

University of Tennessee Health Science Center

Department of Neurosurgery, University of Tennessee Health Science Center, [Memphis](#), Tennessee.

Liu APY, Hastings C, Wu S, Bass JK, Heitzer AM, Ashford J, Vestal R, Hoehn ME, Ghazwani Y, Acharya S, Conklin HM, Boop F, Merchant TE, Gajjar A, Qaddoumi I. Treatment burden and long-term health deficits of patients with low-grade [gliomas](#) or [glioneuronal tumors](#) diagnosed during the first year of life. *Cancer*. 2019 Jan 8. doi: 10.1002/cncr.31918. [Epub ahead of print] PubMed PMID: 30620400.

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

3: Franklin DB 3rd, Hardaway AT, Sheffer BW, Spence DD, Kelly DM, Muhlbauer MS, Warner WC Jr, Sawyer JR. The Role of Computed Tomography and Magnetic Resonance Imaging in the Diagnosis of Pediatric Thoracolumbar Compression Fractures. *J Pediatr Orthop*. 2018 Dec 26. doi: 10.1097/BPO.0000000000001316. [Epub ahead of print] PubMed PMID: 30589678.

4: Tsivgoulis G, Katsanos AH, Schellinger PD, Köhrmann M, Caso V, Palaiodimou L, Magoufis G, Arthur A, Fischer U, Alexandrov AV. Advanced Neuroimaging in Stroke Patient Selection for Mechanical Thrombectomy. *Stroke*. 2018 Dec;49(12):3067-3070. doi: 10.1161/STROKEAHA.118.022540. PubMed PMID: 30571421.

5: Pojskic M, Arnautovic KI. Microsurgical Resection of Low-Grade Spinal Cord Astrocytoma: 2-Dimensional Operative Video. *Oper Neurosurg (Hagerstown)*. 2018 Dec 19. doi: 10.1093/ons/opy386. [Epub ahead of print] PubMed PMID: 30566660.

6: Pandhi A, Tsivgoulis G, Ishfaq MF, Katsanos A, Magoufis G, Malhotra K, Krishnan R, Arthur A, Hoit D, Elijovich L, Alexandrov AV, Cheema A, Goyal N. Mechanical thrombectomy outcomes in large vessel stroke with high international normalized ratio. *J Neurol Sci*. 2019 Jan 15;396:193-198. doi: 10.1016/j.jns.2018.11.019. Epub 2018 Nov 19. PubMed PMID: 30481657.

7: Fraser BD, Lingo PR, Khan NR, Vaughn BN, Klimo P Jr. Pediatric Abusive Head Trauma: Return to Hospital System in the First Year Post Injury. *Neurosurgery*. 2018 Nov 23. doi: 10.1093/neuros/nyy456. [Epub ahead of print] PubMed PMID: 30476266.

8: Gajski D, Dennis AR, Arnautović KI. Microsurgical Decompression of Trigeminal Neuralgia Caused by Simultaneous Double Arterial (SCA and AICA) and Petrosal Vein Complex Compression. *J Neurol Surg B Skull Base*. 2018 Dec;79(Suppl 5):S428-S430. doi: 10.1055/s-0038-1669968. Epub 2018 Sep 25. PubMed PMID: 30473985; PubMed Central PMCID: PMC6243231.

9: Heitzer AM, Ashford JM, Hastings C, Liu APY, Wu S, Bass JK, Vestal R, Hoehn M, Chiang J, Ghazwani Y, Acharya S, Boop F, Gajjar A, Merchant TE, Qaddoumi I, Conklin HM. Neuropsychological outcomes of patients with low-grade glioma diagnosed during the first year of life. *J Neurooncol*. 2018 Nov 22. doi: 10.1007/s11060-018-03048-0. [Epub ahead of print] PubMed PMID: 30467811.

10: Smetana KS, Ziemba R, May CC, Erdman MJ, Van Matre ET, Jones GM. Adjusted versus actual body

weight dosing of 4-factor prothrombin complex concentrate in obese patients with warfarin-associated major bleeding. *J Thromb Thrombolysis*. 2018 Nov 20. doi: 10.1007/s11239-018-1771-6. [Epub ahead of print] PubMed PMID: 30460443.

11: Zhang C, Boop FA, Ruge J. The use of 5-aminolevulinic acid in resection of pediatric brain tumors: a critical review. *J Neurooncol*. 2018 Nov 15. doi: 10.1007/s11060-018-03004-y. [Epub ahead of print] Review. PubMed PMID: 30443833.

12: Tews J, Jahromi BR, Ludtka C, Schwan S, Ota N, Meisel HJ, Tanikawa R, Lawton M, Goehre F. TachoSil Dural Reconstruction in Extracranial-Intracranial Bypass Surgeries. *J Neurol Surg A Cent Eur Neurosurg*. 2018 Nov 15. doi: 10.1055/s-0038-1675565. [Epub ahead of print] PubMed PMID: 30440066.

13: Expert Panel on Neurologic Imaging:, Sharma A, Kirsch CFE, Aulino JM, Chakraborty S, Choudhri AF, Germano IM, Kendi AT, Kim HJ, Lee RK, Liebeskind DS, Luttrull MD, Moritani T, Murad GJA, Shah LM, Shih RY, Symko SC, Bykowski J. ACR Appropriateness Criteria(®) Hearing Loss and/or Vertigo. *J Am Coll Radiol*. 2018 Nov;15(11S):S321-S331. doi: 10.1016/j.jacr.2018.09.020. PubMed PMID: 30392601.

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

15: Sarraj A, Hassan A, Savitz SI, Grotta JC, Cai C, Parsha KN, Farrell CM, Imam B, Sitton CW, Reddy ST, Kamal H, Goyal N, Eljovich L, Reishus K, Krishnan R, Sangha N, Wu A, Costa R, Malik R, Mir O, Hasan R, Snodgrass LM, Requena M, Graybeal D, Abraham M, Chen M, McCullough LD, Ribo M. Endovascular Thrombectomy for Mild Strokes: How Low Should We Go? *Stroke*. 2018 Oct;49(10):2398-2405. doi: 10.1161/STROKEAHA.118.022114. PubMed PMID: 30355094; PubMed Central PMCID: PMC6209123.

16: 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)*. 2018 Oct 11. doi: 10.1097/BRS.0000000000002894. [Epub ahead of print] PubMed PMID: 30312268.

17: Nickele C, Nguyen V, Fisher W, Couldwell W, Aboud E, David C, Morcos J, Charalampaki C, Arthur A. A Pilot Comparison of Multispectral Fluorescence to Indocyanine Green Videoangiography and Other Modalities for Intraoperative Assessment in Vascular Neurosurgery. *Oper Neurosurg (Hagerstown)*. 2018 Oct 5. doi: 10.1093/ons/opy237. [Epub ahead of print] PubMed PMID: 30295894.

1: Tsivgoulis G, Wilson D, Katsanos AH, Sargento-Freitas J, Marques-Matos C, Azevedo E, Adachi T, von der Brelie C, Aizawa Y, Abe H, Tomita H, Okumura K, Hagii J, Seiffge DJ, Lioutas VA, Traenka C, Varelas P, Basir G, Krogias C, Purruccer JC, Sharma VK, Rizos T, Mikulik R, Sobowale OA, Barlinn K, Sallinen H, Goyal N, Yeh SJ, Karapanayiotides T, Wu TY, Vadikolias K, Ferrigno M, Hadjigeorgiou G, Houben R, Giannopoulos S, Schreuder FHBM, Chang JJ, Perry LA, Mehdorn M, Marto JP, Pinho J, Tanaka J, Boulanger M, Salman RA, Jäger HR, Shakeshaft C, Yakushiji Y, Choi PMC, Staals J, Cordonnier C, Jeng JS, Veltkamp R, Dowlathshahi D, Engelter ST, Parry-Jones AR, Meretoja A, Mitsias P, Alexandrov AV, Ambler G, Werring DJ. Neuroimaging and clinical outcomes of oral anticoagulant associated ICH. *Ann*

Neurol. 2018 Sep 26. doi: 10.1002/ana.25342. [Epub ahead of print] PubMed PMID: 30255970.

2: Liu APY, Harreld JH, Jacola LM, Gero M, Acharya S, Ghazwani Y, Wu S, Li X, Klimo P Jr, Gajjar A, Chiang J, Qaddoumi I. Tectal glioma as a distinct diagnostic entity: a comprehensive clinical, imaging, histologic and molecular analysis. *Acta Neuropathol Commun*. 2018 Sep 25;6(1):101. doi: 10.1186/s40478-018-0602-5. PubMed PMID: 30253793; PubMed Central PMCID: PMC6154813.

3: 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)*. 2018 Sep 21. doi: 10.1097/BRS.0000000000002883. [Epub ahead of print] PubMed PMID: 30247371.

4: Qian S, Yang Y, Li N, Cheng T, Wang X, Liu J, Li X, Desiderio DM, Zhan X. Prolactin Variants in Human Pituitaries and pituitary neuroendocrine tumors Identified With Two-Dimensional Gel Electrophoresis and Mass Spectrometry. *Front Endocrinol (Lausanne)*. 2018 Aug 28;9:468. doi: 10.3389/fendo.2018.00468. eCollection 2018. PubMed PMID: 30210449; PubMed Central PMCID: PMC6121189.

5: Sivakumaran R, Uschold TD, Brown MT, Patel NR. Trans-Facet & Trans-Pedicular Posterior Approaches to Thoracic Disc Herniations: Consecutive Case Series of 24 Patients. *World Neurosurg*. 2018 Sep 3. pii: S1878-8750(18)31974-0. doi: 10.1016/j.wneu.2018.08.191. [Epub ahead of print] PubMed PMID: 30189307.

6: Alsherbini K, Goyal N, Metter EJ, Pandhi A, Tsivgoulis G, Huffstatler T, Kelly H, Elijovich L, Malkoff M, Alexandrov A. Predictors for Tracheostomy with External Validation of the Stroke-Related Early Tracheostomy Score (SETscore). *Neurocrit Care*. 2018 Aug 30. doi: 10.1007/s12028-018-0596-7. [Epub ahead of print] PubMed PMID: 30167898.

7: Subbiah V, Murthy R, Hong DS, Prins RM, Hosing C, Hendricks K, Kolli D, Noffsinger L, Brown R, McGuire M, Fu S, Piha-Paul S, Naing A, Conley AP, Benjamin RS, Kaur I, Bosch ML. Cytokines Produced by Dendritic Cells Administered Intratumorally Correlate with Clinical Outcome in Patients with Diverse Cancers. *Clin Cancer Res*. 2018 Aug 15;24(16):3845-3856. doi: 10.1158/1078-0432.CCR-17-2707. Epub 2018 Jul 17. PubMed PMID: 30018119.

8: Wheless JW, Gienapp AJ, Ryvlin P. Vagus nerve stimulation (VNS) therapy update. *Epilepsy Behav*. 2018 Jul 12. pii: S1525-5050(18)30487-6. doi: 10.1016/j.yebeh.2018.06.032. [Epub ahead of print] Review. PubMed PMID: 30017839.

9: Goyal N, Tsivgoulis G, Frei D, Turk A, Baxter B, Froehler MT, Mocco J, Ishfaq MF, Malhotra K, Chang JJ, Hoit D, Elijovich L, Loy D, Turner RD, Mascitelli J, Espaillet 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.

10: Venable GT, Roberts ML, Lee RP, Michael LM 2nd. Primary Dural Closure for Retrosigmoid Approaches. *J Neurol Surg B Skull Base*. 2018 Aug;79(4):330-334. doi: 10.1055/s-0037-1607455. Epub 2017 Nov 10. PubMed PMID: 30009112; PubMed Central PMCID: PMC6043179.

11: Goyal N, Tsivgoulis G, Chang JJ, Malhotra K, Pandhi A, Ishfaq MF, Alsbroom D, Arthur AS, Elijovich L, Alexandrov AV. Admission Neutrophil-to-Lymphocyte Ratio as a Prognostic Biomarker of Outcomes in Large Vessel Occlusion Strokes. *Stroke*. 2018 Jul 12. pii: STROKEAHA.118.021477. doi: 10.1161/STROKEAHA.118.021477. [Epub ahead of print] PubMed PMID: 30002151.

12: Tsivgoulis G, Geisler F, Katsanos AH, Kőrv J, Kunz A, Mikulik R, Rozanski M, Wendt M, Audebert HJ. Ultraearly Intravenous Thrombolysis for Acute Ischemic Stroke in Mobile Stroke Unit and Hospital Settings: A Comparative Analysis. *Stroke*. 2018 Jul 9. pii: STROKEAHA.118.021536. doi: 10.1161/STROKEAHA.118.021536. [Epub ahead of print] PubMed PMID: 29986934.

13: 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 Jr. The Preventable Shunt Revision Rate: A Multicenter Evaluation. *Neurosurgery*. 2018 Jul 6. doi: 10.1093/neuros/nyy263. [Epub ahead of print] PubMed PMID: 29982642.

14: Goldstein AM, Blair AB, Keswani SG, Gosain A, Morowitz M, Kuo J, Levine M, Ahuja N, Hackam DJ; Basic Science Committee of the Society of University Surgeons. A Roadmap for Aspiring Surgeon-Scientists in Today's Healthcare Environment. *Ann Surg*. 2018 Jun 28. doi: 10.1097/SLA.0000000000002840. [Epub ahead of print] PubMed PMID: 29958227.

15: Ozawa T, Arora S, Szulzewsky F, Juric-Sekhar G, Miyajima Y, Bolouri H, Yasui Y, Barber J, Kupp R, Dalton J, Jones TS, Nakada M, Kumabe T, Ellison DW, Gilbertson RJ, Holland EC. A De Novo Mouse Model of C11orf95-RELA Fusion-Driven Ependymoma Identifies Driver Functions in Addition to NF-κB. *Cell Rep*. 2018 Jun 26;23(13):3787-3797. doi: 10.1016/j.celrep.2018.04.099. PubMed PMID: 29949764.

16: Davidson KE, Newell J, Alsherbini K, Krushinski J, Jones GM. Safety and Efficiency of Intravenous Push Lacosamide Administration. *Neurocrit Care*. 2018 Jun 11. doi: 10.1007/s12028-018-0560-6. [Epub ahead of print] PubMed PMID: 29949010.

17: Lillard JC, Venable GT, Khan NR, Tatevossian RG, Dalton J, Vaughn BN, Klimo P Jr. Pediatric Supratentorial Ependymoma: Surgical, Clinical, and Molecular Analysis. *Neurosurgery*. 2018 Jun 16. doi: 10.1093/neuros/nyy239. [Epub ahead of print] PubMed PMID: 29917116.

18: Goyal N, Malhotra K, Ishfaq MF, Tsivgoulis G, Nickele C, Hoit D, Arthur AS, Alexandrov AV, Eljovich L. Current evidence for anesthesia management during endovascular stroke therapy: updated systematic review and meta-analysis. *J Neurointerv Surg*. 2018 Jun 15. pii: neurintsurg-2018-013916. doi: 10.1136/neurintsurg-2018-013916. [Epub ahead of print] PubMed PMID: 29907575.

19: Catsman-Berrevoets C, Patay Z. Cerebellar mutism syndrome. *Handb Clin Neurol*. 2018;155:273-288. doi: 10.1016/B978-0-444-64189-2.00018-4. Review. PubMed PMID: 29891065.

20: Gröbner SN, Worst BC, Weischenfeldt J, Buchhalter I, Kleinheinz K, Rudneva VA, Johann PD, Balasubramanian GP, Segura-Wang M, Brabetz S, Bender S, Hutter B, Sturm D, Pfaff E, Hübschmann D, Zipprich G, Heinold M, Eils J, Lawerenz C, Erkek S, Lambo S, Waszak S, Blattmann C, Borkhardt A, Kuhlen M, Eggert A, Fulda S, Gessler M, Wegert J, Kappler R, Baumhoer D, Burdach S, Kirschner-Schwabe R, Kontny U, Kulozik AE, Lohmann D, Hettmer S, Eckert C, Bielack S, Nathrath M, Niemeyer C, Richter GH, Schulte J, Siebert R, Westermann F, Molenaar JJ, Vassal G, Witt H, Burkhardt B, Kratz CP, Witt O, van Tilburg CM, Kramm CM, Fleischhack G, Dirksen U, Rutkowski S, Frühwald M, von Hoff K, Wolf S, Klingebiel T, Koscielniak E, Landgraf P, Koster J, Resnick AC, Zhang J, Liu Y, Zhou X, Waanders AJ, Zwijnenburg DA, Raman P, Brors B, Weber UD, Northcott PA, Pajtler KW, Kool M, Piro RM, Korbel JO, Schlesner M, Eils R, Jones DTW, Lichter P, Chavez L, Zapatka M, Pfister SM; ICGC PedBrainSeq Project; ICGC MMML-Seq Project. Author Correction: The landscape of genomic alterations across childhood cancers. *Nature*. 2018 Jul;559(7714):E10. doi: 10.1038/s41586-018-0167-2. PubMed PMID: 29875405.

