb;18(2):139-46. doi: 10.3171/2012.11.SPINE12224. Epub 2012 Dec 11. PubMed PMID: 23231354.

599: Parker SL, Adogwa O, Mendenhall SK, Shau DN, Anderson WN, Cheng JS, Devin CJ, McGirt MJ. Determination of minimum clinically important difference (MCID) in pain, disability, and quality of life after revision fusion for symptomatic pseudoarthrosis. *Spine J*. 2012 Dec;22(12):1122-8. doi: 10.1016/j.spinee.2012.10.006. Epub 2012 Nov 14. PubMed PMID: 23158968.

600: Zuckerman SL, France DJ, Green C, Leming-Lee S, Anders S, Mocco J. Surgical debriefing: a reliable roadmap to completing the patient safety cycle. *Neurosurg Focus*. 2012 Nov;33(5):E4. doi: 10.3171/2012.8.FOCUS12248. Review. PubMed PMID: 23116099.

601: Shau DN, Parker SL, Mendenhall SK, Zuckerman SL, Godil SS, Devin CJ, McGirt MJ. Transforaminal lumbar interbody graft placement using an articulating delivery arm facilitates increased segmental lordosis with superior anterior and midline graft placement. *J Spinal Disord Tech*. 2015 May;28(4):140-6. doi: 10.1097/BSD.0b013e318275658e. PubMed PMID: 23059702.

602: Parker SL, McGirt MJ. Determination of the minimum improvement in pain, disability, and health state associated with cost-effectiveness: introduction of the concept of minimum cost-effective difference. *Neurosurgery*. 2012 Dec;71(6):1149-55. doi: 10.1227/NEU.0b013e318271ebde. PubMed PMID: 22986596.

603: Jefferson AL, Carmona H, Gifford KA, Lambe S, Byerly LK, Cantwell NG, Tripodis Y, Karlawish J. Clinical research risk assessment among individuals with mild cognitive impairment. *Am J Geriatr Psychiatry*. 2012 Oct;20(10):878-86. doi: 10.1097/JGP.0b013e318252e5cb. PubMed PMID: 22549368; PubMed Central PMCID: PMC3411922.

604: Adogwa O, Parker SL, Mendenhall SK, Shau DN, Aaronson O, Cheng J, Devin CJ, McGirt MJ. Laminectomy and extension of instrumented fusion improves 2-year pain, disability, and quality of life in patients with adjacent segment disease: defining the long-term effectiveness of surgery. *World Neurosurg*. 2013 Dec;80(6):893-6. doi: 10.1016/j.wneu.2011.12.082. Epub 2011 Dec 24. PubMed PMID: 22381277.

605: Parker SL, Mendenhall SK, Shau DN, Adogwa O, Anderson WN, Devin CJ, McGirt MJ. Minimum clinically important difference in pain, disability, and quality of life after neural decompression and fusion for same-level recurrent lumbar stenosis: understanding clinical versus statistical significance. *J Neurosurg Spine*. 2012 May;16(5):471-8. doi: 10.3171/2012.1.SPINE11842. Epub 2012 Feb 10. PubMed PMID: 22324801.

606: Parker SL, Shau DN, Mendenhall SK, McGirt MJ. Factors influencing 2-year health care costs in