- 21: Pojskić M, Zbytek B, Arnautović KI. Anterior Clinoid Metastasis Removed Extradurally: First Case Report. *J Neurol Surg Rep*. 2018 Apr;79(2):e55-e62. doi: 10.1055/s-0038-1655773. Epub 2018 May 31. PubMed PMID: 29868330; PubMed Central PMCID: PMC5980493.
- 22: Khan NR, Saad H, Oravec CS, Norrdahl SP, Fraser B, Wallace D, Lillard JC, Motiwala M, Nguyen VN, Lee SL, Jones AV, Ajmera S, Kalakoti P, Dave P, Moore KA, Akinduro O, Nyenwe E, Vaughn B, Michael LM, Klimo P Jr. An Analysis of Publication Productivity During Residency for 1506 Neurosurgical Residents and 117 Residency Departments in North America. *Neurosurgery*. 2018 May 30. doi: 10.1093/neuros/nyy217. [Epub ahead of print] PubMed PMID: 29850872.
- 23: Pojskic M, Arnautovic KI. Microsurgical Resection of Spinal Cord Hemangioblastoma: 2-Dimensional Operative Video. *Oper Neurosurg (Hagerstown)*. 2018 May 18. doi: 10.1093/ons/opy123. [Epub ahead of print] PubMed PMID: 29788139.
- 24: Robinson GW, Rudneva VA, Buchhalter I, Billups CA, Waszak SM, Smith KS, Bowers DC, Bendel A, Fisher PG, Partap S, Crawford JR, Hassall T, Indelicato DJ, Boop F, Klimo P, Sabin ND, Patay Z, Merchant TE, Stewart CF, Orr BA, Korbel JO, Jones DTW, Sharma T, Lichter P, Kool M, Korshunov A, Pfister SM, Gilbertson RJ, Sanders RP, Onar-Thomas A, Ellison DW, Gajjar A, Northcott PA. Risk-adapted therapy for young children with medulloblastoma (SJYC07): therapeutic and molecular outcomes from a multicentre, phase 2 trial. *Lancet Oncol*. 2018 Jun;19(6):768-784. doi: 10.1016/S1470-2045(18)30204-3. Epub 2018 May 16. PubMed PMID: 29778738; PubMed Central PMCID: PMC6078206.
- 25: Pandhi A, Tsivgoulis G, Goyal N, Ishfaq MF, Male S, Boviatsis E, Chang JJ, Zand R, Voumvourakis K, Elijevich L, Alexandrov AW, Malkoff MD, Hoit D, Arthur AS, Alexandrov AV. Hemicraniectomy for Malignant Middle Cerebral Artery Syndrome: A Review of Functional Outcomes in Two High-Volume Stroke Centers. *J Stroke Cerebrovasc Dis*. 2018 Sep;27(9):2405-2410. doi: 10.1016/j.jstrokecerebrovasdis.2018.04.031. PubMed PMID: 29776804.
- 26: Patel P, Wallace D, Boop FA, Vaughn B, Robinson GW, Gajjar A, Klimo P Jr. Reoperation for Medulloblastoma Prior to Adjuvant Therapy. *Neurosurgery*. 2018 Apr 11. doi: 10.1093/neuros/nyy095. [Epub ahead of print] PubMed PMID: 29660028.
- 27: Burgess LG, Goyal N, Jones GM, Khorchid Y, Kerro A, Chapple K, Tsivgoulis G, Alexandrov AV, Chang JJ. Evaluation of Acute Kidney Injury and Mortality After Intensive Blood Pressure Control in Patients With Intracerebral Hemorrhage. *J Am Heart Assoc*. 2018 Apr 13;7(8). pii: e008439. doi: 10.1161/JAHA.117.008439. PubMed PMID: 29654207; PubMed Central PMCID: PMC6015439.
- 28: Goyal N, Tsivgoulis G, Malhotra K, Houck AL, Khorchid YM, Pandhi A, Inoa V, Alsherbini K, Alexandrov AV, Arthur AS, Elijevich L, Chang JJ. Serum Magnesium Levels and Outcomes in Patients With Acute Spontaneous Intracerebral Hemorrhage. *J Am Heart Assoc*. 2018 Apr 13;7(8). pii: e008698. doi: 10.1161/JAHA.118.008698. PubMed PMID: 29654197; PubMed Central PMCID: PMC6015418.
- 29: Alexandrov AW, Tsivgoulis G, Hill MD, Liebeskind DS, Schellinger P, Ovbiagele B, Arthur AS, Caso V, Nogueira RG, Hemphill JC 3rd, Grotta JC, Hacke W, Alexandrov AV. HeadPoST: Rightly positioned, or flat out wrong? *Neurology*. 2018 May 8;90(19):885-889. doi: 10.1212/WNL.0000000000005481. Epub 2018 Apr 11. Review. PubMed PMID: 29643083.
- 30: Pojskic M, Arnautovic KI. Microsurgical Resection of Medulla Oblongata Hemangioblastoma: 2-Dimensional Operative Video. *Oper Neurosurg (Hagerstown)*. 2018 Apr 6. doi: 10.1093/ons/opy074. [Epub ahead of print] PubMed PMID: 29635302.
- 31: McClain KL, Picarsic J, Chakraborty R, Zinn D, Lin H, Abhyankar H, Scull B, Shih A, Lim KPH,

Eckstein O, Lubega J, Peters TL, Olea W, Burke T, Ahmed N, Hicks MJ, Tran B, Jones J, Dauser R, Jeng M, Baiocchi R, Schiff D, Goldman S, Heym KM, Wilson H, Carcamo B, Kumar A, Rodriguez-Galindo C, Whipple NS, Campbell P, Murdoch G, Kofler J, Heales S, Malone M, Woltjer R, Quinn JF, Orchard P, Kruer MC, Jaffe R, Manz MG, Lira SA, Parsons DW, Merad M, Man TK, Allen CE. CNS Langerhans cell histiocytosis: Common hematopoietic origin for LCH-associated neurodegeneration and mass lesions. *Cancer*. 2018 Jun 15;124(12):2607-2620. doi: 10.1002/cncr.31348. Epub 2018 Apr 6. PubMed PMID: 29624648.

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

33: Khan NR, DeCuypere M, Vaughn BN, Klimo P Jr. Image Guidance for Ventricular Shunt Surgery: An Analysis of Ventricular Size and Proximal Revision Rates. *Neurosurgery*. 2018 Apr 3. doi: 10.1093/neuros/nyy074. [Epub ahead of print] PubMed PMID: 29618071.

34: Oravec CS, Motiwala M, Reed K, Kondziolka D, Barker FG 2nd, Michael LM 2nd, Klimo P Jr. In Reply: Big Data Research in Neurosurgery: A Critical Look at this Popular New Study Design. *Neurosurgery*. 2018 Jun 1;82(6):E188-E189. doi: 10.1093/neuros/nyy102. PubMed PMID: 29618065.

35: Mullins J, Pojskić M, Boop FA, Arnautović KI. Retrospective single-surgeon study of 1123 consecutive cases of anterior cervical discectomy and fusion: a comparison of clinical outcome parameters, complication rates, and costs between outpatient and inpatient surgery groups, with a literature review. *J Neurosurg Spine*. 2018 Jun;28(6):630-641. doi: 10.3171/2017.10.SPINE17938. Epub 2018 Mar 30. PubMed PMID: 29600910.

36: Domenyuk V, Gatalica Z, Santhanam R, Wei X, Stark A, Kennedy P, Toussaint B, Levenberg S, Wang J, Xiao N, Greil R, Rinnerthaler G, Gampenrieder SP, Heimberger AB, Berry DA, Barker A, Quackenbush J, Marshall JL, Poste G, Vacirca JL, Vidal GA, Schwartzberg LS, Halbert DD, Voss A, Magee D, Miglarese MR, Famulok M, Mayer G, Spetzler D. Poly-ligand profiling differentiates trastuzumab-treated breast cancer patients according to their outcomes. *Nat Commun*. 2018 Mar 23;9(1):1219. doi: 10.1038/s41467-018-03631-z. PubMed PMID: 29572535; PubMed Central PMCID: PMC5865185.

37: Lee RP, Xu R, Dave P, Ajmera S, Lillard JC, Wallace D, Broussard A, Motiwala M, Norrdahl S, Howie C, Akinduro O, Venable GT, Khan NR, Taylor DR, Vaughn BN, Klimo P Jr. Taking the next step in publication productivity analysis in pediatric neurosurgery. *J Neurosurg Pediatr*. 2018 Jun;21(6):655-665. doi: 10.3171/2018.1.PEDS17535. Epub 2018 Mar 23. PubMed PMID: 29570033.

38: Goyal N, Tsivgoulis G, Frei D, Turk A, Baxter B, Froehler MT, Mocco J, Pandhi A, Zand R, Malhotra K, Hoit D, Eljovich L, Loy D, Turner RD, Mascitelli J, Espaillat K, Katsanos AH, Alexandrov AW, Alexandrov AV, Arthur AS. Comparative safety and efficacy of combined IVT and MT with direct MT in large vessel occlusion. *Neurology*. 2018 Apr 10;90(15):e1274-e1282. doi: 10.1212/WNL.00000000000005299. Epub 2018 Mar 16. PubMed PMID: 29549221.

39: Nyangau A, Khan N, Teo M. Improper Use of Case Control Study in Neurosurgery: How Do We Improve? *World Neurosurg*. 2018 Jun;114:371-372. doi: 10.1016/j.wneu.2018.03.014. Epub 2018 Mar 12. PubMed PMID: 29545221.

40: Baughman BC, Tsao JW. Abandoning a sport you love after concussion: Calling it quits. *Neurol Clin*

Pract. 2018 Feb;8(1):6-7. doi: 10.1212/CPJ.0000000000000413. PubMed PMID: 29517057; PubMed Central PMCID: PMC5839678.

41: Hamideh D, Hoehn ME, Harreld JH, Klimo PD, Gajjar A, Qaddoumi I. Isolated Optic Nerve Glioma in Children With and Without Neurofibromatosis: Retrospective Characterization and Analysis of Outcomes. *J Child Neurol*. 2018 May;33(6):375-382. doi: 10.1177/0883073818758737. Epub 2018 Mar 5. PubMed PMID: 29502465.

42: Gröbner SN, Worst BC, Weischenfeldt J, Buchhalter I, Kleinheinz K, Rudneva VA, Johann PD, Balasubramanian GP, Segura-Wang M, Brabetz S, Bender S, Hutter B, Sturm D, Pfaff E, Hübschmann D, Zipprich G, Heinold M, Eils J, Lawerenz C, Erkek S, Lambo S, Waszak S, Blattmann C, Borkhardt A, Kuhlen M, Eggert A, Fulda S, Gessler M, Wegert J, Kappler R, Baumhoer D, Burdach S, Kirschner-Schwabe R, Kontny U, Kulozik AE, Lohmann D, Hettmer S, Eckert C, Bielack S, Nathrath M, Niemeyer C, Richter GH, Schulte J, Siebert R, Westermann F, Molenaar JJ, Vassal G, Witt H; ICGC PedBrain-Seq Project; ICGC MMML-Seq Project, Burkhardt B, Kratz CP, Witt O, van Tilburg CM, Kramm CM, Fleischhack G, Dirksen U, Rutkowski S, Frühwald M, von Hoff K, Wolf S, Klingebiel T, Koscielniak E, Landgraf P, Koster J, Resnick AC, Zhang J, Liu Y, Zhou X, Waanders AJ, Zwijnenburg DA, Raman P, Brors B, Weber UD, Northcott PA, Pajtler KW, Kool M, Piro RM, Korbel JO, Schlesner M, Eils R, Jones DTW, Lichter P, Chavez L, Zapatka M, Pfister SM. The landscape of genomic alterations across childhood cancers. *Nature*. 2018 Mar 15;555(7696):321-327. doi: 10.1038/nature25480. Epub 2018 Feb 28. Erratum in: *Nature*. 2018 Jul;559(7714):E10. PubMed PMID: 29489754.

43: Allen BB, Forgacs PB, Fakhar MA, Wu X, Gerber LM, Boddu S, Murthy SB, Stieg PE, Mangat HS. Association of Seizure Occurrence with Aneurysm Treatment Modality in Aneurysmal Subarachnoid Hemorrhage Patients. *Neurocrit Care*. 2018 Aug;29(1):62-68. doi: 10.1007/s12028-018-0506-z. PubMed PMID: 29484583; PubMed Central PMCID: PMC6152813.

44: Khan NR, Saad H, Oravec CS, Rossi N, Nguyen V, Venable GT, Lillard JC, Patel P, Taylor DR, Vaughn BN, Kondziolka D, Barker FG 2nd, Michael LM 2nd, Klimo P Jr. A Review of Industry Funding in Randomized Controlled Trials Published in the Neurosurgical Literature-The Elephant in the Room. *Neurosurgery*. 2018 Feb 15. doi: 10.1093/neuros/nyx624. [Epub ahead of print] PubMed PMID: 29462484.

45: 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.

46: Attenello FJ, Buchanan IA, Wen T, Donoho DA, McCartney S, Cen SY, Khalessi AA, Cohen-Gadol AA, Cheng JS, Mack WJ, Schirmer CM, Swartz KR, Prall JA, Stroink AR, Giannotta SL, Klimo P Jr. Factors associated with burnout among US neurosurgery residents: a nationwide survey. *J Neurosurg*. 2018 Feb 9:1-15. doi: 10.3171/2017.9.JNS17996. [Epub ahead of print] PubMed PMID: 29424650.

47: Carpenter RD, Klosterhoff BS, Torstrick FB, Foley KT, Burkus JK, Lee CSD, Gall K, Guldberg RE, Safranski DL. Effect of porous orthopaedic implant material and structure on load sharing with simulated bone ingrowth: A finite element analysis comparing titanium and PEEK. *J Mech Behav Biomed Mater*. 2018 Apr;80:68-76. doi: 10.1016/j.jmbbm.2018.01.017. PubMed PMID: 29414477.

48: Pojskić M, Arnautović KI. Microsurgical Resection of Tuberculum Sellae Meningioma through Left Cranio-orbital Approach. *J Neurol Surg B Skull Base*. 2018 Feb;79(2):S223-S224. doi: 10.1055/s-0037-1620240. Epub 2018 Jan 16. PubMed PMID: 29404261; PubMed Central PMCID: PMC5797315.

49: Upadhyaya SA, Robinson GW, Harreld JH, Klimo PD Jr, Hoehn ME, Orr BA, Qaddoumi IA. Marked functional recovery and imaging response of refractory optic pathway glioma to BRAFV600E inhibitor therapy: a report of two cases. *Childs Nerv Syst*. 2018 Apr;34(4):605-610. doi: 10.1007/s00381-018-3739-4. Epub 2018 Feb 1. PubMed PMID: 29392423; PubMed Central PMCID: PMC5857244.

50: Torstrick FB, Klosterhoff BS, Westerlund LE, Foley KT, Gochuico J, Lee CSD, Gall K, Safranski DL. Impaction durability of porous polyether-ether-ketone (PEEK) and titanium-coated PEEK interbody fusion devices. *Spine J*. 2018 May;18(5):857-865. doi: 10.1016/j.spinee.2018.01.003. Epub 2018 Jan 31. PubMed PMID: 29366985.

51: Yang CH, Wang Y, Sims M, Cai C, He P, Häcker H, Yue J, Cheng J, Boop FA, Pfeffer LM. MicroRNA203a suppresses glioma tumorigenesis through an ATM-dependent interferon response pathway. *Oncotarget*. 2017 Dec 6;8(68):112980-112991. doi: 10.18632/oncotarget.22945. eCollection 2017 Dec 22. PubMed PMID: 29348882; PubMed Central PMCID: PMC5762567.

52: Tsivgoulis G, Katsanos AH, Giannopoulos G, Panagopoulou V, Jatuzis D, Lemmens R, Deftereos S, Kelly PJ. The Role of Colchicine in the Prevention of Cerebrovascular Ischemia. *Curr Pharm Des*. 2018;24(6):668-674. doi: 10.2174/1381612824666180116100310. PubMed PMID: 29336246.

53: Goyal N, Tsivgoulis G, Pandhi A, Dillard K, Alsbrook D, Chang JJ, Krishnaiah B, Nickle C, Hoit D, Alsherbini K, Alexandrov AV, Arthur AS, Elijovich L. Blood pressure levels post mechanical thrombectomy and outcomes in non-recanalized large vessel occlusion patients. *J Neurointerv Surg*. 2018 Oct;10(10):925-931. doi: 10.1136/neurintsurg-2017-013581. Epub 2018 Jan 11. PubMed PMID: 29326379.

54: Choudhri AF, Cohen HL, Siddiqui A, Pande V, Blitz AM. Twenty-Five Diagnoses on Midline Images of the Brain: From Fetus to Child to Adult. *Radiographics*. 2018 Jan-Feb;38(1):218-235. doi: 10.1148/rg.2018170019. Review. PubMed PMID: 29320328.

55: Li JJ, Wang B, Kodali MC, Chen C, Kim E, Patters BJ, Lan L, Kumar S, Wang X, Yue J, Liao FF. In vivo evidence for the contribution of peripheral circulating inflammatory exosomes to neuroinflammation. *J Neuroinflammation*. 2018 Jan 8;15(1):8. doi: 10.1186/s12974-017-1038-8. PubMed PMID: 29310666; PubMed Central PMCID: PMC5759808.

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

57: 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.

58: Pandhi A, Tsivgoulis G, Krishnan R, Ishfaq MF, Singh S, Hoit D, Arthur AS, Nickle C, Alexandrov A, Elijovich L, Goyal N. Antiplatelet pretreatment and outcomes following mechanical thrombectomy for emergent large vessel occlusion strokes. *J Neurointerv Surg*. 2018 Sep;10(9):828-833. doi: 10.1136/neurintsurg-2017-013532. Epub 2017 Dec 19. PubMed PMID: 29259123.

- 59: Zafar A, Ikram A, Jillella DV, Kempuraj D, Khan MM, Bushnaq S, Adam H, Ortega-Gutierrez S, Quadri SA, Farooqui M, Zaheer A, Leira EC. Measurement of Elevated IL-37 Levels in Acute Ischemic Brain Injury: A Cross-sectional Pilot Study. *Cureus*. 2017 Oct 11;9(10):e1767. doi: 10.7759/cureus.1767. PubMed PMID: 29234571; PubMed Central PMCID: PMC5724808.
- 60: Tsang DS, Burghen E, Klimo P Jr, Boop FA, Ellison DW, Merchant TE. Outcomes After Reirradiation for Recurrent Pediatric Intracranial Ependymoma. *Int J Radiat Oncol Biol Phys*. 2018 Feb 1;100(2):507-515. doi: 10.1016/j.ijrobp.2017.10.002. Epub 2017 Oct 13. PubMed PMID: 29229328.
- 61: Khan NR, Patel PG, Sharpe JP, Lee SL, Sorenson J. Chemical venous thromboembolism prophylaxis in neurosurgical patients: an updated systematic review and meta-analysis. *J Neurosurg*. 2018 Oct;129(4):906-915. doi: 10.3171/2017.2.JNS162040. Epub 2017 Dec 1. PubMed PMID: 29192859.
- 62: Boop FA. The 2017 AANS Presidential Address. A world of innovation. *J Neurosurg*. 2017 Dec;127(6):1203-1212. doi: 10.3171/2017.7.JNS171329. PubMed PMID: 29191125.
- 63: Abramo TJ, McKinney S, Moore J, Jacobs R, Albert G, Meredith M, Porter NH, Storm E, Willis E, Gonzalez CV, Hargrave H, Schneider B, Sharp G. Hemispheric Cerebral Oximetry Monitoring During Pediatric Seizure Activity in a Pediatric Emergency Department. *Pediatr Emerg Care*. 2017 Nov 15. doi: 10.1097/PEC.0000000000001354. [Epub ahead of print] PubMed PMID: 29140931.
- 64: Expert Panel on Neurologic Imaging:, Kessler MM, Moussa M, Bykowski J, Kirsch CFE, Aulino JM, Berger KL, Choudhri AF, Fife TD, Germano IM, Kendi AT, Kim JH, Luttrull MD, Nunez D Jr, Shah LM, Sharma A, Shetty VS, Symko SC, Cornelius RS. ACR Appropriateness Criteria(®) Tinnitus. *J Am Coll Radiol*. 2017 Nov;14(11S):S584-S591. doi: 10.1016/j.jacr.2017.08.052. PubMed PMID: 29101995.
- 65: Lee RP, Venable GT, Vaughn BN, Lillard JC, Oravec CS, Klimo P Jr. The Impact of a Pediatric Shunt Surgery Checklist on Infection Rate at a Single Institution. *Neurosurgery*. 2018 Sep 1;83(3):508-520. doi: 10.1093/neuros/nyx478. PubMed PMID: 29048591.
- 66: Muzević D, Splavski B, Boop FA, Arnautović KI. Anterior Cervical Discectomy with Instrumented Allograft Fusion: Lordosis Restoration and Comparison of Functional Outcomes among Patients of Different Age Groups. *World Neurosurg*. 2018 Jan;109:e233-e243. doi: 10.1016/j.wneu.2017.09.146. Epub 2017 Oct 3. PubMed PMID: 28986227.
- 67: Smalley ZS, Venable GT, Klimo P Jr. In Reply: Low-Pressure Hydrocephalus in Children: A Case Series and Review of the Literature. *Neurosurgery*. 2017 Nov 1;81(5):E67. doi: 10.1093/neuros/nyx333. PubMed PMID: 28973519.
- 68: Oravec CS, Motiwala M, Reed K, Kondziolka D, Barker FG 2nd, Michael LM 2nd, Klimo P Jr. Big Data Research in Neurosurgery: A Critical Look at this Popular New Study Design. *Neurosurgery*. 2018 May 1;82(5):728-746. doi: 10.1093/neuros/nyx328. PubMed PMID: 28973512.
- 69: Ragel BT, Mendez GA, Reddington J, Ferachi D, Kubicky CD, Philipp TC, Zusman NL, Klimo P, Hart R, Yoo J, Ching AC. Life Expectancy and Metastatic Spine Scoring Systems: An Academic Institutional Experience. *Clin Spine Surg*. 2017 Oct;30(8):335-342. doi: 10.1097/BSD.000000000000154. PubMed PMID: 28937454.
- 70: Patel PG, Cohen-Gadol AA, Mercier P, Boop FA, Klimo P Jr. The Posterior Transcallosal Approach to the Pineal Region and Posterior Third Ventricle: Intervinous and Paravenous Variants. *Oper Neurosurg (Hagerstown)*. 2017 Feb 1;13(1):77-88. doi: 10.1227/NEU.0000000000001268. Erratum in: *Oper Neurosurg (Hagerstown)*. 2016 Dec 1;12(4):396. PubMed PMID: 28931256.

71: Chang JJ, Kim-Tenser M, Emanuel BA, Jones GM, Chapple K, Alikhani A, Sanossian N, Mack WJ, Tsivgoulis G, Alexandrov AV, Pourmotabbed T. Minocycline and matrix metalloproteinase inhibition in acute intracerebral hemorrhage: a pilot study. *Eur J Neurol*. 2017 Nov;24(11):1384-1391. doi: 10.1111/ene.13403. Epub 2017 Sep 20. PubMed PMID: 28929560.

72: Khan NR, Nguyen V, Michael LM Nd. The role of endoscopy in anterior skull base surgery. *J Neurosurg Sci*. 2018 Feb;62(1):1-3. doi: 10.23736/S0390-5616.17.04202-3. Epub 2017 Sep 8. PubMed PMID: 28895661.

73: Jones J Jr, Southerland W, Catalani B. The Importance of Optimizing Acute Pain in the Orthopedic Trauma Patient. *Orthop Clin North Am*. 2017 Oct;48(4):445-465. doi: 10.1016/j.ocl.2017.06.003. Review. PubMed PMID: 28870305.

74: Giurintano JP, Somerville J, Sebelik M, Hoit D, Michael LM 3rd, Shires CB. Endovascular Extraction of a Needle from the Internal Carotid Artery: A Novel Approach to a Controversial Dental Misadventure. *J Neurol Surg Rep*. 2017 Jul;78(3):e106-e108. doi: 10.1055/s-0037-1604282. Epub 2017 Aug 23. PubMed PMID: 28845380; PubMed Central PMCID: PMC5568860.

75: Smetana KS, Roe NA, Doepker BA, Jones GM. Review of Continuous Infusion Neuromuscular Blocking Agents in the Adult Intensive Care Unit. *Crit Care Nurs Q*. 2017 Oct/Dec;40(4):323-343. doi: 10.1097/CNQ.0000000000000171. Review. PubMed PMID: 28834856.

76: Jones GM. Foreword. *Crit Care Nurs Q*. 2017 Oct/Dec;40(4):307-308. doi: 10.1097/CNQ.0000000000000169. PubMed PMID: 28834854.

77: Gururangan S, Reap E, Schmittling R, Kocak M, Reynolds R, Grant G, Onar-Thomas A, Baxter P, Pollack IF, Phillips P, Boyett J, Fouladi M, Mitchell D. Regulatory T cell subsets in patients with medulloblastoma at diagnosis and during standard irradiation and chemotherapy (PBTC N-11). *Cancer Immunol Immunother*. 2017 Dec;66(12):1589-1595. doi: 10.1007/s00262-017-2051-6. Epub 2017 Aug 20. PubMed PMID: 28825123; PubMed Central PMCID: PMC5677543.

78: Arthur A, Hoit D, Coon A, Delgado Almandoz JE, Elijovich L, Cekirge S, Fiorella D; WEB-IT Study Investigators. Physician training protocol within the WEB Intracapsular Therapy (WEB-IT) study. *J Neurointerv Surg*. 2018 May;10(5):500-504. doi: 10.1136/neurintsurg-2017-013310. Epub 2017 Aug 16. PubMed PMID: 28814528.

79: Pershad J, Taylor A, Hall MK, Klimo P Jr. Imaging Strategies for Suspected Acute Cranial Shunt Failure: A Cost-Effectiveness Analysis. *Pediatrics*. 2017 Aug;140(2). pii: e20164263. doi: 10.1542/peds.2016-4263. Epub 2017 Jul 11. Erratum in: *Pediatrics*. 2017 Nov;140(5):null. PubMed PMID: 28771407.

80: Shahjouei S, Bavarsad-Shahripour R, Assarzaghegan F, Rikhtegar R, Mehrpour M, Zamani B, Tsivgoulis G, Alexandrov A, Alexandrov A, Zand R. Acute management of stroke in Iran: Obstacles and solutions. *Iran J Neurol*. 2017 Apr 4;16(2):62-71. PubMed PMID: 28761627; PubMed Central PMCID: PMC5526779.

81: Clark AJ, Safaee MM, Khan NR, Brown MT, Foley KT. Tubular microdissection: techniques, complication avoidance, and review of the literature. *Neurosurg Focus*. 2017 Aug;43(2):E7. doi: 10.3171/2017.5.FOCUS17202. Review. PubMed PMID: 28760036.

82: Du Z, Cai C, Sims M, Boop FA, Davidoff AM, Pfeffer LM. The effects of type I interferon on

glioblastoma cancer stem cells. *Biochem Biophys Res Commun*. 2017 Sep 16;491(2):343-348. doi: 10.1016/j.bbrc.2017.07.098. Epub 2017 Jul 18. PubMed PMID: 28728846.

83: Northcott PA, Buchhalter I, Morrissy AS, Hovestadt V, Weischenfeldt J, Ehrenberger T, Gröbner S, Segura-Wang M, Zichner T, Rudneva VA, Warnatz HJ, Sidiropoulos N, Phillips AH, Schumacher S, Kleinheinz K, Waszak SM, Erkek S, Jones DTW, Worst BC, Kool M, Zapatka M, Jäger N, Chavez L, Hutter B, Bieg M, Paramasivam N, Heinold M, Gu Z, Ishaque N, Jäger-Schmidt C, Imbusch CD, Jugold A, Hübschmann D, Risch T, Amstislavskiy V, Gonzalez FGR, Weber UD, Wolf S, Robinson GW, Zhou X, Wu G, Finkelstein D, Liu Y, Cavalli FMG, Luu B, Ramaswamy V, Wu X, Koster J, Ryzhova M, Cho YJ, Pomeroy SL, Herold-Mende C, Schuhmann M, Ebinger M, Liao LM, Mora J, McLendon RE, Jabado N, Kumabe T, Chuah E, Ma Y, Moore RA, Mungall AJ, Mungall KL, Thiessen N, Tse K, Wong T, Jones SJM, Witt O, Milde T, Von Deimling A, Capper D, Korshunov A, Yaspo ML, Kriwacki R, Gajjar A, Zhang J, Beroukhi R, Fraenkel E, Korbel JO, Brors B, Schlesner M, Eils R, Marra MA, Pfister SM, Taylor MD, Lichter P. The whole-genome landscape of medulloblastoma subtypes. *Nature*. 2017 Jul 19;547(7663):311-317. doi: 10.1038/nature22973. PubMed PMID: 28726821; PubMed Central PMCID: PMC5905700.

84: Papanicolaou AC, Rezaie R, Narayana S, Choudhri AF, Abbas-Babajani-Feremi, Boop FA, Wheless JW. On the relative merits of invasive and non-invasive pre-surgical brain mapping: New tools in ablative epilepsy surgery. *Epilepsy Res*. 2018 May;142:153-155. doi: 10.1016/j.eplesyres.2017.07.002. Epub 2017 Jul 3. PubMed PMID: 28716297.

85: Surendran S, Waller BR, Elijovich L, Agrawal V, Kuhls-Gilcrist A, Johnson J, Fagan T, Sathanandam SK. Use of 3-D digital subtraction rotational angiography during cardiac catheterization of infants and adults with congenital heart diseases. *Catheter Cardiovasc Interv*. 2017 Oct 1;90(4):618-625. doi: 10.1002/ccd.27180. Epub 2017 Jul 14. PubMed PMID: 28707365.

86: Goyal N, Tsivgoulis G, Pandhi A, Chang JJ, Dillard K, Ishfaq MF, Nearing K, Choudhri AF, Hoit D, Alexandrov AW, Arthur AS, Elijovich L, Alexandrov AV. Blood pressure levels post mechanical thrombectomy and outcomes in large vessel occlusion strokes. *Neurology*. 2017 Aug 8;89(6):540-547. doi: 10.1212/WNL.0000000000004184. Epub 2017 Jul 7. PubMed PMID: 28687721.

87: Lee RP, Foster KA, Lillard JC, Klimo P Jr, Ellison DW, Orr B, Boop FA. Surgical and molecular considerations in the treatment of pediatric thalamopeduncular tumors. *J Neurosurg Pediatr*. 2017 Sep;20(3):247-255. doi: 10.3171/2017.4.PEDS16668. Epub 2017 Jul 7. PubMed PMID: 28686121; PubMed Central PMCID: PMC5839469.

88: Foley R, Boop F. Tractography guides the approach for resection of thalamopeduncular tumors. *Acta Neurochir (Wien)*. 2017 Sep;159(9):1597-1601. doi: 10.1007/s00701-017-3257-2. Epub 2017 Jul 3. PubMed PMID: 28674731.

89: Ewings EL, Konofaos P, Wallace RD. Variations in Current Procedural Terminology Coding for Craniofacial Surgery: A Need for Review and Change. *J Craniofac Surg*. 2017 Jul;28(5):1224-1228. doi: 10.1097/SCS.0000000000003667. PubMed PMID: 28665842.

90: 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.

- 91: Wakefield DV, Venable GT, VanderWalde NA, Michael LM 2nd, Sorenson JM, Robertson JH, Cunningham D, Ballo MT. Comparative Neurologic Outcomes of Salvage and Definitive Gamma Knife Radiosurgery for Glomus Jugulare: A 20-Year Experience. *J Neurol Surg B Skull Base*. 2017 Jun;78(3):251-255. doi: 10.1055/s-0036-1597986. Epub 2017 Jan 23. PubMed PMID: 28593112; PubMed Central PMCID: PMC5461161.
- 92: Khan NR, Fraser BD, Nguyen V, Moore K, Boop S, Vaughn BN, Klimo P Jr. Pediatric abusive head trauma and stroke. *J Neurosurg Pediatr*. 2017 Aug;20(2):183-190. doi: 10.3171/2017.4.PEDS16650. Epub 2017 Jun 2. PubMed PMID: 28574318.
- 93: Arthur AS, Taussky P, Park MS, Stiefel MF, Rosenwasser RH. Introduction. The treatment of cerebral aneurysms: flow diversion and beyond. *Neurosurg Focus*. 2017 Jun;42(6):E1. doi: 10.3171/2017.3.FOCUS17174. PubMed PMID: 28565982.
- 94: Pojskić M, Zbytek B, Beckford NS, Boop FA, Arnautović KI. First Report of Coexistence of Two Ectopic Pituitary Tumors: Rathke Cleft Cyst and Silent Adrenocorticotrophic Hormone Adenoma. *World Neurosurg*. 2017 Aug;104:1048.e1-1048.e7. doi: 10.1016/j.wneu.2017.05.070. Epub 2017 May 19. PubMed PMID: 28532906.
- 95: Leo MD, Zhai X, Muralidharan P, Kuruvilla KP, Bulley S, Boop FA, Jaggar JH. Membrane depolarization activates BK channels through ROCK-mediated β 1 subunit surface trafficking to limit vasoconstriction. *Sci Signal*. 2017 May 9;10(478). pii: eaah5417. doi: 10.1126/scisignal.aah5417. PubMed PMID: 28487419; PubMed Central PMCID: PMC5812274.
- 96: Expert Panel on Neurologic Imaging:, Bykowski J, Aulino JM, Berger KL, Cassidy RC, Choudhri AF, Kendi AT, Kirsch CFE, Luttrull MD, Sharma A, Shetty VS, Than K, Winfree CJ, Cornelius RS. ACR Appropriateness Criteria(®) Plexopathy. *J Am Coll Radiol*. 2017 May;14(5S):S225-S233. doi: 10.1016/j.jacr.2017.02.002. Review. PubMed PMID: 28473078.
- 97: Alabaster K, Fred Bugg M, Splavski B, Boop FA, Arnautovic KI. The suboccipital ligament. *J Neurosurg*. 2018 Jan;128(1):165-173. doi: 10.3171/2016.10.JNS162161. Epub 2017 Apr 14. PubMed PMID: 28409726.
- 98: Moore K, Khan NR, Michael LM, Arthur AS, Hoit D. Endovascular retrieval of dental needle retained in the internal carotid artery. *J Neurointerv Surg*. 2017 Jul;9(7):e26. doi: 10.1136/neurintsurg-2016-012771.rep. Epub 2017 Apr 12. PubMed PMID: 28404770.
- 99: Smalley ZS, Venable GT, Einhaus S, Klimo P Jr. Low-pressure Hydrocephalus in Children: A Case Series and Review of the Literature. *Neurosurgery*. 2017 Mar 1;80(3):439-447. doi: 10.1093/neuros/nyw046. Review. PubMed PMID: 28362957.
- 100: Tsivgoulis G, Katsanos AH, Mavridis D, Alexandrov AW, Magoufis G, Arthur A, Caso V, Schellinger PD, Alexandrov AV. Endovascular thrombectomy with or without systemic thrombolysis? *Ther Adv Neurol Disord*. 2017 Mar;10(3):151-160. doi: 10.1177/1756285616680549. Epub 2016 Dec 1. PubMed PMID: 28344654; PubMed Central PMCID: PMC5349372.
- 101: Gu AP, Gu CN, Ahmed AT, Murad MH, Wang Z, Kallmes DF, Brinjikji W. Sham surgical procedures for pain intervention result in significant improvements in pain: systematic-review and meta-analysis: Metaepidemiologic research requires reporting requirements. *J Clin Epidemiol*. 2017 Jul;87:108. doi: 10.1016/j.jclinepi.2017.03.006. Epub 2017 Mar 21. PubMed PMID: 28341365.

- 102: Khan NR, Klimo P Jr, Michael LM 2nd. Predicting Academic Career Placement: Neurosurgery's Quest for the Holy Grail. *World Neurosurg.* 2017 May;101:746-747. doi: 10.1016/j.wneu.2017.03.049. Epub 2017 Mar 21. PubMed PMID: 28336443.
- 103: Parikh KA, Venable GT, Orr BA, Choudhri AF, Boop FA, Gajjar AJ, Klimo P Jr. Pineoblastoma-The Experience at St. Jude Children's Research Hospital. *Neurosurgery.* 2017 Jul 1;81(1):120-128. doi: 10.1093/neuros/nyx005. PubMed PMID: 28327927.
- 104: Goyal N, Tsivgoulis G, Pandhi A, Dillard K, Katsanos AH, Magoufis G, Chang JJ, Zand R, Hoit D, Safouris A, Choudhri A, Alexandrov AW, Alexandrov AV, Arthur AS, Eljovich L. Admission hyperglycemia and outcomes in large vessel occlusion strokes treated with mechanical thrombectomy. *J Neurointerv Surg.* 2018 Feb;10(2):112-117. doi: 10.1136/neurintsurg-2017-012993. Epub 2017 Mar 13. PubMed PMID: 28289148.
- 105: Moore K, Khan NR, Michael LM, Arthur AS, Hoit D. Endovascular retrieval of dental needle retained in the internal carotid artery. *BMJ Case Rep.* 2017 Mar 8;2017. pii: bcr2016012771. doi: 10.1136/bcr-2016-012771. PubMed PMID: 28274944.
- 106: 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.
- 107: Badihian S, Bahrani S, Tabrizi N, Moein H, Zare M, Barekatain M, Basiratnia R, Rahimian E, Mehvari Habibabadi A, Moein P, Mehvari Habibabadi J. An Undiagnosed Case of Hypothalamic Hamartoma with a Rare Presentation. *Case Rep Med.* 2017;2017:2432315. doi: 10.1155/2017/2432315. Epub 2017 Jan 26. PubMed PMID: 28246530; PubMed Central PMCID: PMC5299200.
- 108: Arnautovic KI, Kovacevic M. CSF-Related Complications After Intradural Spinal Tumor Surgery: Utility of an Autologous Fat Graft. *Med Arch.* 2016 Dec;70(6):460-465. doi: 10.5455/medarh.2016.70.460-465. PubMed PMID: 28210022; PubMed Central PMCID: PMC5292229.
- 109: Toth JM, Foley KT, Wang M, Seim HB 3rd, Simon Turner A. Is lumbar facet fusion biomechanically equivalent to lumbar posterolateral onlay fusion? *J Neurosurg Spine.* 2017 May;26(5):586-593. doi: 10.3171/2016.10.SPINE16649. Epub 2017 Feb 3. PubMed PMID: 28156207.
- 110: 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.
- 111: Gu AP, Gu CN, Ahmed AT, Murad MH, Wang Z, Kallmes DF, Brinjikji W. Sham surgical procedures for pain intervention result in significant improvements in pain: systematic review and meta-analysis. *J Clin Epidemiol.* 2017 Mar;83:18-23. doi: 10.1016/j.jclinepi.2016.12.010. Epub 2017 Jan 4. Review. PubMed PMID: 28063914.
- 112: Khan NR, VanLandingham M, O'Brien T, Boop FA, Arnautović K. Primary Seeding of Myxopapillary Ependymoma: Different Disease in Adult Population? Case Report and Review of Literature. *World Neurosurg.* 2017 Mar;99:812.e21-812.e26. doi: 10.1016/j.wneu.2016.12.022. Epub 2016 Dec 29. Review. PubMed PMID: 28040529.