- patients undergoing revision lumbar fusion procedures. *J Neurosurg Spine*. 2012 Apr;16(4):323-8. doi: 10.3171/2011.12.SPINE11750. Epub 2012 Jan 27. PubMed PMID: 22284228.
- 607: Lebow R, Parker SL, Adogwa O, Reig A, Cheng J, Bydon A, McGirt MJ. Microdiscectomy improves pain-associated depression, somatic anxiety, and mental well-being in patients with herniated lumbar disc. *Neurosurgery*. 2012 Feb;70(2):306-11; discussion 311. doi: 10.1227/NEU.0b013e3182302ec3.. PubMed PMID: 22251975.
- 608: Parker SL, Adogwa O, Bydon A, Cheng J, McGirt MJ. Cost-effectiveness of minimally invasive versus open transforaminal lumbar interbody fusion for degenerative spondylolisthesis associated low-back and leg pain over two years. *World Neurosurg*. 2012 Jul;78(1-2):178-84. doi: 10.1016/j.wneu.2011.09.013. Epub 2011 Nov 7. PubMed PMID: 22120269.
- 609: Adogwa O, Parker SL, Shau DN, Mendenhall SK, Aaronson O, Cheng JS, Devin CJ, McGirt MJ. Cost per quality-adjusted life year gained of revision neural decompression and instrumented fusion for same-level recurrent lumbar stenosis: defining the value of surgical intervention. *J Neurosurg Spine*. 2012 Feb;16(2):135-40. doi: 10.3171/2011.9.SPINE11308. Epub 2011 Nov 4. PubMed PMID: 22054639.
- 610: Adogwa O, Parker SL, Shau DN, Mendenhall SK, Devin CJ, Cheng JS, McGirt MJ. Cost per quality-adjusted life year gained of laminectomy and extension of instrumented fusion for adjacent-segment disease: defining the value of surgical intervention. *J Neurosurg Spine*. 2012 Feb;16(2):141-6. doi: 10.3171/2011.9.SPINE11419. Epub 2011 Nov 4. PubMed PMID: 22054637.
- 611: Cheng JS, Lee MJ, Massicotte E, Ashman B, Gruenberg M, Pilcher LE, Skelly AC. Clinical guidelines and payer policies on fusion for the treatment of chronic low back pain. *Spine (Phila Pa 1976)*. 2011 Oct 1;36(21 Suppl):S144-63. doi: 10.1097/BRS.0b013e31822ef5b4. Review. PubMed PMID: 21952186.
- 612: Parker SL, Mendenhall SK, Shau D, Adogwa O, Cheng JS, Anderson WN, Devin CJ, McGirt MJ. Determination of minimum clinically important difference in pain, disability, and quality of life after extension of fusion for adjacent-segment disease. *J Neurosurg Spine*. 2012 Jan;16(1):61-7. doi: 10.3171/2011.8.SPINE11194. Epub 2011 Sep 30. PubMed PMID: 21962034.
- 613: Parker SL, Adogwa O, Davis BJ, Fulchiero E, Aaronson O, Cheng J, Devin CJ, McGirt MJ. Cost-utility analysis of minimally invasive versus open multilevel hemilaminectomy for lumbar stenosis. *J Spinal Disord Tech*. 2013 Feb;26(1):42-7. doi: 10.1097/BSD.0b013e318232313d. PubMed PMID: 21959840.
- 614: Adogwa O, Parker SL, Shau DN, Mendenhall SK, Aaronson OS, Cheng JS, Devin CJ, McGirt MJ. Preoperative Zung Depression Scale predicts outcome after revision lumbar surgery for adjacent segment disease, recurrent stenosis, and pseudarthrosis. *Spine J*. 2012 Mar;12(3):179-85. doi: 10.1016/j.spinee.2011.08.014. Epub 2011 Sep 21. PubMed PMID: 21937282.
- 615: Forbes JA, Reig AS, Smith JG, Jermakowicz W, Tomycz L, Shay SD, Sun DA, Wushensky CA, Pearson MM. Findings on preoperative brain MRI predict histopathology in children with cerebellar neoplasms. *Pediatr Neurosurg*. 2011;47(1):51-9. doi: 10.1159/000329627. Epub 2011 Aug 22. PubMed PMID: 21921669; PubMed Central PMCID: PMC3219443.
- 616: Ovalle F, Shay SD, Mericle RA. Delayed intracerebral hemorrhage after uneventful embolization of brain arteriovenous malformations is related to volume of embolic agent administered: multivariate analysis of 13 predictive factors. *Neurosurgery*. 2012 Jun;70(2 Suppl Operative):313-20. doi: 10.1227/NEU.0b013e3182357df3. PubMed PMID: 21904259.
- 617: Forbes J, Cooper C, Jermakowicz W, Neimat J, Konrad P. Microvascular decompression: salient surgical principles and technical nuances. *J Vis Exp*. 2011 Jul 5;(53):e2590. doi: 10.3791/2590. PubMed

PMID: 21775951; PubMed Central PMCID: PMC3196190.

618: Forbes JA, Mobley BC, O'Lynnner TM, Cooper CM, Ghiassi M, Hanif R, Pearson MM. Pediatric cerebellar pilomyxoid-spectrum astrocytomas. *J Neurosurg Pediatr.* 2011 Jul;8(1):90-6. doi: 10.3171/2011.4.PEDS1115. PubMed PMID: 21721894; PubMed Central PMCID: PMC3779306.