- 113: Tsivgoulis G, Goyal N, Mikulik R, Sharma VK, Katsanos AH, Zand R, Paliwal PR, Roussopoulou A, Volny O, Pandhi A, Zompola C, Eljovich L, Safouris A, Chang J, Alexandrov AV, Alexandrov AW. Eligibility for mechanical thrombectomy in acute ischemic stroke: A phase IV multi-center screening log registry. *J Neurol Sci.* 2016 Dec 15;371:96-99. doi: 10.1016/j.jns.2016.10.018. Epub 2016 Oct 12. PubMed PMID: 27871458.
- 114: Tsivgoulis G, Goyal N, Iftikhar S, Zand R, Chang JJ, Eljovich L, Alexandrov AW, Malkoff MD, Alexandrov AV. Sulfonylurea Pretreatment and In-Hospital Use Does Not Impact Acute Ischemic Strokes (AIS) Outcomes Following Intravenous Thrombolysis. *J Stroke Cerebrovasc Dis.* 2017 Apr;26(4):795-800. doi: 10.1016/j.jstrokecerebrovasdis.2016.10.019. Epub 2016 Nov 16. PubMed PMID: 27865697.
- 115: Frontera JA, Lewin JJ 3rd, Rabinstein AA, Aisiku IP, Alexandrov AW, Cook AM, Del Zoppo GJ, Kumar M, Peerschke EI, Stiefel MF, Teitelbaum JS, Wartenberg KE, Zerfoss CL. Guideline for Reversal of Antithrombotics in Intracranial Hemorrhage: Executive Summary. A Statement for Healthcare Professionals From the Neurocritical Care Society and the Society of Critical Care Medicine. *Crit Care Med.* 2016 Dec;44(12):2251-2257. PubMed PMID: 27858808.
- 116: Landi A, Innocenzi G, Grasso G, Meschini A, Fabbiano F, Castri P, Delfini R. Diagnostic potential of the diffusion tensor tractography with fractional anisotropy in the diagnosis and treatment of cervical spondylotic and posttraumatic myelopathy. *Surg Neurol Int.* 2016 Sep 22;7(Suppl 25):S705-S707. eCollection 2016. PubMed PMID: 27843690; PubMed Central PMCID: PMC5054632.
- 117: Zuo L, Garcia-Milian R, Guo X, Zhong C, Tan Y, Wang Z, Wang J, Wang X, Kang L, Lu L, Chen X, Li CR, Luo X. Replicated Risk Nicotinic Cholinergic Receptor Genes for Nicotine Dependence. *Genes (Basel).* 2016 Nov 7;7(11). pii: E95. PubMed PMID: 27827986; PubMed Central PMCID: PMC5126781.
- 118: Boop S, Axente M, Weatherford B, Klimo P Jr. Abusive head trauma: an epidemiological and cost analysis. *J Neurosurg Pediatr.* 2016 Nov;18(5):542-549. Epub 2016 Jul 12. PubMed PMID: 27402215.
- 119: Eljovich L, Choudhri AF, Arthur AS, Klimo P, Boop FA, Berenstein A. Retreatment of a choroidal vein of Galen malformation with embolization 42 years after open surgical treatment in the neonatal period. *J Neurointerv Surg.* 2017 May;9(5):e19. doi: 10.1136/neurintsurg-2016-012709.rep. Epub 2016 Oct 8. PubMed PMID: 27798855.
- 120: Tamber MS, Nikas D, Beier A, Baird LC, Bauer DF, Durham S, Klimo P Jr, Lin AY, Mazzola C, McClung-Smith C, Mitchell L, Tyagi R, Flannery AM. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Role of Cranial Molding Orthosis (Helmet) Therapy for Patients With Positional Plagiocephaly. *Neurosurgery.* 2016 Nov;79(5):E632-E633. PubMed PMID: 27776089.
- 121: Baird LC, Klimo P Jr, Flannery AM, Bauer DF, Beier A, Durham S, Lin AY, McClung-Smith C, Mitchell L, Nikas D, Tamber MS, Tyagi R, Mazzola C. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline for the Management of Patients With Positional Plagiocephaly: The Role of Physical Therapy. *Neurosurgery.* 2016 Nov;79(5):E630-E631. Review. PubMed PMID: 27776088.
- 122: Klimo P Jr, Lingo PR, Baird LC, Bauer DF, Beier A, Durham S, Lin AY, McClung-Smith C, Mitchell L, Nikas D, Tamber MS, Tyagi R, Mazzola C, Flannery AM. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Management of Patients With Positional Plagiocephaly: The Role of Repositioning. *Neurosurgery.* 2016 Nov;79(5):E627-E629. Review. PubMed PMID:

27776087.

123: Mazzola C, Baird LC, Bauer DF, Beier A, Durham S, Klimo P Jr, Lin AY, McClung-Smith C, Mitchell L, Nikas D, Tamber MS, Tyagi R, Flannery AM. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline for the Diagnosis of Patients With Positional Plagiocephaly: The Role of Imaging. *Neurosurgery*. 2016 Nov;79(5):E625-E626. Review. PubMed PMID: 27776086.

124: Sadighi ZS, Zabrowski J, Boop FA, Broniscer A, Gajjar A, Khan RB. Clinical Characteristics and Long-Term Outcomes of Movement Disorders in Childhood Thalamic Tumors. *Pediatr Neurol*. 2016 Dec;65:71-77. doi: 10.1016/j.pediatrneurol.2016.08.012. Epub 2016 Aug 22. PubMed PMID: 27773422.

125: Tamber MS, Nikas D, Beier A, Baird LC, Bauer DF, Durham S, Klimo P Jr, Lin AY, Mazzola C, McClung-Smith C, Mitchell L, Tyagi R, Flannery AM. Guidelines: Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Role of Cranial Molding Orthosis (Helmet) Therapy for Patients With Positional Plagiocephaly. *Neurosurgery*. 2016 Nov;79(5):E632-E633. PubMed PMID: 27759675.

126: Baird LC, Klimo P Jr, Flannery AM, Bauer DF, Beier A, Durham S, Lin AY, McClung-Smith C, Mitchell L, Nikas D, Tamber MS, Tyagi R, Mazzola C. Guidelines: Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline for the Management of Patients With Positional Plagiocephaly: The Role of Physical Therapy. *Neurosurgery*. 2016 Nov;79(5):E630-E631. PubMed PMID: 27759674.

127: Klimo P Jr, Lingo PR, Baird LC, Bauer DF, Beier A, Durham S, Lin AY, McClung-Smith C, Mitchell L, Nikas D, Tamber MS, Tyagi R, Mazzola C, Flannery AM. Guidelines: Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on the Management of Patients With Positional Plagiocephaly: The Role of Repositioning. *Neurosurgery*. 2016 Nov;79(5):E627-E629. PubMed PMID: 27759673.

128: Mazzola C, Baird LC, Bauer DF, Beier A, Durham S, Klimo P Jr, Lin AY, McClung-Smith C, Mitchell L, Nikas D, Tamber MS, Tyagi R, Flannery AM. Guidelines: Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline for the Diagnosis of Patients With Positional Plagiocephaly: The Role of Imaging. *Neurosurgery*. 2016 Nov;79(5):E625-E626. PubMed PMID: 27759672.

129: Flannery AM, Tamber MS, Mazzola C, Klimo P Jr, Baird LC, Tyagi R, Bauer DF, Beier A, Durham S, Lin AY, McClung-Smith C, Mitchell L, Nikas D. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines for the Management of Patients With Positional Plagiocephaly: Executive Summary. *Neurosurgery*. 2016 Nov;79(5):623-624. Review. PubMed PMID: 27759671.

130: Mohandas A, Summa C, Worthington WB, Lerner J, Foley KT, Bohinski RJ, Lanford GB, Holden C, Wohns RNW. Best Practices for Outpatient Anterior Cervical Surgery: Results From a Delphi Panel. *Spine (Phila Pa 1976)*. 2017 Jun 1;42(11):E648-E659. doi: 10.1097/BRS.0000000000001925. PubMed PMID: 27753787.

131: Khan NR, VanLandingham MA, Fierst TM, Hymel C, Hoes K, Evans LT, Mayer R, Barker F, Klimo P Jr. Should Levetiracetam or Phenytoin Be Used for Posttraumatic Seizure Prophylaxis? A Systematic Review of the Literature and Meta-analysis. *Neurosurgery*. 2016 Dec;79(6):775-782. Review. PubMed PMID: 27749510.

132: Choudhri AF, Siddiqui A, Klimo P Jr. Pediatric Cerebellar Tumors: Emerging Imaging Techniques and Advances in Understanding of Genetic Features. *Magn Reson Imaging Clin N Am*. 2016 Nov;24(4):811-821. doi: 10.1016/j.mric.2016.07.006. Review. PubMed PMID: 27742118.

- 133: Gerlach AT, Blais DM, Jones GM, Burcham PK, Stawicki SP, Cook CH, Murphy CV. Predictors of dexmedetomidine-associated hypotension in critically ill patients. *Int J Crit Illn Inj Sci*. 2016 Jul-Sep;6(3):109-114. PubMed PMID: 27722111; PubMed Central PMCID: PMC5051052.
- 134: Yang CH, Wang Y, Sims M, Cai C, He P, Yue J, Cheng J, Boop FA, Pfeffer SR, Pfeffer LM. MiRNA203 suppresses the expression of protumorigenic STAT1 in glioblastoma to inhibit tumorigenesis. *Oncotarget*. 2016 Dec 20;7(51):84017-84029. doi: 10.18632/oncotarget.12401. PubMed PMID: 27705947; PubMed Central PMCID: PMC5341291.
- 135: Elijovich L, Choudhri AF, Arthur AS, Klimo P, Boop FA, Berenstein A. Retreatment of a choroidal vein of Galen malformation with embolization 42 years after open surgical treatment in the neonatal period. *BMJ Case Rep*. 2016 Oct 4;2016. pii: bcr2016012709. doi: 10.1136/bcr-2016-012709. PubMed PMID: 27702926; PubMed Central PMCID: PMC5073684.
- 136: Brown MT, Boop FA. Epilepsy surgery for pediatric low-grade gliomas of the cerebral hemispheres: neurosurgical considerations and outcomes. *Childs Nerv Syst*. 2016 Oct;32(10):1923-30. doi: 10.1007/s00381-016-3162-7. Epub 2016 Sep 20. Review. PubMed PMID: 27659834.
- 137: Myers MH, Threatt M, Solies KM, McFerrin BM, Hopf LB, Birdwell JD, Sillay KA. Ambulatory Seizure Monitoring: From Concept to Prototype Device. *Ann Neurosci*. 2016 Jul;23(2):100-11. doi: 10.1159/000443567. Epub 2016 Jul 7. PubMed PMID: 27647960; PubMed Central PMCID: PMC5020388.
- 138: Hanba C, Svider PF, Shkoukani MA, Sheyn A, Jacob JT, Eloy JA, Folbe AJ. Pediatric pituitary resection: characterizing surgical approaches and complications. *Int Forum Allergy Rhinol*. 2017 Jan;7(1):72-79. doi: 10.1002/alr.21840. Epub 2016 Sep 14. PubMed PMID: 27626904.
- 139: Elijovich L, Goyal N, Choudhri A. Hyperdense lenticulostriate artery sign. *Neurol India*. 2016 Sep-Oct;64(5):1091-2. doi: 10.4103/0028-3886.190224. PubMed PMID: 27625279.
- 140: Sarraj A, Sangha N, Hussain MS, Wisco D, Vora N, Elijovich L, Goyal N, Abraham M, Mittal M, Feng L, Wu A, Janardhan V, Nalluri S, Yoo AJ, George M, Edgell R, Shah RJ, Sitton C, Supsupin E, Bajgur S, Denny MC, Chen PR, Dannenbaum M, Martin-Schild S, Savitz SI, Gupta R. Endovascular Therapy for Acute Ischemic Stroke With Occlusion of the Middle Cerebral Artery M2 Segment. *JAMA Neurol*. 2016 Nov 1;73(11):1291-1296. doi: 10.1001/jamaneurol.2016.2773. PubMed PMID: 27617425.
- 141: Al-Fakhouri A, Efeovbokhan N, Nakhla R, Khouzam RN. Renal denervation in the treatment of resistant hypertension: Dead, alive or surviving? *Rev Port Cardiol*. 2016 Oct;35(10):531-8. doi: 10.1016/j.repc.2016.06.005. Epub 2016 Sep 7. Review. English, Portuguese. PubMed PMID: 27614724.
- 142: 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.
- 143: Brett BL, Smyk N, Solomon G, Baughman BC, Schatz P. Long-term Stability and Reliability of Baseline Cognitive Assessments in High School Athletes Using ImPACT at 1-, 2-, and 3-year Test-Retest Intervals. *Arch Clin Neuropsychol*. 2016 Aug 18. [Epub ahead of print] PubMed PMID: 27538440.

- 144: Zuo L, Tan Y, Li CR, Wang Z, Wang K, Zhang X, Lin X, Chen X, Zhong C, Wang X, Wang J, Lu L, Luo X. Associations of rare nicotinic cholinergic receptor gene variants to nicotine and alcohol dependence. *Am J Med Genet B Neuropsychiatr Genet*. 2016 Dec;171(8):1057-1071. doi: 10.1002/ajmg.b.32476. Epub 2016 Jul 30. PubMed PMID: 27473937; PubMed Central PMCID: PMC5587505.
- 145: Khan NR, Foley KT. In Reply: Meta-analysis Does Not Support Lower Complication Rates in Minimally Invasive Transforaminal Lumbar Interbody Fusion. *Neurosurgery*. 2016 Oct;79(4):E549-51. doi: 10.1227/NEU.0000000000001372. PubMed PMID: 27471978.
- 146: Brown SC, Wang K, Dong C, Farrell MB, Heller GV, Gornik HL, Hutchisson M, Needleman L, Benenati JF, Jaff MR, Meier GH, Perese S, Bendick P, Hamburg NM, Lohr JM, LaPerna L, Leers SA, Lilly MP, Tegeler C, Katanick SL, Alexandrov AV, Siddiqui AH, Rundek T. Intersocietal Accreditation Commission Accreditation Status of Outpatient Cerebrovascular Testing Facilities Among Medicare Beneficiaries: The VALUE Study. *J Ultrasound Med*. 2016 Sep;35(9):1957-65. doi: 10.7863/ultra.15.08021. Epub 2016 Jul 27. PubMed PMID: 27466261.
- 147: Lee RP, Venable GT, Roberts ML, Parikh KA, Taylor DR, Khan NR, Michael LM 2nd, Klimo P Jr. Five-Year Institutional Bibliometric Profiles for 119 North American Neurosurgical Residency Programs: An Update. *World Neurosurg*. 2016 Nov;95:565-575. doi: 10.1016/j.wneu.2016.07.006. Epub 2016 Jul 25. PubMed PMID: 27465417.
- 148: Shahjouei S, Ansari S, Pourmotabbed T, Zand R. Potential Roles of Adropin in Central Nervous System: Review of Current Literature. *Front Mol Biosci*. 2016 Jun 27;3:25. doi: 10.3389/fmolb.2016.00025. eCollection 2016. Review. PubMed PMID: 27446928; PubMed Central PMCID: PMC4921473.
- 149: Choudhri AF, Siddiqui A, Klimo P Jr. Pediatric Cerebellar Tumors: Emerging Imaging Techniques and Advances in Understanding of Genetic Features. *Neuroimaging Clin N Am*. 2016 Aug;26(3):459-69. doi: 10.1016/j.nic.2016.03.010. Review. PubMed PMID: 27423803.
- 150: Svider PF, Bobian M, Hojjat H, Sheyn A, Zuliani G, Eloy JA, Folbe AJ. A chilling reminder: Pediatric facial trauma from recreational winter activities. *Int J Pediatr Otorhinolaryngol*. 2016 Aug;87:78-82. doi: 10.1016/j.ijporl.2016.05.025. Epub 2016 Jun 1. PubMed PMID: 27368447.
- 151: Burkus JK, Dryer RF, Arnold PM, Foley KT. Clinical and Radiographic Outcomes in Patients Undergoing Single-level Anterior Cervical Arthrodesis: A Prospective Trial Comparing Allograft to a Reduced Dose of rhBMP-2. *Clin Spine Surg*. 2017 Nov;30(9):E1321-E1332. doi: 10.1097/BSD.0000000000000409. PubMed PMID: 27352370.
- 152: Mascitelli JR, Kellner CP, Oravec CS, De Leacy RA, Oermann EK, Yaeger K, Paramasivam S, Fifi JT, Mocco J. Factors associated with successful revascularization using the aspiration component of ADAPT in the treatment of acute ischemic stroke. *J Neurointerv Surg*. 2017 Jul;9(7):636-640. doi: 10.1136/neurintsurg-2016-012439. Epub 2016 Jun 17. PubMed PMID: 27317700.
- 153: Reddington JA, Mendez GA, Ching A, Kubicky CD, Klimo P Jr, Ragel BT. Imaging characteristic analysis of metastatic spine lesions from breast, prostate, lung, and renal cell carcinomas for surgical planning: Osteolytic versus osteoblastic. *Surg Neurol Int*. 2016 May 17;7(Suppl 13):S361-5. doi: 10.4103/2152-7806.182549. eCollection 2016. PubMed PMID: 27274410; PubMed Central PMCID: PMC4879848.
- 154: Goyal N, Tsivgoulis G, Iftikhar S, Khorchid Y, Fawad Ishfaq M, Doss VT, Zand R, Chang J, Alsherbini K, Choudhri A, Hoit D, Alexandrov AV, Arthur AS, Eljovich L. Admission systolic blood

pressure and outcomes in large vessel occlusion strokes treated with endovascular treatment. *J Neurointerv Surg.* 2017 May;9(5):451-454. doi: 10.1136/neurintsurg-2016-012386. Epub 2016 Apr 26. PubMed PMID: 27117174.

155: Tsivgoulis G, Katsanos AH, Mavridis D, Magoufis G, Arthur A, Alexandrov AV. Mechanical Thrombectomy Improves Functional Outcomes Independent of Pretreatment With Intravenous Thrombolysis. *Stroke.* 2016 Jun;47(6):1661-4. doi: 10.1161/STROKEAHA.116.013097. Epub 2016 Apr 19. Review. PubMed PMID: 27094996.

156: Warach SJ, Luby M, Albers GW, Bammer R, Bivard A, Campbell BC, Derdeyn C, Heit JJ, Khatri P, Lansberg MG, Liebeskind DS, Majoie CB, Marks MP, Menon BK, Muir KW, Parsons MW, Vagal A, Yoo AJ, Alexandrov AV, Baron JC, Fiorella DJ, Furlan AJ, Puig J, Schellinger PD, Wintermark M; Stroke Imaging Research (STIR) and VISTA-Imaging Investigators. Acute Stroke Imaging Research Roadmap III Imaging Selection and Outcomes in Acute Stroke Reperfusion Clinical Trials: Consensus Recommendations and Further Research Priorities. *Stroke.* 2016 May;47(5):1389-98. doi: 10.1161/STROKEAHA.115.012364. Epub 2016 Apr 12. PubMed PMID: 27073243; PubMed Central PMCID: PMC6058693.

157: Maller VV, Agarwal A, Kanekar S. Imaging of Ventricular Shunts. *Semin Ultrasound CT MR.* 2016 Apr;37(2):159-73. doi: 10.1053/j.sult.2016.01.003. Epub 2016 Jan 7. Review. PubMed PMID: 27063666.

158: Maller VV, Gray RI. Noncommunicating Hydrocephalus. *Semin Ultrasound CT MR.* 2016 Apr;37(2):109-19. doi: 10.1053/j.sult.2015.12.004. Epub 2015 Dec 17. Review. PubMed PMID: 27063661.

159: Khan NR, Smalley Z, Nesvick CL, Lee SL, Michael LM 2nd. The use of lumbar drains in preventing spinal cord injury following thoracoabdominal aortic aneurysm repair: an updated systematic review and meta-analysis. *J Neurosurg Spine.* 2016 Sep;25(3):383-93. doi: 10.3171/2016.1.SPINE151199. Epub 2016 Apr 8. Review. PubMed PMID: 27058497.

160: Kudo K, Zhao L, Nowak TS Jr. Peri-infarct depolarizations during focal ischemia in the awake Spontaneously Hypertensive Rat. Minimizing anesthesia confounds in experimental stroke. *Neuroscience.* 2016 Jun 14;325:142-52. doi: 10.1016/j.neuroscience.2016.03.049. Epub 2016 Mar 26. PubMed PMID: 27026594; PubMed Central PMCID: PMC4849551.

161: Pitter KL, Tamagno I, Alikhanyan K, Hosni-Ahmed A, Pattwell SS, Donnola S, Dai C, Ozawa T, Chang M, Chan TA, Beal K, Bishop AJ, Barker CA, Jones TS, Hentschel B, Gorlia T, Schlegel U, Stupp R, Weller M, Holland EC, Hambardzumyan D. Corticosteroids compromise survival in glioblastoma. *Brain.* 2016 May;139(Pt 5):1458-71. doi: 10.1093/brain/aww046. Epub 2016 Mar 28. PubMed PMID: 27020328; PubMed Central PMCID: PMC5006251.

162: Tsivgoulis G, Safouris A, Krogias C, Arthur AS, Alexandrov AV. Endovascular reperfusion therapies for acute ischemic stroke: dissecting the evidence. *Expert Rev Neurother.* 2016 May;16(5):527-34. doi: 10.1586/14737175.2016.1168297. Epub 2016 Apr 7. Review. PubMed PMID: 26988872.

163: Venable GT, Rossi NB, Morgan Jones G, Khan NR, Smalley ZS, Roberts ML, Klimo P Jr. The Preventable Shunt Revision Rate: a potential quality metric for pediatric shunt surgery. *J Neurosurg Pediatr.* 2016 Jul;18(1):7-15. doi: 10.3171/2015.12.PEDS15388. Epub 2016 Mar 11. PubMed PMID: 26966884.