619: Adogwa O, Parker SL, Shau D, Mendelhall SK, Cheng J, Aaronson O, Devin CJ, McGirt MJ. Long-term outcomes of revision fusion for lumbar pseudarthrosis: clinical article. *J Neurosurg Spine.* 2011 Oct;15(4):393-8. doi: 10.3171/2011.4.SPINE10822. Epub 2011 Jun 24. PubMed PMID: 21699473.

620: Forbes JA, Wilkerson J, Chambless L, Shay SD, Elswick CM, Abblitt PW, Adogwa O, Russell P, Weaver KD, Allen GS, Utz AL. Safety and cost effectiveness of early discharge following microscopic trans-sphenoidal resection of pituitary lesions. *Surg Neurol Int.* 2011;2:66. doi: 10.4103/2152-7806.81723. Epub 2011 May 28. PubMed PMID: 21697981; PubMed Central PMCID: PMC3115163.

621: Parker SL, Fulchiero EC, Davis BJ, Adogwa O, Aaronson OS, Cheng JS, Devin CJ, McGirt MJ. Cost-effectiveness of multilevel hemilaminectomy for lumbar stenosis-associated radiculopathy. *Spine J.* 2011 Aug;11(8):705-11. doi: 10.1016/j.spinee.2011.04.024. Epub 2011 Jun 8. PubMed PMID: 21641874.

622: Remple MS, Bradenham CH, Kao CC, Charles PD, Neimat JS, Konrad PE. Subthalamic nucleus neuronal firing rate increases with Parkinson's disease progression. *Mov Disord.* 2011 Aug 1;26(9):1657-62. doi: 10.1002/mds.23708. Epub 2011 May 3. PubMed PMID: 21542021; PubMed Central PMCID: PMC3151310.

623: Adogwa O, Parker SL, Davis BJ, Aaronson O, Devin C, Cheng JS, McGirt MJ. Cost-effectiveness of transforaminal lumbar interbody fusion for Grade I degenerative spondylolisthesis. *J Neurosurg Spine.* 2011 Aug;15(2):138-43. doi: 10.3171/2011.3.SPINE10562. Epub 2011 May 6. Erratum in: *J Neurosurg Spine.* 2011 Aug;15(2):211. PubMed PMID: 21529203.

624: McGirt MJ, Parker SL, Lerner J, Engelhart L, Knight T, Wang MY. Comparative analysis of perioperative surgical site infection after minimally invasive versus open posterior/transforaminal lumbar interbody fusion: analysis of hospital billing and discharge data from 5170 patients. *J Neurosurg Spine.* 2011 Jun;14(6):771-8. doi: 10.3171/2011.1.SPINE10571. Epub 2011 Mar 18. PubMed PMID: 21417699.

625: Choxi AA, Durrani AK, Mericle RA. Both surgical clipping and endovascular embolization of unruptured intracranial aneurysms are associated with long-term improvement in self-reported quantitative headache scores. *Neurosurgery.* 2011 Jul;69(1):128-33; discussion 133-4. doi: 10.1227/NEU.0b013e318213437d. PubMed PMID: 21368702.

626: Adogwa O, Parker SL, Bydon A, Cheng J, McGirt MJ. Comparative effectiveness of minimally invasive versus open transforaminal lumbar interbody fusion: 2-year assessment of narcotic use, return to work, disability, and quality of life. *J Spinal Disord Tech.* 2011 Dec;24(8):479-84. doi: 10.1097/BSD.0b013e3182055cac. PubMed PMID: 21336176.

627: Simon SD, Eskioglu E, Reig A, Mericle RA. Endovascular treatment of side wall aneurysms using a liquid embolic agent: a US single-center prospective trial. *Neurosurgery.* 2010 Sep;67(3):855-60; discussion 860. doi: 10.1227/01.NEU.0000374772.22745.C3. PubMed PMID: 20729667.