164: Bhole R, Goyal N, Nearing K, Belayev A, Doss VT, Eljovich L, Hoit DA, Tsivgoulis G, Alexandrov AV, Arthur AS, Alexandrov AW. Implications of limiting mechanical thrombectomy to patients with emergent large vessel occlusion meeting top tier evidence criteria. *J Neurointerv Surg*. 2017 Mar;9(3):225-228. doi: 10.1136/neurintsurg-2015-012206. Epub 2016 Mar 1. PubMed PMID: 26932801.

165: Tsivgoulis G, Katsanos AH, Sharma VK, Krogias C, Mikulik R, Vadikolias K, Mijajlovic M, Safouris A, Zompola C, Faissner S, Weiss V, Giannopoulos S, Vasdekis S, Boviatsis E, Alexandrov AW, Voumvourakis K, Alexandrov AV. Statin pretreatment is associated with better outcomes in large artery atherosclerotic stroke. *Neurology*. 2016 Mar 22;86(12):1103-11. doi: 10.1212/WNL.0000000000002493. Epub 2016 Feb 24. PubMed PMID: 26911636; PubMed Central PMCID: PMC4820133.

166: Klionsky DJ, Abdelmohsen K, Abe A, Abedin MJ, Abeliovich H, Acevedo Arozena A, Adachi H, Adams CM, Adams PD, Adeli K, Adihetty PJ, Adler SG, Agam G, Agarwal R, Aghi MK, Agnello M, Agostinis P, Aguilar PV, Aguirre-Ghiso J, Airolidi EM, Ait-Si-Ali S, Akematsu T, Akporiaye ET, Al-Rubeai M, Albaiceta GM, Albanese C, Albani D, Albert ML, Aldudo J, Algül H, Alirezai M, Alloza I, Almasan A, Almonte-Beceril M, Alnemri ES, Alonso C, Altan-Bonnet N, Altieri DC, Alvarez S, Alvarez-Erviti L, Alves S, Amadoro G, Amano A, Amantini C, Ambrosio S, Amelio I, Amer AO, Amessou M, Amon A, An Z, Anania FA, Andersen SU, Andley UP, Andreadi CK, Andrieu-Abadie N, Anel A, Ann DK, Anoopkumar-Dukie S, Antonioli M, Aoki H, Apostolova N, Aquila S, Aquilano K, Araki K, Arama E, Aranda A, Araya J, Arcaro A, Arias E, Arimoto H, Ariosia 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, Duchon MR, Duchosal MA, Duez H, Dugail I, Dumit VI, Duncan MC, Dunlop EA, Dunn WA Jr, Dupont N, Dupuis L, Durán RV, Durcan TM, Duvezin-Caubet S, Duvvuri U, Eapen V, Ebrahimi-Fakhari D, Echard A, Eckhart L, Edelstein CL, Edinger AL, Eichinger L, Eisenberg T, Eisenberg-Lerner A, Eissa NT, El-Deiry WS, El-Khoury V, Elazar Z, Eldar-Finkelman H, Elliott CJ, Emanuele E, Emmenegger U, Engedal N, Engelbrecht AM, Engelender S, Enserink JM, Erdmann R, Erenpreisa J, Eri R, Eriksen JL, Erman A, Escalante R, Eskelinen EL, Espert L, Esteban-Martínez L, Evans TJ, Fabri M, Fabrias G, Fabrizi C, Facchiano A, Færgeman NJ, Faggioni A, Fairlie WD, Fan C, Fan D, Fan J, Fang S, Fanto M, Fanzani A, Farkas T, Faure M, Favier FB, Fearnhead H, Federici M, Fei E, Felizardo TC, Feng H, Feng Y, Feng Y, Ferguson TA, Fernández ÁF, Fernandez-Barrena MG, Fernandez-Checa JC, Fernández-López A, Fernandez-Zapico ME, Feron O, Ferraro E, Ferreira-Halder CV, Fesus L, Feuer R, Fiesel FC, Filippi-Chiela EC, Filomeni G, Fimia GM, Fingert JH, Finkbeiner S, Finkel T, Fiorito F, Fisher PB, Flajolet M, Flamigni F, Florey O, Florio S, Floto RA, Folini M, Follo C, Fon EA, Fornai F, Fortunato F, Fraldi A, Franco R, Francois A, François A, Frankel LB, Fraser ID, Frey N, Freyssenet DG, Frezza C, Friedman SL, Frigo DE, Fu D, Fuentes JM, Fueyo J, Fujitani Y, Fujiwara Y, Fujiya M, Fukuda M, Fulda S, Fusco C, Gabryel B, Gaestel M, Gailly P, Gajewska M, Galadari S, Galili G, Galindo I, Galindo MF, Galliciotti G, Galluzzi L, Galluzzi L, Galy V, Gammoh N, Gandy S, Ganesan AK, Ganesan S, Ganley IG, Gannagé M, Gao FB, Gao F, Gao JX, García Nannig L, García Vescovi E, Garcia-Macia M, Garcia-Ruiz C, Garg AD, Garg PK, Gargini R, Gassen NC, Gatica D, Gatti E, Gavard J, Gavathiotis E, Ge L, Ge P, Ge S, Gean PW, Gelmetti V, Genazzani AA, Geng J, Genschik P, Gerner L, Gestwicki JE, Gewirtz DA, Ghavami S, Ghigo E, Ghosh D, Giammarioli AM, Giampieri F, Giampietri C, Giatromanolaki A, Gibbins DJ, Gibellini L, Gibson SB, Ginet V, Giordano A, Giorgini F, Giovannetti E, Girardin SE, Gispert S, Giuliano S, Gladson CL, Glavic A, Gleave M, Godefroy N, Gogal RM Jr, Gokulan K, Goldman GH, Goletti D, Goligorsky MS, Gomes AV, Gomes LC, Gomez H, Gomez-Manzano C, Gómez-Sánchez R, Gonçalves DA, Goncu E, Gong Q, Gongora C, Gonzalez CB, Gonzalez-Alegre P, Gonzalez-Cabo P, González-Polo RA, Goping IS, Gorbea C, Gorbunov NV, Goring DR, Gorman AM, Gorski SM, Goruppi S, Goto-Yamada S, Gotor C, Gottlieb RA, Gozes I, Gozuacik D, Graba Y, Graef M, Granato GE, Grant GD, Grant S, Gravina GL, Green DR, Greenhough A, Greenwood MT, Grimaldi B,

Gros F, Grose C, Groulx JF, Gruber F, Grumati P, Grune T, Guan JL, Guan KL, Guerra B, Guillen C, Gulshan K, Gunst J, Guo C, Guo L, Guo M, Guo W, Guo XG, Gust AA, Gustafsson ÅB, Gutierrez E, Gutierrez MG, Gwak HS, Haas A, Haber JE, Hadano S, Hagedorn M, Hahn DR, Halayko AJ, Hamacher-Brady A, Hamada K, Hamai A, Hamann A, Hamasaki M, Hamer I, Hamid Q, Hammond EM, Han F, Han W, Handa JT, Hanover JA, Hansen M, Harada M, Harhaji-Trajkovic L, Harper JW, Harrath AH, Harris AL, Harris J, Hasler U, Hasselblatt P, Hasui K, Hawley RG, Hawley TS, He C, He CY, He F, He G, He RR, He XH, He YW, He YY, Heath JK, Hébert MJ, Heinzen RA, Helgason GV, Hensel M, Henske EP, Her C, Herman PK, Hernández A, Hernandez C, Hernández-Tiedra S, Hetz C, Hiesinger PR, Higaki K, Hilfiker S, Hill BG, Hill JA, Hill WD, Hino K, Hofius D, Hofman P, Höglinger GU, Höhfeld J, Holz MK, Hong Y, Hood DA, Hoozemans JJ, Hoppe T, Hsu C, Hsu CY, Hsu LC, Hu D, Hu G, Hu HM, Hu H, Hu MC, Hu YC, Hu ZW, Hua F, Hua Y, Huang C, Huang HL, Huang KH, Huang KY, Huang S, Huang S, Huang WP, Huang YR, Huang Y, Huang Y, Huber TB, Huebbe P, Huh WK, Hulmi JJ, Hur GM, Hurley JH, Husak Z, Hussain SN, Hussain S, Hwang JJ, Hwang S, Hwang TI, Ichihara A, Imai Y, Imbriano C, Inomata M, Into T, Iovane V, Iovanna JL, Iozzo RV, Ip NY, Irazoqui JE, Iribarren P, Isaka Y, Isakovic AJ, Ischiropoulos H, Isenberg JS, Ishaq M, Ishida H, Ishii I, Ishmael JE, Isidoro C, Isobe K, Isono E, Issazadeh-Navikas S, Itahana K, Itakura E, Ivanov AI, Iyer AK, Izquierdo JM, Izumi Y, Izzo V, Jäättelä M, Jaber N, Jackson DJ, Jackson WT, Jacob TG, Jacques TS, Jagannath C, Jain A, Jana NR, Jang BK, Jani A, Janji B, Jannig PR, Jansson PJ, Jean S, Jendrach M, Jeon JH, Jessen N, Jeung EB, Jia K, Jia L, Jiang H, Jiang H, Jiang L, Jiang T, Jiang X, Jiang X, Jiang X, Jiang Y, Jiang Y, Jiménez A, Jin C, Jin H, Jin L, Jin M, Jin S, Jinwal UK, Jo EK, Johansen T, Johnson DE, Johnson GV, Johnson JD, Jonasch E, Jones C, Joosten LA, Jordan J, Joseph AM, Joseph B, Joubert AM, Ju D, Ju J, Juan HF, Juenemann K, Juhász G, Jung HS, Jung JU, Jung YK, Jungbluth H, Justice MJ, Jutten B, Kaakoush NO, Kaarniranta K, Kaasik A, Kabuta T, Kaeffer B, Kågedal K, Kahana A, Kajimura S, Kakhlon O, Kalia M, Kalvakolanu DV, Kamada Y, Kambas K, Kaminsky VO, Kampinga HH, Kandouz M, Kang C, Kang R, Kang TC, Kanki T, Kanneganti TD, Kanno H, Kanthasamy AG, Kantorow M, Kaparakis-Liaskos M, Kapuy O, Karantza V, Karim MR, Karmakar P, Kaser A, Kaushik S, Kawula T, Kaynar AM, Ke PY, Ke ZJ, Kehrl JH, Keller KE, Kemper JK, Kenworthy AK, Kepp O, Kern A, Kesari S, Kessel D, Ketteler R, Kettelhut Ido C, Khambu B, Khan MM, Khandelwal VK, Khare S, Kiang JG, Kiger AA, Kihara A, Kim AL, Kim CH, Kim DR, Kim DH, Kim EK, Kim HY, Kim HR, Kim JS, Kim JH, Kim JC, Kim JH, Kim KW, Kim MD, Kim MM, Kim PK, Kim SW, Kim SY, Kim YS, Kim Y, Kimchi A, Kimmelman AC, Kimura T, King JS, Kirkegaard K, Kirkin V, Kirshenbaum LA, Kishi S, Kitajima Y, Kitamoto K, Kitaoka Y, Kitazato K, Kley RA, Klimecki WT, Klinkenberg M, Klucken J, Knævelsrud H, Knecht E, Knuppertz L, Ko JL, Kobayashi S, Koch JC, Koechlin-Ramonatxo C, Koenig U, Koh YH, Köhler K, Kohlwein SD, Koike M, Komatsu M, Kominami E, Kong D, Kong HJ, Konstantakou EG, Kopp BT, Korcsmaros T, Korhonen L, Korolchuk VI, Koshkina NV, Kou Y, Koukourakis MI, Koumenis C, Kovács AL, Kovács T, Kovacs WJ, Koya D, Kraft C, Krainc D, Kramer H, Kravic-Stevovic T, Krek W, Kretz-Remy C, Krick R, Krishnamurthy M, Kriston-Vizi J, Kroemer G, Kruer MC, Kruger R, Ktistakis NT, Kuchitsu K, Kuhn C, Kumar AP, Kumar A, Kumar A, Kumar D, Kumar D, Kumar R, Kumar S, Kundu M, Kung HJ, Kuno A, Kuo SH, Kuret J, Kurz T, Kwok T, Kwon TK, Kwon YT, Kyrmizi I, La Spada AR, Lafont F, Lahm T, Lakkaraju A, Lam T, Lamark T, Lancel S, Landowski TH, Lane DJ, Lane JD, Lanzi C, Lapaquette P, Lapierre LR, Laporte J, Laukkanen J, Laurie GW, Lavandero S, Lavie L, LaVoie MJ, Law BY, Law HK, Law KB, Layfield R, Lazo PA, Le Cam L, Le Roch KG, Le Stunff H, Leardkamolkarn V, Lecuit M, Lee BH, Lee CH, Lee EF, Lee GM, Lee HJ, Lee H, Lee JK, Lee J, Lee JH, Lee JH, Lee M, Lee MS, Lee PJ, Lee SW, Lee SJ, Lee SJ, Lee SY, Lee SH, Lee SS, Lee SJ, Lee S, Lee YR, Lee YJ, Lee YH, Leeuwenburgh C, Lefort S, Legouis R, Lei J, Lei QY, Leib DA, Leibowitz G, Lekli I, Lemaire SD, Lemasters JJ, Lemberg MK, Lemoine A, Leng S, Lenz G, Lenzi P, Lerman LO, Lettieri Barbato D, Leu JI, Leung HY, Levine B, Lewis PA, Lezoualc'h F, Li C, Li F, Li FJ, Li J, Li K, Li L, Li M, Li M, Li Q, Li R, Li S, Li W, Li W, Li X, Li Y, Lian J, Liang C, Liang Q, Liao Y, Liberal J, Liberski PP, Lie P, Lieberman AP, Lim HJ, Lim KL, Lim K, Lima RT, Lin CS, Lin CF, Lin F, Lin F, Lin FC, Lin K, Lin KH, Lin PH, Lin T, Lin WW, Lin YS, Lin Y, Linden R, Lindholm D, Lindqvist LM, Lingor P, Linkermann A, Liotta LA, Lipinski MM, Lira VA, Lisanti MP, Liton PB, Liu B, Liu C, Liu CF, Liu F, Liu HJ, Liu J, Liu JJ, Liu JL, Liu K, Liu L, Liu L, Liu Q, Liu RY, Liu S, Liu S, Liu W, Liu XD, Liu X, Liu XH, Liu X, Liu X, Liu X, Liu Y, Liu Y, Liu Z, Liu Z, Liuzzi JP, Lizard G, Ljujic M, Lodhi IJ, Logue SE, Lokeshwar BL, Long YC, Lonial S, Loos B, López-Otín

C, López-Vicario C, Lorente M, Lorenzi PL, Lőrincz P, Los M, Lotze MT, Lovat PE, Lu B, Lu B, Lu J, Lu Q, Lu SM, Lu S, Lu Y, Luciano F, Luckhart S, Lucocq JM, Ludovico P, Lugea A, Lukacs NW, Lum JJ, Lund AH, Luo H, Luo J, Luo S, Luparello C, Lyons T, Ma J, Ma Y, Ma Y, Ma Z, Machado J, Machado-Santelli GM, Macian F, MacIntosh GC, MacKeigan JP, Macleod KF, MacMicking JD, MacMillan-Crow LA, Madeo F, Madesh M, Madrigal-Matute J, Maeda A, Maeda T, Maegawa G, Maellaro E, Maes H, Magariños M, Maiese K, Maiti TK, Maiuri L, Maiuri MC, Maki CG, Malli R, Malorni W, Maloyan A, Mami-Chouaib F, Man N, Mancias JD, Mandelkow EM, Mandell MA, Manfredi AA, Manié SN, Manzoni C, Mao K, Mao Z, Mao ZW, Marambaud P, Marconi AM, Marelja Z, Marfe G, Margeta M, Margittai E, Mari M, Mariani FV, Marin C, Marinelli S, Mariño G, Markovic I, Marquez R, Martelli AM, Martens S, Martin KR, Martin SJ, Martin S, Martin-Acebes MA, Martín-Sanz P, Martinand-Mari C, Martinet W, Martinez J, Martinez-Lopez N, Martinez-Outschoorn U, Martínez-Velázquez M, Martinez-Vicente M, Martins WK, Mashima H, Mastrianni JA, Matarese G, Matarrese P, Mateo R, Matoba S, Matsumoto N, Matsushita T, Matsuura A, Matsuzawa T, Mattson MP, Matus S, Maugeri N, Mauvezin C, Mayer A, Maysinger D, Mazzolini GD, McBrayer MK, McCall K, McCormick C, McInerney GM, McIver SC, McKenna S, McMahon JJ, McNeish IA, Mechta-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, Osiewacz 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, Plataniias 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, Quadrilatero J, Quinn F, Raben N, Rabinowich H, Radogna F, Ragusa MJ, Rahmani M, Raina K, Ramanadham S, Ramesh R, Rami A, Randall-Demillo S, Randow F, Rao H, Rao VA, Rasmussen BB, Rasse TM, Ratovitski EA, Rautou PE, Ray SK, Razani B, Reed BH, Reggiori F, Rehm M, Reichert AS, Rein T, Reiner DJ, Reits E, Ren J, Ren X, Renna M, Reusch JE, Revuelta JL, Reyes L, Rezaie AR, Richards RI, Richardson DR, Richetta C, Riehle MA, Rihn BH, Rikihisa Y, Riley BE, Rimbach G, Rippo MR, Ritis K, Rizzi F, Rizzo E, Roach PJ, Robbins J, Roberge M, Roca G, Roccheri MC, Rocha S, Rodrigues CM, Rodríguez CI, de Cordoba SR, Rodriguez-Muela N, Roelofs J, Rogov VV, Rohn TT, Rohrer B, Romanelli D, Romani L, Romano PS, Roncero MI, Rosa JL, Rosello A, Rosen KV, Rosenstiel P, Rost-Roszkowska M, Roth KA, Roué G, Rouis M, Rouschop KM, Ruan DT, Ruano D, Rubinsztein DC, Rucker EB 3rd, Rudich A, Rudolf E, Rudolf R, Ruegg MA, Ruiz-Roldan C, Ruparelia 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-Sverdlov R, Shirihai O, Shore GC, Shu CW, Shukla D, Sibirny AA, Sica V, Sigurdson CJ, Sigurdsson EM, Sijwali PS, Sikorska B, Silveira WA, Silvente-Poirot S, Silverman GA, Simak J, Simmet T, Simon AK, Simon HU, Simone C, Simons M, Simonsen A, Singh R, Singh SV, Singh SK, Sinha D, Sinha S, 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, Sward K, Swarup G, Sweeney ST, Sylvester PW, Szatmari Z, Szegezdi E, Szlosarek PW, Taegtmeyer H, Tafani M, Taillebourg E, Tait SW, Takacs-Vellai K, Takahashi Y, Takáts S, Takemura G, Takigawa N, Talbot NJ, Tamagno E, Tamburini J, Tan CP, Tan L, Tan ML, Tan M, Tan YJ, Tanaka K, Tanaka M, Tang D, Tang D, Tang G, Tanida I, Tanji K, Tannous BA, Tapia JA, Tasset-Cuevas I, Tatar M, Tavassoly I, Tavernarakis N, Taylor A, Taylor GS, Taylor GA, Taylor JP, Taylor MJ, Tchetina EV, Tee AR, Teixeira-Clerc F, Telang S, Tencomnao T, Teng BB, Teng RJ, Terro F, Tettamanti G, Theiss AL, Theron AE, Thomas KJ, Thomé MP, Thomes PG, Thorburn A, Thorner J, Thum T, Thumm M, Thurston TL, Tian L, Till A, Ting JP, Titorenko VI, Toker L, Toldo S, Tooze SA, Topisirovic I, Torgersen ML, Torosantucci L, Torriglia A, Torrisi MR, Tournier C, Towns R, Trajkovic V, Travassos LH, Triola G, Tripathi DN, Trisciuglio D, Troncoso R, Trougakos IP, Truttmann AC, Tsai KJ, Tschan MP, Tseng YH, Tsukuba T, Tsung A, Tsvetkov AS, Tu S, Tuan HY, Tucci M, Tumbarello DA, Turk B, Turk V, Turner RF, Tveita AA, Tyagi SC, Ubukata M, Uchiyama Y, Udelnow A,

Ueno T, Umekawa M, Umemiya-Shirafuji R, Underwood BR, Ungermann C, Ureshino RP, Ushioda R, Uversky VN, Uzcátegui NL, Vaccari T, Vaccaro MI, Váchová L, Vakifahmetoglu-Norberg H, Valdor R, Valente EM, Vallette F, Valverde AM, Van den Berghe G, Van Den Bosch L, van den Brink GR, van der Goot FG, van der Klei IJ, van der Laan LJ, van Doorn WG, van Egmond M, van Golen KL, Van Kaer L, van Lookeren Campagne M, Vandenabeele P, Vandenberghe W, Vanhorebeek I, Varela-Nieto I, Vasconcelos MH, Vasko R, Vavvas DG, Vega-Naredo I, Velasco G, Velentzas AD, Velentzas PD, Vellai T, Vellenga E, Vendelbo MH, Venkatachalam K, Ventura N, Ventura S, Veras PS, Verdier M, Vertessy BG, Viale A, Vidal M, Vieira HL, Vierstra RD, Vigneswaran N, Vij N, Vila M, Villar M, Villar VH, Villarroja 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, Weihi 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.

167: DeCuypere M, Muhlbauer MS, Boop FA, Klimo P Jr. Pediatric intracranial gunshot wounds: the Memphis experience. *J Neurosurg Pediatr*. 2016 May;17(5):595-601. doi: 10.3171/2015.7.PEDS15285. Epub 2016 Jan 5. PubMed PMID: 26728100.

168: Klimo P Jr, Michael LM 2nd, Venable GT, Taylor DR. Bibliometrics. *J Neurosurg*. 2016 Mar;124(3):877-8. doi: 10.3171/2015.7.JNS151647. Epub 2016 Jan 1. PubMed PMID: 26722863.

169: Frontera JA, Lewin JJ 3rd, Rabinstein AA, Aisiku IP, Alexandrov AW, Cook AM, del Zoppo GJ, Kumar MA, Peerschke EI, Stiefel MF, Teitelbaum JS, Wartenberg KE, Zerfoss CL. Guideline for Reversal of Antithrombotics in Intracranial Hemorrhage: A Statement for Healthcare Professionals from the Neurocritical Care Society and Society of Critical Care Medicine. *Neurocrit Care*. 2016 Feb;24(1):6-46. doi: 10.1007/s12028-015-0222-x. Review. PubMed PMID: 26714677.

170: Bouffet E, Allen JC, Boyett JM, Yates A, Gilles F, Burger PC, Davis RL, Becker LE, Pollack IF, Finlay JL. The influence of central review on outcome in malignant gliomas of the spinal cord: the CCG-945 experience. *J Neurosurg Pediatr.* 2016 Apr;17(4):453-9. doi: 10.3171/2015.10.PEDS1581. Epub 2015 Dec 18. PubMed PMID: 26684767; PubMed Central PMCID: PMC5040185.

171: Babajani-Feremi A, Narayana S, Rezaie R, Choudhri AF, Fulton SP, Boop FA, Wheless JW, Papanicolaou AC. Language mapping using high gamma electrocorticography, fMRI, and TMS versus electrocortical stimulation. *Clin Neurophysiol.* 2016 Mar;127(3):1822-36. doi: 10.1016/j.clinph.2015.11.017. Epub 2015 Nov 26. PubMed PMID: 26679420.

172: Konofaos P, Goubran S, Wallace RD. The Role of Resorbable Mesh as a Fixation Device in Craniosynostosis. *J Craniofac Surg.* 2016 Jan;27(1):105-8. doi: 10.1097/SCS.0000000000002279. PubMed PMID: 26674902.

173: Larsen GY, Schober M, Fabio A, Wisniewski SR, Grant MJ, Shafi N, Bennett TD, Hirtz D, Bell MJ. Structure, Process, and Culture Differences of Pediatric Trauma Centers Participating in an International Comparative Effectiveness Study of Children with Severe Traumatic Brain Injury. *Neurocrit Care.* 2016 Jun;24(3):353-60. doi: 10.1007/s12028-015-0218-6. PubMed PMID: 26627225; PubMed Central PMCID: PMC4884520.

174: Glassman SD, Carreon LY, Ghogawala Z, Foley KT, McGirt MJ, Asher AL. Benefit of Transforaminal Lumbar Interbody Fusion vs Posterolateral Spinal Fusion in Lumbar Spine Disorders: A Propensity-Matched Analysis From the National Neurosurgical Quality and Outcomes Database Registry. *Neurosurgery.* 2016 Sep;79(3):397-405. doi: 10.1227/NEU.0000000000001118. PubMed PMID: 26579968.

175: Rossi NB, Khan NR, Jones TL, Lepard J, McAbee JH, Klimo P Jr. Predicting shunt failure in children: should the global shunt revision rate be a quality measure? *J Neurosurg Pediatr.* 2016 Mar;17(3):249-59. doi: 10.3171/2015.5.PEDS15118. Epub 2015 Nov 6. PubMed PMID: 26544083.

176: Klimo P Jr, Nesvick CL, Broniscer A, Orr BA, Choudhri AF. Malignant brainstem tumors in children, excluding diffuse intrinsic pontine gliomas. *J Neurosurg Pediatr.* 2016 Jan;17(1):57-65. doi: 10.3171/2015.6.PEDS15166. Epub 2015 Oct 16. PubMed PMID: 26474099.

177: Befeler AR, Gordon W, Khan N, Fernandez J, Muhlbauer MS, Sorenson JM. Results of delayed follow-up imaging in traumatic brain injury. *J Neurosurg.* 2016 Mar;124(3):703-9. doi: 10.3171/2015.4.JNS141257. Epub 2015 Oct 16. PubMed PMID: 26473787.

178: Klimo P Jr, Nesvick CL. Letter to the Editor: Stereotactic radiosurgery for AVMs with and without Onyx embolization. *J Neurosurg.* 2015 Dec;123(6):1610-1. doi: 10.3171/2015.7.JNS151577. Epub 2015 Oct 16. PubMed PMID: 26473776.

179: Choudhri AF, Chatterjee AR, Javan R, Radvany MG, Shih G. Security Issues for Mobile Medical Imaging: A Primer. *Radiographics.* 2015 Oct;35(6):1814-24. doi: 10.1148/rg.2015140039. PubMed PMID: 26466188.

180: Peng F, Li J, Guo T, Yang H, Li M, Sang S, Li X, Desiderio DM, Zhan X. Nitroproteins in Human Astrocytomas Discovered by Gel Electrophoresis and Tandem Mass Spectrometry. *J Am Soc Mass Spectrom.* 2015 Dec;26(12):2062-76. doi: 10.1007/s13361-015-1270-3. Epub 2015 Oct 8. PubMed PMID: 26450359.

181: Goyal N, Tsivgoulis G, Zand R, Sharma VK, Barlinn K, Male S, Katsanos AH, Bodechtel U, Iftikhar S, Arthur A, Eljovich L, Alexandrov AW, Alexandrov AV. Systemic thrombolysis in acute ischemic

stroke patients with unruptured intracranial aneurysms. *Neurology*. 2015 Oct 27;85(17):1452-8. doi: 10.1212/WNL.0000000000002068. Epub 2015 Sep 25. PubMed PMID: 26408492; PubMed Central PMCID: PMC4631074.

182: Radtke I, Choudhri AF, Cohen HL. Chiari 3 Malformation and Cephaloceles: Perinatal Evaluation. *Ultrasound Q*. 2015 Sep;31(3):212-4. doi: 10.1097/RUQ.0000000000000145. PubMed PMID: 26366693.

183: Venable GT, Green CS, Smalley ZS, Bedford EC, Modica JS, Klimo P Jr. What is the risk of a shunt malfunction after elective intradural surgery? *J Neurosurg Pediatr*. 2015 Dec;16(6):642-7. doi: 10.3171/2015.5.PEDS15130. Epub 2015 Sep 11. PubMed PMID: 26359674.

184: Venable GT, Shepherd BA, Loftis CM, McClatchy SG, Roberts ML, Fillinger ME, Tansey JB, Klimo P Jr. Bradford's law: identification of the core journals for neurosurgery and its subspecialties. *J Neurosurg*. 2016 Feb;124(2):569-79. doi: 10.3171/2015.3.JNS15149. Epub 2015 Sep 4. Review. PubMed PMID: 26339849.

185: McTaggart RA, Ansari SA, Goyal M, Abruzzo TA, Albani B, Arthur AJ, Alexander MJ, Albuquerque FC, Baxter B, Bulsara KR, Chen M, Almandoz JE, Fraser JF, Frei D, Gandhi CD, Heck DV, Hetts SW, Hussain MS, Kelly M, Klucznik R, Lee SK, Leslie-Mawzi T, Meyers PM, Prestigiacomo CJ, Pride GL, Patsalides A, Starke RM, Sunenshine P, Rasmussen PA, Jayaraman MV; Standards and Guidelines Committee of the Society of NeuroInterventional Surgery (SNIS). Initial hospital management of patients with emergent large vessel occlusion (ELVO): report of the standards and guidelines committee of the Society of NeuroInterventional Surgery. *J Neurointerv Surg*. 2017 Mar;9(3):316-323. doi: 10.1136/neurintsurg-2015-011984. Epub 2015 Aug 31. PubMed PMID: 26323793.

186: Fischer-Zirnsak B, Escande-Beillard N, Ganesh J, Tan YX, Al Bughaili M, Lin AE, Sahai I, Bahena P, Reichert SL, Loh A, Wright GD, Liu J, Rahikkala E, Pivnick EK, Choudhri AF, Krüger U, Zemojtel T, van Ravenswaaij-Arts C, Mostafavi R, Stolte-Dijkstra I, Symoens S, Pajunen L, Al-Gazali L, Meierhofer D, Robinson PN, Mundlos S, Villarroel CE, Byers P, Masri A, Robertson SP, Schwarze U, Callewaert B, Reversade B, Kornak U. Recurrent De Novo Mutations Affecting Residue Arg138 of Pyrroline-5-Carboxylate Synthase Cause a Progeroid Form of Autosomal-Dominant Cutis Laxa. *Am J Hum Genet*. 2015 Sep 3;97(3):483-92. doi: 10.1016/j.ajhg.2015.08.001. Epub 2015 Aug 27. PubMed PMID: 26320891; PubMed Central PMCID: PMC4564990.

187: Goyal N, Tsivgoulis G, Nickele C, Doss VT, Hoit D, Alexandrov AV, Arthur A, Eljovich L. Posterior circulation CT angiography collaterals predict outcome of endovascular acute ischemic stroke therapy for basilar artery occlusion. *J Neurointerv Surg*. 2016 Aug;8(8):783-6. doi: 10.1136/neurintsurg-2015-011883. Epub 2015 Aug 17. PubMed PMID: 26283714.

188: Aquilina K, Daniels DJ, Spoudeas H, Phipps K, Gan HW, Boop FA. Optic pathway glioma in children: does visual deficit correlate with radiology in focal exophytic lesions? *Childs Nerv Syst*. 2015 Nov;31(11):2041-9. doi: 10.1007/s00381-015-2855-7. Epub 2015 Aug 16. PubMed PMID: 26277358.

189: Khan NR, Lakičević G, Callihan TR, Burruss G, Arnautović K. Diffuse Large B-Cell Lymphoma of the Frontal Sinus Presenting as a Pott Puffy Tumor: Case Report. *J Neurol Surg Rep*. 2015 Jul;76(1):e23-7. doi: 10.1055/s-0034-1543996. Epub 2015 Jan 16. PubMed PMID: 26251804; PubMed Central PMCID: PMC4520977.

190: Ditta LC, Choudhri AF, Blitz AM, Fleming JC, Kerr NC, O'Donnell T. Traumatic avulsion of the oculomotor nerve documented by high-resolution magnetic resonance imaging. *J AAPOS*. 2015

Aug;19(4):385-7. doi: 10.1016/j.jaapos.2015.03.021. Epub 2015 Jul 30. PubMed PMID: 26235796.

191: Choudhri AF, Patel RM, Siddiqui A, Whitehead MT, Wheless JW. Cortical Activation Through Passive-Motion Functional MRI. *AJNR Am J Neuroradiol*. 2015 Sep;36(9):1675-81. doi: 10.3174/ajnr.A4345. Epub 2015 Jul 30. PubMed PMID: 26228890.

192: Konofaos P, Wallace RD. Basic Science of Muscle Neurotization: A Review. *J Reconstr Microsurg*. 2015 Sep;31(7):481-6. doi: 10.1055/s-0035-1554937. Epub 2015 Jul 28. Review. PubMed PMID: 26220432.

193: Aslam N, Kedar A, Nagarajao HS, Reddy K, Rashed H, Cutts T, Riely C, Abell TL. Serum catecholamines and dysautonomia in diabetic gastroparesis and liver cirrhosis. *Am J Med Sci*. 2015 Aug;350(2):81-6. doi: 10.1097/MAJ.0000000000000523. PubMed PMID: 26181082; PubMed Central PMCID: PMC5089073.

194: Choudhri AF, Castillo M. Subspecialty Virtual Impact Factors within a Dedicated Neuroimaging Journal. *AJNR Am J Neuroradiol*. 2015 Oct;36(10):1810-3. doi: 10.3174/ajnr.A4380. Epub 2015 Jul 9. PubMed PMID: 26159517.

195: Bishop MW, Somerville JM, Bahrami A, Kaste SC, Interiano RB, Wu J, Mao S, Boop FA, Williams RF, Pappo AS, Samant S. Mesenchymal Chondrosarcoma in Children and Young Adults: A Single Institution Retrospective Review. *Sarcoma*. 2015;2015:608279. doi: 10.1155/2015/608279. Epub 2015 Jun 3. PubMed PMID: 26146478; PubMed Central PMCID: PMC4469840.

196: Michael LM 2nd, Klimo P. Outcomes Research in Neurosurgery: Do Administrative Databases Hold the Answers? *World Neurosurg*. 2015 Nov;84(5):1193-5. doi: 10.1016/j.wneu.2015.06.060. Epub 2015 Jul 2. PubMed PMID: 26142815.

197: Kumar R, Simpson CV, Froelich CA, Baughman BC, Gienapp AJ, Sillay KA. Obesity and deep brain stimulation: an overview. *Ann Neurosci*. 2015 Jul;22(3):181-8. doi: 10.5214/ans.0972.7531.220310. Review. PubMed PMID: 26130928; PubMed Central PMCID: PMC4481550.

198: Taylor DR, Venable GT, Jones GM, Lepard JR, Roberts ML, Saleh N, Sidiqi SK, Moore A, Khan N, Selden NR, Michael LM 2nd, Klimo P Jr. Five-year institutional bibliometric profiles for 103 US neurosurgical residency programs. *J Neurosurg*. 2015 Sep;123(3):547-60. doi: 10.3171/2014.10.JNS141025. Epub 2015 Jun 26. PubMed PMID: 26115470.

199: McAbee JH, Modica J, Thompson CJ, Broniscer A, Orr B, Choudhri AF, Boop FA, Klimo P Jr. Cervicomedullary tumors in children. *J Neurosurg Pediatr*. 2015 Oct;16(4):357-66. doi: 10.3171/2015.5.PEDS14638. Epub 2015 Jun 26. PubMed PMID: 26114990.

200: Wallace RD, Salt C, Konofaos P. Comparison of Autogenous and Alloplastic Cranioplasty Materials Following Impact Testing. *J Craniofac Surg*. 2015 Jul;26(5):1551-7. doi: 10.1097/SCS.0000000000001882. PubMed PMID: 26114508.

201: Nesvick CL, Khan NR, Mehta GU, Klimo P Jr. Image Guidance in Ventricular Cerebrospinal Fluid Shunt Catheter Placement: A Systematic Review and Meta-Analysis. *Neurosurgery*. 2015 Sep;77(3):321-31; discussion 331. doi: 10.1227/NEU.0000000000000849. Review. PubMed PMID: 26103441.

202: Hochberg I, Tran QT, Barkan AL, Saltiel AR, Chandler WF, Bridges D. Gene Expression Signature in Adipose Tissue of Acromegaly Patients. *PLoS One*. 2015 Jun 18;10(6):e0129359. doi: 10.1371/journal.pone.0129359. eCollection 2015. PubMed PMID: 26087292; PubMed Central PMCID:

PMC4472931.

203: Nikas DC, Post AF, Choudhri AF, Mazzola CA, Mitchell L, Flannery AM; Pediatric Hydrocephalus Systematic Review and Evidence-Based Guidelines Task Force. Pediatric hydrocephalus: systematic literature review and evidence-based guidelines. Part 10: Change in ventricle size as a measurement of effective treatment of hydrocephalus. *J Neurosurg Pediatr*. 2014 Nov;14 Suppl 1:77-81. doi: 10.3171/2014.7.PEDS14330. Review. PubMed PMID: 25988786.

204: Tamber MS, Klimo P Jr, Mazzola CA, Flannery AM; Pediatric Hydrocephalus Systematic Review and Evidence-Based Guidelines Task Force. Pediatric hydrocephalus: systematic literature review and evidence-based guidelines. Part 8: Management of cerebrospinal fluid shunt infection. *J Neurosurg Pediatr*. 2014 Nov;14 Suppl 1:60-71. doi: 10.3171/2014.7.PEDS14328. Review. PubMed PMID: 25988784.

205: Klimo P Jr, Thompson CJ, Baird LC, Flannery AM; Pediatric Hydrocephalus Systematic Review and Evidence-Based Guidelines Task Force. Pediatric hydrocephalus: systematic literature review and evidence-based guidelines. Part 7: Antibiotic-impregnated shunt systems versus conventional shunts in children: a systematic review and meta-analysis. *J Neurosurg Pediatr*. 2014 Nov;14 Suppl 1:53-9. doi: 10.3171/2014.7.PEDS14327. Review. PubMed PMID: 25988783.

206: Klimo P Jr, Van Poppel M, Thompson CJ, Baird LC, Duhaime AC, Flannery AM; Pediatric Hydrocephalus Systematic Review and Evidence-Based Guidelines Task Force. Pediatric hydrocephalus: systematic literature review and evidence-based guidelines. Part 6: Preoperative antibiotics for shunt surgery in children with hydrocephalus: a systematic review and meta-analysis. *J Neurosurg Pediatr*. 2014 Nov;14 Suppl 1:44-52. doi: 10.3171/2014.7.PEDS14326. Review. Erratum in: *J Neurosurg Pediatr*. 2015 Aug;16(2):237-9. PubMed PMID: 25988782.

207: Baird LC, Mazzola CA, Auguste KI, Klimo P Jr, Flannery AM; Pediatric Hydrocephalus Systematic Review and Evidence-Based Guidelines Task Force. Pediatric hydrocephalus: systematic literature review and evidence-based guidelines. Part 5: Effect of valve type on cerebrospinal fluid shunt efficacy. *J Neurosurg Pediatr*. 2014 Nov;14 Suppl 1:35-43. doi: 10.3171/2014.7.PEDS14325. Review. PubMed PMID: 25988781.