- 628: Cheng JS, Arnold PM, Anderson PA, Fischer D, Dettori JR. Anticoagulation risk in spine surgery. *Spine (Phila Pa 1976)*. 2010 Apr 20;35(9 Suppl):S117-24. doi: 10.1097/BRS.0b013e3181d833d4. Review. PubMed PMID: 20407343.
- 629: Cheng JS, Lebow RL, Schmidt MH, Spooner J. Rod derotation techniques for thoracolumbar spinal deformity. *Neurosurgery*. 2008 Sep;63(3 Suppl):149-56. doi: 10.1227/01.NEU.0000320432.81345.94. Review. PubMed PMID: 18812917.
- 630: Stevenson CB, Ehtesham M, McMillan KM, Valadez JG, Edgeworth ML, Price RR, Abel TW, Mapara KY, Thompson RC. CXCR4 expression is elevated in glioblastoma multiforme and correlates with an increase in intensity and extent of peritumoral T2-weighted magnetic resonance imaging signal abnormalities. *Neurosurgery*. 2008 Sep;63(3):560-9; discussion 569-70. doi: 10.1227/01.NEU.0000324896.26088.EF. PubMed PMID: 18812968; PubMed Central PMCID: PMC2602832.
- 631: Yao TL, Eskioglu E, Ayad M, Ulm AJ, Mericle RA. Improved image interpretation with combined superselective and standard angiography (double injection technique) during embolization of arteriovenous malformations. *Neurosurgery*. 2008 Mar;62(3 Suppl 1):140-1; discussion 141. doi: 10.1227/01.neu.0000317384.53314.f2. PubMed PMID: 18424978.
- 632: France DJ, Leming-Lee S, Jackson T, Feistritz NR, Higgins MS. An observational analysis of surgical team compliance with perioperative safety practices after crew resource management training. *Am J Surg*. 2008 Apr;195(4):546-53. doi: 10.1016/j.amjsurg.2007.04.012. PubMed PMID: 18304501.
- 633: Cheng JS, Liu F, Komistek RD, Mahfouz MR, Sharma A, Glaser D. Comparison of cervical spine kinematics using a fluoroscopic model for adjacent segment degeneration. Invited submission from the Joint Section on Disorders of the Spine and Peripheral Nerves, March 2007. *J Neurosurg Spine*. 2007 Nov;7(5):509-13. PubMed PMID: 17977192.
- 634: Ayad M, Ulm AJ, Yao T, Eskioglu E, Mericle RA. Real-time image guidance for open vascular neurosurgery using digital angiographic roadmapping. *Neurosurgery*. 2007 Sep;61(3 Suppl):55-61; discussion 61-2. PubMed PMID: 17876233.
- 635: Kirshner HS; Working Group on Stroke Centers of the Stroke Belt Consortium. Stroke center guidelines: a statement of the Working Group on Stroke Centers of the Stroke Belt Consortium. *J Stroke Cerebrovasc Dis*. 2000 May-Jun;9(3):144-6. PubMed PMID: 17895212.
- 636: Recio MV, Gallagher MJ, McLean MJ, Abou-Khalil B. Clinical features of epilepsy in patients with cerebellar structural abnormalities in a referral center. *Epilepsy Res*. 2007 Aug;76(1):1-5. Epub 2007 Jul 30. PubMed PMID: 17664061.
- 637: Spooner J, Yu H, Kao C, Sillay K, Konrad P. Neuromodulation of the cingulum for neuropathic pain after spinal cord injury. Case report. *J Neurosurg*. 2007 Jul;107(1):169-72. PubMed PMID: 17639889.
- 638: Russell PT, Weaver KD. Anterior endoscopic skull-base surgery getting started: an otolaryngologist's perspective. *Curr Opin Otolaryngol Head Neck Surg*. 2007 Feb;15(1):1-5. Review. PubMed PMID: 17211175.
- 639: Mangels KJ, Johnson MD, Weil RJ. 35-year-old woman with progressive bilateral leg weakness. *Brain Pathol*. 2006 Apr;16(2):183-4, 187. PubMed PMID: 16768759.
- 640: Tulipan N, Cleves MA. Effect of an intraoperative double-gloving strategy on the incidence of