208: Limbrick DD Jr, Baird LC, Klimo P Jr, Riva-Cambrin J, Flannery AM; Pediatric Hydrocephalus Systematic Review and Evidence-Based Guidelines Task Force. Pediatric hydrocephalus: systematic literature review and evidence-based guidelines. Part 4: Cerebrospinal fluid shunt or endoscopic third ventriculostomy for the treatment of hydrocephalus in children. *J Neurosurg Pediatr*. 2014 Nov;14 Suppl 1:30-4. doi: 10.3171/2014.7.PEDS14324. Review. PubMed PMID: 25988780.

209: Mazzola CA, Choudhri AF, Auguste KI, Limbrick DD Jr, Rogido M, Mitchell L, Flannery AM; Pediatric Hydrocephalus Systematic Review and Evidence-Based Guidelines Task Force. Pediatric hydrocephalus: systematic literature review and evidence-based guidelines. Part 2: Management of posthemorrhagic hydrocephalus in premature infants. *J Neurosurg Pediatr*. 2014 Nov;14 Suppl 1:8-23. doi: 10.3171/2014.7.PEDS14322. Review. PubMed PMID: 25988778.

210: Flannery AM, Mazzola CA, Klimo P Jr, Duhaime AC, Baird LC, Tamber MS, Limbrick DD Jr, Nikas DC, Kemp J, Post AF, Auguste KI, Choudhri AF, Mitchell LS, Buffa D. Foreword: Pediatric hydrocephalus: systematic literature review and evidence-based guidelines. *J Neurosurg Pediatr*. 2014 Nov;14 Suppl 1:1-2. doi: 10.3171/2014.8.PEDS14426. PubMed PMID: 25988776.

211: Choudhri AF, Siddiqui A, Khan NR, Cohen HL. Understanding bibliometric parameters and

analysis. *Radiographics*. 2015 May-Jun;35(3):736-46. doi: 10.1148/rg.2015140036. PubMed PMID: 25969932.

212: Abramson ZR, Susarla SM, Lawler ME, Choudhri AF, Peacock ZS. Geometry of anterior open bite correction. *J Craniofac Surg*. 2015 May;26(3):e223-5. doi: 10.1097/SCS.0000000000001440. PubMed PMID: 25950521.

213: Narenthiran G, Boop F. Print and electronic books and journals. *Childs Nerv Syst*. 2016 Jan;32(1):3-6. doi: 10.1007/s00381-015-2696-4. Epub 2015 Apr 10. PubMed PMID: 25861050.

214: Clement RC, Welander A, Stowell C, Cha TD, Chen JL, Davies M, Fairbank JC, Foley KT, Gehrchen M, Hagg O, Jacobs WC, Kahler R, Khan SN, Lieberman IH, Morisson B, Ohnmeiss DD, Peul WC, Shonnard NH, Smuck MW, Solberg TK, Stromqvist BH, Hooff ML, Wasan AD, Willems PC, Yeo W, Fritzell P. A proposed set of metrics for standardized outcome reporting in the management of low back pain. *Acta Orthop*. 2015;86(5):523-33. doi: 10.3109/17453674.2015.1036696. PubMed PMID: 25828191; PubMed Central PMCID: PMC4564773.

215: 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.

216: Tan QK, Stockton DW, Pivnick E, Choudhri AF, Hines-Dowell S, Pena LD, Deimling MA, Freemark MS, Kishnani PS. Premature pubarche in children with Pompe disease. *J Pediatr*. 2015 Apr;166(4):1075-8.e1. doi: 10.1016/j.jpeds.2014.12.074. Epub 2015 Feb 14. PubMed PMID: 25687635.

217: 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.

218: Hibar DP, Stein JL, Renteria ME, Arias-Vasquez A, Desrivieres S, Jahanshad N, Toro R, Wittfeld K, Abramovic L, Andersson M, Aribisala BS, Armstrong NJ, Bernard M, Bohlken MM, Boks MP, Bralten J, Brown AA, Chakravarty MM, Chen Q, Ching CR, Cuellar-Partida G, den Braber A, Giddaluru S, Goldman AL, Grimm O, Guadalupe T, Hass J, Woldehawariat G, Holmes AJ, Hoogman M, Janowitz D, Jia T, Kim S, Klein M, Kraemer B, Lee PH, Olde Loohuis LM, Luciano M, Macare C, Mather KA, Mattheisen M, Milaneschi Y, Nho K, Pappmeyer M, Ramasamy A, Risacher SL, Roiz-Santiañez R, Rose EJ, Salami A, Sämann PG, Schmaal L, Schork AJ, Shin J, Strike LT, Teumer A, van Donkelaar MM, van Eijk KR, Walters RK, Westlye LT, Whelan CD, Winkler AM, Zwiers MP, Alhusaini S, Athanasiu L, Ehrlich S, Hakobjan MM, Hartberg CB, Haukvik UK, Heister AJ, Hoehn D, Kasperaviciute D, Liewald DC, Lopez LM, Makkinje RR, Matarin M, Naber MA, McKay DR, Needham M, Nugent AC, Pütz B, Royle NA, Shen L, Sprooten E, Trabzuni D, van der Marel SS, van Hulzen KJ, Walton E, Wolf C, Almasy L, Ames D, Arepalli S, Assareh AA, Bastin ME, Brodaty H, Bulayeva KB, Carless MA, Cichon S, Corvin A, Curran JE, Czisch M, de Zubicaray GI, Dillman A, Duggirala R, Dyer TD, Erk S, Fedko IO, Ferrucci L, Foroud TM, Fox PT, Fukunaga M, Gibbs JR, Göring HH, Green RC, Guelfi S, Hansell NK, Hartman CA, Hegenscheid K, Heinz A, Hernandez DG, Heslenfeld DJ, Hoekstra PJ, Holsboer F, Homuth G, Hottenga JJ, Ikeda M, Jack CR Jr, Jenkinson M, Johnson R, Kanai R, Keil M, Kent JW Jr, Kochunov P, Kwok JB, Lawrie SM, Liu X, Longo DL, McMahon KL, Meisenzahl E, Melle I, Mohnke S, Montgomery GW, Mostert JC, Mühleisen TW, Nalls MA, Nichols TE, Nilsson LG, Nöthen MM, Ohi K, Olvera RL, Perez-Iglesias R, Pike GB, Potkin SG, Reinvang I, Reppermund S, Rietschel M, Romanczuk-Seiferth N, Rosen GD, Rujescu D, Schnell K, Schofield PR,

Smith C, Steen VM, Sussmann JE, Thalamuthu A, Toga AW, Traynor BJ, Troncoso J, Turner JA, Valdés Hernández MC, van 't Ent D, van der Brug M, van der Wee NJ, van Tol MJ, Veltman DJ, Wassink TH, Westman E, Zielke RH, Zonderman AB, Ashbrook DG, Hager R, Lu L, McMahon FJ, Morris DW, Williams RW, Brunner HG, Buckner RL, Buitelaar JK, Cahn W, Calhoun VD, Cavalleri GL, Crespo-Facorro B, Dale AM, Davies GE, Delanty N, Depondt C, Djurovic S, Drevets WC, Espeseth T, Gollub RL, Ho BC, Hoffmann W, Hosten N, Kahn RS, Le Hellard S, Meyer-Lindenberg A, Müller-Myhsok B, Nauck M, Nyberg L, Pandolfo M, Penninx BW, Roffman JL, Sisodiya SM, Smoller JW, van Bokhoven H, van Haren NE, Völzke H, Walter H, Weiner MW, Wen W, White T, Agartz I, Andreassen OA, Blangero J, Boomsma DI, Brouwer RM, Cannon DM, Cookson MR, de Geus EJ, Deary IJ, Donohoe G, Fernández G, Fisher SE, Francks C, Glahn DC, Grabe HJ, Gruber O, Hardy J, Hashimoto R, Hulshoff Pol HE, Jönsson EG, Kloszewska I, Lovestone S, Mattay VS, Mecocci P, McDonald C, McIntosh AM, Ophoff RA, Paus T, Pausova Z, Ryten M, Sachdev PS, Saykin AJ, Simmons A, Singleton A, Soininen H, Wardlaw JM, Weale ME, Weinberger DR, Adams HH, Launer LJ, Seiler S, Schmidt R, Chauhan G, Satizabal CL, Becker JT, Yanek L, van der Lee SJ, Ebling M, Fischl B, Longstreth WT Jr, Greve D, Schmidt H, Nyquist P, Vinke LN, van Duijn CM, Xue L, Mazoyer B, Bis JC, Gudnason V, Seshadri S, Ikram MA; Alzheimer's Disease Neuroimaging Initiative; CHARGE Consortium; EPIGEN; IMAGEN; SYS, Martin NG, Wright MJ, Schumann G, Franke B, Thompson PM, Medland SE. Common genetic variants influence human subcortical brain structures. *Nature*. 2015 Apr 9;520(7546):224-9. doi: 10.1038/nature14101. Epub 2015 Jan 21. PubMed PMID: 25607358; PubMed Central PMCID: PMC4393366.

219: Sullivan MN, Gonzales AL, Pires PW, Bruhl A, Leo MD, Li W, Oulidi A, Boop FA, Feng Y, Jaggar JH, Welsh DG, Earley S. Localized TRPA1 channel Ca²⁺ signals stimulated by reactive oxygen species promote cerebral artery dilation. *Sci Signal*. 2015 Jan 6;8(358):ra2. doi: 10.1126/scisignal.2005659. PubMed PMID: 25564678; PubMed Central PMCID: PMC4745898.

220: Chyu MC, Austin T, Calisir F, Chanjaplammoottil S, Davis MJ, Favela J, Gan H, Gefen A, Haddas R, Hahn-Goldberg S, Hornero R, Huang YL, Jensen Ø, Jiang Z, Katsanis JS, Lee JA, Lewis G, Lovell NH, Luebbbers HT, Morales GG, Matis T, Matthews JT, Mazur L, Ng EY, Oommen KJ, Ormand K, Rohde T, Sánchez-Morillo D, Sanz-Calcedo JG, Sawan M, Shen CL, Shieh JS, Su CT, Sun L, Sun M, Sun Y, Tewolde SN, Williams EA, Yan C, Zhang J, Zhang YT. Healthcare Engineering Defined: A White Paper. *J Healthc Eng*. 2015;6(4):635-47. doi: 10.1260/2040-2295.6.4.635. PubMed PMID: 27010831.

221: Khan NR, Lee SL, Brown M, Reding J, Angotti J, Lepard J, Gabrick K, Klimo P Jr, Michael LM 2nd. Highly cited works in skull base neurosurgery. *World Neurosurg*. 2015 Apr;83(4):403-18. doi: 10.1016/j.wneu.2014.12.005. Epub 2014 Dec 11. PubMed PMID: 25497577.

222: Playa H, Lewis TA, Ting A, Suh BC, Muñoz B, Matuza R, Passer BJ, Schreiber SL, Buolamwini JK. Dilazep analogues for the study of equilibrative nucleoside transporters 1 and 2 (ENT1 and ENT2). *Bioorg Med Chem Lett*. 2014 Dec 15;24(24):5801-5804. doi: 10.1016/j.bmcl.2014.10.026. Epub 2014 Oct 28. PubMed PMID: 25454272; PubMed Central PMCID: PMC5695681.

223: Narayana S, Rezaie R, McAfee SS, Choudhri AF, Babajani-Feremi A, Fulton S, Boop FA, Wheless JW, Papanicolaou AC. Assessing motor function in young children with transcranial magnetic stimulation. *Pediatr Neurol*. 2015 Jan;52(1):94-103. doi: 10.1016/j.pediatrneurol.2014.08.031. Epub 2014 Sep 18. PubMed PMID: 25439485.

224: Tsui K, Gajjar A, Li C, Srivastava D, Broniscer A, Wetmore C, Kun LE, Merchant TE, Ellison DW, Orr BA, Boop FA, Klimo P, Ross J, Robison LL, Armstrong GT. Subsequent neoplasms in survivors of childhood central nervous system tumors: risk after modern multimodal therapy. *Neuro Oncol*. 2015 Mar;17(3):448-56. doi: 10.1093/neuonc/nou279. Epub 2014 Nov 13. PubMed PMID: 25395462;

PubMed Central PMCID: PMC4483102.

225: Fox B, Humphries WE, Doss VT, Hoit D, Elijovich L, Arthur AS. Rupture of giant vertebrobasilar aneurysm following flow diversion: mechanical stretch as a potential mechanism for early aneurysm rupture. *J Neurointerv Surg*. 2015 Nov;7(11):e37. doi: 10.1136/neurintsurg-2014-011325.rep. Epub 2014 Oct 31. PubMed PMID: 25361560.

226: Whitehead MT, Oh C, Raju A, Choudhri AF. Physiologic pineal region, choroid plexus, and dural calcifications in the first decade of life. *AJNR Am J Neuroradiol*. 2015 Mar;36(3):575-80. doi: 10.3174/ajnr.A4153. Epub 2014 Oct 29. PubMed PMID: 25355815.

227: Fox B, Humphries WE, Doss VT, Hoit D, Elijovich L, Arthur AS. Rupture of giant vertebrobasilar aneurysm following flow diversion: mechanical stretch as a potential mechanism for early aneurysm rupture. *BMJ Case Rep*. 2014 Oct 29;2014. pii: bcr2014011325. doi: 10.1136/bcr-2014-011325. PubMed PMID: 25355741; PubMed Central PMCID: PMC4216898.

228: Narayana S, Papanicolaou AC, McGregor A, Boop FA, Wheless JW. Clinical Applications of Transcranial Magnetic Stimulation in Pediatric Neurology. *J Child Neurol*. 2015 Aug;30(9):1111-24. doi: 10.1177/0883073814553274. Epub 2014 Oct 23. Review. PubMed PMID: 25342309.

229: Choudhri AF, Patel RM, Wilroy RS, Pivnick EK, Whitehead MT. Trigeminal nerve agenesis with absence of foramina rotunda in Gómez-López-Hernández syndrome. *Am J Med Genet A*. 2015 Jan;167A(1):238-42. doi: 10.1002/ajmg.a.36830. Epub 2014 Oct 22. PubMed PMID: 25339626.

230: 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.

231: Khan NR, Thompson CJ, DeCuypere M, Angotti JM, Kalobwe E, Muhlbauer MS, Camillo FX, Klimo P Jr. A meta-analysis of spinal surgical site infection and vancomycin powder. *J Neurosurg Spine*. 2014 Dec;21(6):974-83. doi: 10.3171/2014.8.SPINE1445. Epub 2014 Sep 26. Review. PubMed PMID: 25259555.

232: Tsivgoulis G, Katsanos AH, Butcher KS, Boviatsis E, Triantafyllou N, Rizos I, Alexandrov AV. Intensive blood pressure reduction in acute intracerebral hemorrhage: a meta-analysis. *Neurology*. 2014 Oct 21;83(17):1523-9. doi: 10.1212/WNL.0000000000000917. Epub 2014 Sep 19. Review. Erratum in: *Neurology*. 2015 Jun 16;84(24):2466. PubMed PMID: 25239836.

233: 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.

234: Choudhri AF, Chin EM, Klimo P, Boop FA. Spatial distortion due to field inhomogeneity in 3.0 tesla intraoperative MRI. *Neuroradiol J*. 2014 Sep;27(4):387-92. doi: 10.15274/NRJ-2014-10081. Epub 2014 Aug 29. PubMed PMID: 25196608; PubMed Central PMCID: PMC4236867.

235: Rezaie R, Narayana S, Schiller K, Birg L, Wheless JW, Boop FA, Papanicolaou AC. Assessment of hemispheric dominance for receptive language in pediatric patients under sedation using magnetoencephalography. *Front Hum Neurosci*. 2014 Aug 21;8:657. doi: 10.3389/fnhum.2014.00657.

eCollection 2014. PubMed PMID: 25191260; PubMed Central PMCID: PMC4140211.

236: Venable GT, Shepherd BA, Roberts ML, Taylor DR, Khan NR, Klimo P Jr. An application of Bradford's law: identification of the core journals of pediatric neurosurgery and a regional comparison of citation density. *Childs Nerv Syst*. 2014 Oct;30(10):1717-27. doi: 10.1007/s00381-014-2481-9. Epub 2014 Aug 7. PubMed PMID: 25098356.

237: Lakičević G, Arnautović K, Mužević D, Chesney T. Cerebellar glioblastoma multiforme presenting as hypertensive cerebellar hemorrhage: case report. *J Neurol Surg Rep*. 2014 Aug;75(1):e117-21. doi: 10.1055/s-0034-1376198. Epub 2014 May 28. PubMed PMID: 25097829; PubMed Central PMCID: PMC4110145.

238: Krutilina R, Sun W, Sethuraman A, Brown M, Seagroves TN, Pfeffer LM, Ignatova T, Fan M. MicroRNA-18a inhibits hypoxia-inducible factor 1 α activity and lung metastasis in basal breast cancers. *Breast Cancer Res*. 2014 Jul 28;16(4):R78. doi: 10.1186/bcr3693. PubMed PMID: 25069832; PubMed Central PMCID: PMC4405876.

239: Choudhri AF, Klimo P Jr, Auschwitz TS, Whitehead MT, Boop FA. 3T intraoperative MRI for management of pediatric CNS neoplasms. *AJNR Am J Neuroradiol*. 2014 Dec;35(12):2382-7. doi: 10.3174/ajnr.A4040. Epub 2014 Jul 24. PubMed PMID: 25059696.

240: Abramo TJ, Meredith M, Jaeger M, Schneider B, Bagwell H, Ocal E, Albert G. Cerebral oximetry with blood volume index in asystolic pediatric cerebrospinal fluid malfunctioning shunt patients. *Am J Emerg Med*. 2014 Nov;32(11):1439.e1-7. doi: 10.1016/j.ajem.2014.04.007. Epub 2014 Apr 16. PubMed PMID: 24856750.

241: Pagni M, Khan NR, Cohen HL, Choudhri AF. Highly cited works in radiology: the top 100 cited articles in radiologic journals. *Acad Radiol*. 2014 Aug;21(8):1056-66. doi: 10.1016/j.acra.2014.03.011. Epub 2014 May 13. PubMed PMID: 24833569.

242: Papanicolaou AC, Rezaie R, Narayana S, Choudhri AF, Wheless JW, Castillo EM, Baumgartner JE, Boop FA. Is it time to replace the Wada test and put awake craniotomy to sleep? *Epilepsia*. 2014 May;55(5):629-32. doi: 10.1111/epi.12569. Epub 2014 May 9. PubMed PMID: 24815532.

243: Boucher AB, Michael LM 2nd. The middle fossa approach for the removal of a trochlear schwannoma. *Case Rep Neurol Med*. 2014;2014:672314. doi: 10.1155/2014/672314. Epub 2014 Mar 12. PubMed PMID: 24716021; PubMed Central PMCID: PMC3970351.

244: Choudhri AF, Chin EM, Blitz AM, Gandhi D. Diffusion tensor imaging of cerebral white matter: technique, anatomy, and pathologic patterns. *Radiol Clin North Am*. 2014 Mar;52(2):413-25. doi: 10.1016/j.rcl.2013.11.005. Review. PubMed PMID: 24582347.

245: Leo MD, Bannister JP, Narayanan D, Nair A, Grubbs JE, Gabrick KS, Boop FA, Jaggar JH. Dynamic regulation of β 1 subunit trafficking controls vascular contractility. *Proc Natl Acad Sci U S A*. 2014 Feb 11;111(6):2361-6. doi: 10.1073/pnas.1317527111. Epub 2014 Jan 24. PubMed PMID: 24464482; PubMed Central PMCID: PMC3926029.