- cerebrospinal fluid shunt infection. *J Neurosurg*. 2006 Jan;104(1 Suppl):5-8. PubMed PMID: 16509473.
- 641: Aulino JM, Tutt LK, Kaye JJ, Smith PW, Morris JA Jr. Occipital condyle fractures: clinical presentation and imaging findings in 76 patients. *Emerg Radiol*. 2005 Nov;11(6):342-7. Epub 2005 Jul 15. PubMed PMID: 16344975.
- 642: Weaver K, Huang J, Tamargo RJ, Bernard EJ Jr. Preoperative localization of the carotid bifurcation for carotid endarterectomy using magnetic resonance angiography without tomography: technical note. *Neurosurgery*. 2004 Nov;55(5):1227. PubMed PMID: 15791743.
- 643: Tulipan N. Intrauterine closure of myelomeningocele: an update. *Neurosurg Focus*. 2004 Feb 15;16(2):E2. Review. PubMed PMID: 15209485.
- 644: Tulipan N. Intrauterine myelomeningocele repair. *Clin Perinatol*. 2003 Sep;30(3):521-30. Review. PubMed PMID: 14533893.
- 645: Aaronson OS, Hernanz-Schulman M, Bruner JP, Reed GW, Tulipan NB. Myelomeningocele: prenatal evaluation-comparison between transabdominal US and MR imaging. *Radiology*. 2003 Jun;227(3):839-43. Epub 2003 Apr 24. PubMed PMID: 12714679.
- 646: Tulipan N, Sutton LN, Bruner JP, Cohen BM, Johnson M, Adzick NS. The effect of intrauterine myelomeningocele repair on the incidence of shunt-dependent hydrocephalus. *Pediatr Neurosurg*. 2003 Jan;38(1):27-33. PubMed PMID: 12476024.
- 647: Aaronson OS, Tulipan NB, Cywes R, Sundell HW, Davis GH, Bruner JP, Richards WO. Robot-assisted endoscopic intrauterine myelomeningocele repair: a feasibility study. *Pediatr Neurosurg*. 2002 Feb;36(2):85-9. PubMed PMID: 11893890.
- 648: Weil RJ. Meningeal neurosarcoidosis mimicking convexity meningioma. Case illustration. *J Neurosurg*. 2001 Jun;94(6):1013. PubMed PMID: 11409504.
- 649: Pearson MM, Lu J, Mount DB, Delpire E. Localization of the K(+)-Cl(-) cotransporter, KCC3, in the central and peripheral nervous systems: expression in the choroid plexus, large neurons and white matter tracts. *Neuroscience*. 2001;103(2):481-91. PubMed PMID: 11246162.
- 650: Holzbeierlein J, Pope JC IV, Adams MC, Bruner J, Tulipan N, Brock JW 3rd. The urodynamic profile of myelodysplasia in childhood with spinal closure during gestation. *J Urol*. 2000 Oct;164(4):1336-9. PubMed PMID: 10992409.
- 651: Mangels KJ, Tulipan N, Tsao LY, Alarcon J, Bruner JP. Fetal MRI in the evaluation of intrauterine myelomeningocele. *Pediatr Neurosurg*. 2000 Mar;32(3):124-31. PubMed PMID: 10867558.
- 652: Mangels KJ, Tulipan N, Bruner JP, Nickolaus D. Use of bipedicular advancement flaps for intrauterine closure of myeloschisis. *Pediatr Neurosurg*. 2000 Jan;32(1):52-6. PubMed PMID: 10765140.
- 653: Tulipan N, Hernanz-Schulman M, Lowe LH, Bruner JP. Intrauterine myelomeningocele repair reverses preexisting hindbrain herniation. *Pediatr Neurosurg*. 1999 Sep;31(3):137-42. PubMed PMID: 10708355.
- 654: Tulipan N, Bruner JP, Hernanz-Schulman M, Lowe LH, Walsh WF, Nickolaus D, Oakes WJ. Effect of intrauterine myelomeningocele repair on central nervous system structure and function. *Pediatr*

Neurosurg. 1999 Oct;31(4):183-8. PubMed PMID: 10705927.

655: Singer RJ, Clough J, Johnson M, Atkinson JB, Copeland M. Pigmented schwannoma of the ventral spinal cord. South Med J. 1999 May;92(5):532-4. PubMed PMID: 10342906.

656: West J, Fitzpatrick JM, Wang MY, Dawant BM, Maurer CR Jr, Kessler RM, Maciunas RJ. Retrospective intermodality registration techniques for images of the head: surface-based versus volume-based. IEEE Trans Med Imaging. 1999 Feb;18(2):144-50. PubMed PMID: 10232671.

657: Tulipan N, Hernanz-Schulman M, Bruner JP. Reduced hindbrain herniation after intrauterine myelomeningocele repair: A report of four cases. Pediatr Neurosurg. 1998 Nov;29(5):274-8. PubMed PMID: 9917546.

658: Tulipan N, Bruner JP. Myelomeningocele repair in utero: a report of three cases. Pediatr Neurosurg. 1998 Apr;28(4):177-80. PubMed PMID: 9732243.

659: Tulipan N, Lavin PJ, Copeland M. Stereotactic ventriculoperitoneal shunt for idiopathic intracranial hypertension: technical note. Neurosurgery. 1998 Jul;43(1):175-6; discussion 176-7. PubMed PMID: 9657208.

660: Schreiner S, Galloway RL Jr, Lewis JT, Bass WA, Muratore DM. An ultrasonic approach to localization of fiducial markers for interactive, image-guided neurosurgery-Part II: Implementation and automation. IEEE Trans Biomed Eng. 1998 May;45(5):631-41. PubMed PMID: 9581062.

661: Drewek MJ, Bruner JP, Whetsell WO, Tulipan N. Quantitative analysis of the toxicity of human amniotic fluid to cultured rat spinal cord. Pediatr Neurosurg. 1997 Oct;27(4):190-3. PubMed PMID: 9577972.

662: West J, Fitzpatrick JM, Wang MY, Dawant BM, Maurer CR Jr, Kessler RM, Maciunas RJ, Barillot C, Lemoine D, Collignon A, Maes F, Suetens P, Vandermeulen D, van den Elsen PA, Napel S, Sumanaweera TS, Harkness B, Hemler PF, Hill DL, Hawkes DJ, Studholme C, Maintz JB, Viergever MA, Malandain G, Woods RP, et al. Comparison and evaluation of retrospective intermodality brain image registration techniques. J Comput Assist Tomogr. 1997 Jul-Aug;21(4):554-66. PubMed PMID: 9216759.

663: Maciunas RJ. Intraoperative cranial navigation. Clin Neurosurg. 1996;43:353-81. Review. PubMed PMID: 9247816.

664: Maciunas RJ, Galloway RL Jr, Latimer JW. The application accuracy of stereotactic frames. Neurosurgery. 1994 Oct;35(4):682-94; discussion 694-5. PubMed PMID: 7808612.

665: Van Kooten DW, Maciunas RJ, Carver RS. Effects of nimodipine and dexamethasone on low-level CO2 laser-induced release of 51chromium from canine 2C5 gliosarcoma cells. Lasers Surg Med. 1994;15(4):390-4. PubMed PMID: 7885173.

666: Copeland ML, Bruner JP, Richards WO, Sundell HW, Tulipan NB. A model for in utero endoscopic treatment of myelomeningocele. Neurosurgery. 1993 Sep;33(3):542-4; discussion 545. PubMed PMID: 8413896.

667: Van Kooten DW, Maciunas RJ, Carver RS. Low-level CO2 laser-induced release of 51chromium from canine 2C5 gliosarcoma cells. Lasers Surg Med. 1993;13(5):517-21. PubMed PMID: 8264321.

668: Maciunas RJ, Galloway RL Jr, Fitzpatrick JM, Mandava VR, Edwards CA, Allen GS. A universal system for interactive image-directed neurosurgery. Stereotact Funct Neurosurg.

1992;58(1-4):108-13. PubMed PMID: 1439326.

669: Maciunas RJ, Kessler RM, Maurer C, Mandava V, Watt G, Smith G. Positron emission tomography imaging-directed stereotactic neurosurgery. Stereotact Funct Neurosurg. 1992;58(1-4):134-40. PubMed PMID: 1439330.

670: Verderber L, Maciunas R, Morris J. Rapid management of intracranial hypertension to reverse transtentorial herniation. J Tenn Med Assoc. 1990 Mar;83(3):119-23. PubMed PMID: 2319772.

671: Galloway RL, Maciunas RJ. Stereotactic neurosurgery. Crit Rev Biomed Eng. 1990;18(3):181-205. Review. PubMed PMID: 2286093.

672: Maciunas RJ, Juneau P. Limiting artifact in CT stereotaxic periventricular procedures. Technical note. J Neurosurg. 1988 Sep;69(3):459-60. PubMed PMID: 3042921.

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