246: Klimo P Jr, Jha T, Choudhri AF, Joyner R, Michael LM 2nd. Fibromyxoma of the lateral skull base in a child: case report. *J Neurol Surg Rep*. 2013 Dec;74(2):105-10. doi: 10.1055/s-0033-1351115. Epub 2013 Jul 30. PubMed PMID: 24303345; PubMed Central PMCID: PMC3836972.

247: Khan N, Klimo P Jr, Harreld J, Armstrong GT, Michael LM 2nd. Mature teratoma of the petrous bone with extension into the cerebellopontine angle: case report. *J Neurol Surg Rep.* 2013 Dec;74(2):96-100. doi: 10.1055/s-0033-1349203. Epub 2013 Jul 23. PubMed PMID: 24294566; PubMed Central PMCID: PMC3836897.

248: Venable GT, Khan NR, Taylor DR, Thompson CJ, Michael LM, Klimo P Jr. A correlation between National Institutes of Health funding and bibliometrics in neurosurgery. *World Neurosurg.* 2014 Mar-Apr;81(3-4):468-72. doi: 10.1016/j.wneu.2013.11.013. Epub 2013 Nov 13. PubMed PMID: 24239737.

249: Choudhri AF, Narayana S, Rezaie R, Whitehead MT, McAfee SS, Wheless JW, Boop FA, Papanicolaou AC. Same day tri-modality functional brain mapping prior to resection of a lesion involving eloquent cortex: technical feasibility. *Neuroradiol J.* 2013 Oct;26(5):548-54. Epub 2013 Nov 7. PubMed PMID: 24199815; PubMed Central PMCID: PMC4202830.

250: Doss VT, Arthur AS, Watridge C, Elijovich L. Acute carotid stenting for treatment of stuttering transient ischemic attacks after recent carotid endarterectomy. *J Neurointerv Surg.* 2014 Jul;6(6):e35. doi: 10.1136/neurintsurg-2013-010766.rep. Epub 2013 Oct 22. PubMed PMID: 24151113.

251: Khan NR, Auschwitz T, McAbee JH, Boop FA, Klimo P Jr. Highly cited publications in pediatric neurosurgery: part 2. *Childs Nerv Syst.* 2013 Dec;29(12):2215-28. doi: 10.1007/s00381-013-2293-3. Epub 2013 Oct 11. PubMed PMID: 24113776; PubMed Central PMCID: PMC4530008.

252: Wheless JW, Klimo P Jr. Subependymal giant cell astrocytomas in patients with tuberous sclerosis complex: considerations for surgical or pharmacotherapeutic intervention. *J Child Neurol.* 2014 Nov;29(11):1562-71. doi: 10.1177/0883073813501870. Epub 2013 Oct 7. Review. PubMed PMID: 24105488.

253: Elijovich L, Doss VT, Theessen H, Khan M, Arthur AS. Intraprocedural parenchymal blood volume as a marker of reperfusion status in acute ischemic stroke intervention. *J Neurointerv Surg.* 2014 Jul;6(6):e36. doi: 10.1136/neurintsurg-2013-010756.rep. Epub 2013 Aug 30. PubMed PMID: 23997122.

254: Helms J, Michael LM 2nd. Large dumbbell-shaped c1 schwannoma presenting as a foramen magnum mass. *J Neurol Surg Rep.* 2012 Oct;73(1):32-6. doi: 10.1055/s-0032-1311757. Epub 2012 Apr 20. PubMed PMID: 23946923; PubMed Central PMCID: PMC3658648.

255: Wilcox MA, Khan NR, McAbee JH, Boop FA, Klimo P Jr. Highly cited publications in pediatric neurosurgery. *Childs Nerv Syst.* 2013 Dec;29(12):2201-13. doi: 10.1007/s00381-013-2228-z. Epub 2013 Jul 31. PubMed PMID: 23900628; PubMed Central PMCID: PMC4530009.

256: Khan NR, Thompson CJ, Taylor DR, Gabrick KS, Choudhri AF, Boop FR, Klimo P Jr. Part II: Should the h-index be modified? An analysis of the m-quotient, contemporary h-index, authorship value, and impact factor. *World Neurosurg.* 2013 Dec;80(6):766-74. doi: 10.1016/j.wneu.2013.07.011. Epub 2013 Jul 23. PubMed PMID: 23886815.

257: Khan N, Thompson CJ, Choudhri AF, Boop FA, Klimo P Jr. Part I: The application of the h-index to groups of individuals and departments in academic neurosurgery. *World Neurosurg.* 2013 Dec;80(6):759-765.e3. doi: 10.1016/j.wneu.2013.07.010. Epub 2013 Jul 18. PubMed PMID: 23872122.

258: Taylor DR, Wait SD, Wheless JW, Boop FA. Amygdalar neuromelanosis intractable epilepsy without leptomeningeal involvement. *J Neurosurg Pediatr.* 2013 Jul;12(1):21-4. doi: 10.3171/2013.3.PEDS12502. Epub 2013 May 3. PubMed PMID: 23641959.

259: Templeton JP, Freeman NE, Nickerson JM, Jablonski MM, Rex TS, Williams RW, Geisert EE. Innate

immune network in the retina activated by optic nerve crush. *Invest Ophthalmol Vis Sci.* 2013 Apr 9;54(4):2599-606. doi: 10.1167/iovs.12-11175. PubMed PMID: 23493296; PubMed Central PMCID: PMC3629889.

260: Li W, Wait SD, Ogg RJ, Scoggins MA, Zou P, Wheless J, Boop FA. Functional magnetic resonance imaging of the visual cortex performed in children under sedation to assist in presurgical planning. *J Neurosurg Pediatr.* 2013 May;11(5):543-6. doi: 10.3171/2013.1.PEDS12401. Epub 2013 Mar 8. PubMed PMID: 23473057.

261: Klimo P Jr, DeCuypere M, Ragel BT, McCartney S, Couldwell WT, Boop FA. Career satisfaction and burnout among U.S. neurosurgeons: a feasibility and pilot study. *World Neurosurg.* 2013 Nov;80(5):e59-68. doi: 10.1016/j.wneu.2012.09.009. Epub 2012 Sep 25. PubMed PMID: 23022641.

262: Templeton JP, Geisert EE. A practical approach to optic nerve crush in the mouse. *Mol Vis.* 2012;18:2147-52. Epub 2012 Jul 27. PubMed PMID: 22876142; PubMed Central PMCID: PMC3413441.

263: Decuypere M, Klimo P Jr. Spectrum of traumatic brain injury from mild to severe. *Surg Clin North Am.* 2012 Aug;92(4):939-57, ix. doi: 10.1016/j.suc.2012.04.005. Epub 2012 Jun 5. Review. PubMed PMID: 22850156.

264: Oliver TA, Sorensen M, Arthur AS. Endovascular treatment for acute paraplegia after epidural steroid injection in a patient with spinal dural arteriovenous malformation. *J Neurosurg Spine.* 2012 Sep;17(3):251-5. doi: 10.3171/2012.6.SPINE11835. Epub 2012 Jul 6. PubMed PMID: 22769730.

265: Van Poppel M, Wheless JW, Clarke DF, McGregor A, McManis MH, Perkins FF Jr, Van Poppel K, Fulton S, Boop FA. Passive language mapping with magnetoencephalography in pediatric patients with epilepsy. *J Neurosurg Pediatr.* 2012 Aug;10(2):96-102. doi: 10.3171/2012.4.PEDS11301. Epub 2012 Jun 22. PubMed PMID: 22725975.

266: Buechner D, Gelfand MS, Cleveland KO. Percutaneous transluminal angioplasty in a patient with vasospasm due to staphylococcal meningitis. *J Neurosurg.* 2012 Jul;117(1):103-6. doi: 10.3171/2012.4.JNS111549. Epub 2012 May 11. PubMed PMID: 22577745.

267: Schrock SD, Harraway-Smith C. Labor analgesia. *Am Fam Physician.* 2012 Mar 1;85(5):447-54. Review. PubMed PMID: 22534222.

268: Sullivan TA, Geisert EE, Templeton JP, Rex TS. Dose-dependent treatment of optic nerve crush by exogenous systemic mutant erythropoietin. *Exp Eye Res.* 2012 Mar;96(1):36-41. doi: 10.1016/j.exer.2012.01.006. Epub 2012 Jan 27. PubMed PMID: 22306016; PubMed Central PMCID: PMC3350094.

269: Robertson JH, Sorenson JM. The visual dimensions of future neurosurgical education. *World Neurosurg.* 2011 Dec;76(6):492-6. doi: 10.1016/j.wneu.2011.10.027. PubMed PMID: 22251490.

270: Timmons SD, Bee T, Webb S, Diaz-Arrastia RR, Hesdorffer D. Using the abbreviated injury severity and Glasgow Coma Scale scores to predict 2-week mortality after traumatic brain injury. *J Trauma.* 2011 Nov;71(5):1172-8. doi: 10.1097/TA.0b013e31822b0f4b. PubMed PMID: 22071922.

271: Oliver TA, Hoehn ME, Boop F, Ellison DW. pituitary neuroendocrine tumor causing visual disturbances in a 6-year-old girl. *J AAPOS.* 2011 Oct;15(5):495-8. doi: 10.1016/j.jaapos.2011.05.013. Epub 2011 Sep 29. PubMed PMID: 21958905.

272: Broadway SJ, Ogg RJ, Scoggins MA, Sanford R, Patay Z, Boop FA. Surgical management of tumors producing the thalamopeduncular syndrome of childhood. *J Neurosurg Pediatr.* 2011 Jun;7(6):589-95. doi: 10.3171/2011.4.PEDS119. PubMed PMID: 21631193; PubMed Central PMCID: PMC3531960.

273: Kimball BY, Sorenson JM, Cunningham D. Repeat Gamma Knife surgery for trigeminal neuralgia: long-term results. *J Neurosurg.* 2010 Dec;113 Suppl:178-83. PubMed PMID: 21121800.

274: Jones TS, Holland EC. Molecular pathogenesis of malignant glial tumors. *Toxicol Pathol.* 2011 Jan;39(1):158-66. doi: 10.1177/0192623310387617. Epub 2010 Nov 15. PubMed PMID: 21078918.

275: Mazumder SA, Cleveland KO. Cryptococcal meningitis after neurosurgery. *Am J Med Sci.* 2010 Jun;339(6):582-3. PubMed PMID: 20545015.

276: Spentzas T, Escue JE, Patters AB, Varelas PN. Brain tumor resection in children: neurointensive care unit course and resource utilization. *Pediatr Crit Care Med.* 2010 Nov;11(6):718-22. doi: 10.1097/PCC.0b013e3181d907fa. PubMed PMID: 20308930.

277: Sanford RA. Prevention of growing skull fractures: report of 2 cases. *J Neurosurg Pediatr.* 2010 Feb;5(2):213-8. doi: 10.3171/2009.9.PEDS09180. PubMed PMID: 20121375.

278: Attia RR, Connaughton S, Boone LR, Wang F, Elam MB, Ness GC, Cook GA, Park EA. Regulation of pyruvate dehydrogenase kinase 4 (PDK4) by thyroid hormone: role of the peroxisome proliferator-activated receptor gamma coactivator (PGC-1 alpha). *J Biol Chem.* 2010 Jan 22;285(4):2375-85. doi: 10.1074/jbc.M109.039081. Epub 2009 Nov 30. PubMed PMID: 19948729; PubMed Central PMCID: PMC2807296.

279: Wheless JW. Managing severe epilepsy syndromes of early childhood. *J Child Neurol.* 2009 Aug;24(8 Suppl):24S-32S; quiz 33S-6S. doi: 10.1177/0883073809338153. Review. PubMed PMID: 19666880.

280: Templeton JP, Nassr M, Vazquez-Chona F, Freeman-Anderson NE, Orr WE, Williams RW, Geisert EE. Differential response of C57BL/6J mouse and DBA/2J mouse to optic nerve crush. *BMC Neurosci.* 2009 Jul 30;10:90. doi: 10.1186/1471-2202-10-90. PubMed PMID: 19643015; PubMed Central PMCID: PMC2727955.

281: Canale DJ, Watridge CB, Fuehrer TS, Robertson JH. The history of neurosurgery in Memphis: the Semmes-Murphey Clinic and the Department of Neurosurgery at the University of Tennessee College of Medicine. *J Neurosurg.* 2010 Jan;112(1):189-98. doi: 10.3171/2009.4.JNS09173. PubMed PMID: 19522575.

282: Williams RF, Magnotti LJ, Croce MA, Hargraves BB, Fischer PE, Schroepfel TJ, Zarzaur BL, Muhlbaier M, Timmons SD, Fabian TC. Impact of decompressive craniectomy on functional outcome after severe traumatic brain injury. *J Trauma.* 2009 Jun;66(6):1570-4; discussion 1574-6. doi: 10.1097/TA.0b013e3181a594c4. PubMed PMID: 19509616.

283: Akbar U, Jones T, Winestone J, Michael M, Shukla A, Sun Y, Duntsch C. Delivery of temozolomide to the tumor bed via biodegradable gel matrices in a novel model of intracranial glioma with resection. *J Neurooncol.* 2009 Sep;94(2):203-12. doi: 10.1007/s11060-009-9857-9. Epub 2009 Apr 1. PubMed PMID: 19337695.

284: Bryant JL, Roy S, Heck DH. A technique for stereotaxic recordings of neuronal activity in awake, head-restrained mice. *J Neurosci Methods.* 2009 Mar 30;178(1):75-9. doi: 10.1016/j.jneumeth.2008.11.014. Epub 2008 Nov 27. PubMed PMID: 19073214; PubMed Central

PMCID: PMC2728350.

285: Clarke DF, Boop FA, McGregor AL, Perkins FF Jr, Brewer VR, Wheless JW. Pediatric extratemporal epilepsy presenting with a complex auditory aura. *Epileptic Disord*. 2008 Jun;10(2):181-6. doi: 10.1684/epd.2008.0192. PubMed PMID: 18539574.

286: Robertson J, Timmons S. Non-invasive brainstem monitoring: the ocular microtremor. *Neurol Res*. 2007 Oct;29(7):709-11. doi: 10.1179/016164107x240198. Review. PubMed PMID: 18173910.

287: Foley KT, Mroz TE, Arnold PM, Chandler HC Jr, Dixon RA, Girasole GJ, Renkens KL Jr, Riew KD, Sasso RC, Smith RC, Tung H, Wecht DA, Whiting DM. Randomized, prospective, and controlled clinical trial of pulsed electromagnetic field stimulation for cervical fusion. *Spine J*. 2008 May-Jun;8(3):436-42. Epub 2007 Jul 17. PubMed PMID: 17983841.

288: Boop FA, Medhkour A, Honeycutt J, James C, Cherny WB, Duntsch C. In vitro testing of current spread during ventricular catheter coagulation using diathermy. Technical note. *J Neurosurg*. 2007 Feb;106(2 Suppl):165-8. PubMed PMID: 17330548.

289: Wang L, Kitai ST, Xiang Z. Activity-dependent bidirectional modification of inhibitory synaptic transmission in rat subthalamic neurons. *J Neurosci*. 2006 Jul 12;26(28):7321-7. PubMed PMID: 16837578.

290: Almefty R, Webber BL, Arnautovic KI. Intraneural perineurioma of the third cranial nerve: occurrence and identification. Case report. *J Neurosurg*. 2006 May;104(5):824-7. PubMed PMID: 16703891.

291: Glickstein JS, Chandra RK, Thompson JW. Intracranial complications of pediatric sinusitis. *Otolaryngol Head Neck Surg*. 2006 May;134(5):733-6. PubMed PMID: 16647525.

292: Robertson JT, Papadopoulos SM, Traynelis VC. Assessment of adjacent-segment disease in patients treated with cervical fusion or arthroplasty: a prospective 2-year study. *J Neurosurg Spine*. 2005 Dec;3(6):417-23. PubMed PMID: 16381202.

293: Duntsch C, Divi MK, Jones T, Zhou Q, Krishnamurthy M, Boehm P, Wood G, Sills A, Moore BM 2nd. Safety and efficacy of a novel cannabinoid chemotherapeutic, KM-233, for the treatment of high-grade glioma. *J Neurooncol*. 2006 Apr;77(2):143-52. Epub 2005 Nov 29. PubMed PMID: 16314952.

294: Wang L, Kitai ST, Xiang Z. Modulation of excitatory synaptic transmission by endogenous glutamate acting on presynaptic group II mGluRs in rat substantia nigra compacta. *J Neurosci Res*. 2005 Dec 15;82(6):778-87. PubMed PMID: 16273546.

295: Hanissian SH, Teng B, Akbar U, Janjetovic Z, Zhou Q, Duntsch C, Robertson JH. Regulation of myeloid leukemia factor-1 interacting protein (MLF1IP) expression in glioblastoma. *Brain Res*. 2005 Jun 14;1047(1):56-64. PubMed PMID: 15893739.

296: Xiang Z, Wang L, Kitai ST. Modulation of spontaneous firing in rat subthalamic neurons by 5-HT receptor subtypes. *J Neurophysiol*. 2005 Mar;93(3):1145-57. PubMed PMID: 15738272.

297: Duntsch C, Zhou Q, Weimar JD, Frankel B, Robertson JH, Pourmotabbed T. Up-regulation of neurogenesis generating glial progenitors that infiltrate rat intracranial glioma. *J Neurooncol*. 2005 Feb;71(3):245-55. PubMed PMID: 15735912.

- 298: Chandra RK, Kennedy DW, Palmer JN. Endoscopic management of failed frontal sinus obliteration. *Am J Rhinol*. 2004 Sep-Oct;18(5):279-84. PubMed PMID: 15586798.
- 299: Asano K, Duntsch CD, Zhou Q, Weimar JD, Bordelon D, Robertson JH, Pourmotabbed T. Correlation of N-cadherin expression in high grade gliomas with tissue invasion. *J Neurooncol*. 2004 Oct;70(1):3-15. PubMed PMID: 15527101.
- 300: Duntsch CD, Zhou Q, Jayakar HR, Weimar JD, Robertson JH, Pfeffer LM, Wang L, Xiang Z, Whitt MA. Recombinant vesicular stomatitis virus vectors as oncolytic agents in the treatment of high-grade gliomas in an organotypic brain tissue slice-glioma coculture model. *J Neurosurg*. 2004 Jun;100(6):1049-59. PubMed PMID: 15200120.
- 301: Chen H, Weber AJ. Brain-derived neurotrophic factor reduces TrkB protein and mRNA in the normal retina and following optic nerve crush in adult rats. *Brain Res*. 2004 Jun 11;1011(1):99-106. PubMed PMID: 15140649.
- 302: Hanissian SH, Akbar U, Teng B, Janjetovic Z, Hoffmann A, Hitzler JK, Iscove N, Hamre K, Du X, Tong Y, Mukatira S, Robertson JH, Morris SW. cDNA cloning and characterization of a novel gene encoding the MLF1-interacting protein MLF1IP. *Oncogene*. 2004 Apr 29;23(20):3700-7. PubMed PMID: 15116101.
- 303: Honig MG, Camilli SJ, Xue QS. Ectoderm removal prevents cutaneous nerve formation and perturbs sensory axon growth in the chick hindlimb. *Dev Biol*. 2004 Feb 1;266(1):27-42. PubMed PMID: 14729476.
- 304: Pearson PP, Li CX, Chappell TD, Waters RS. Delayed reorganization of the shoulder representation in forepaw barrel subfield (FBS) in first somatosensory cortex (SI) following forelimb deafferentation in adult rats. *Exp Brain Res*. 2003 Nov;153(1):100-12. Epub 2003 Aug 29. PubMed PMID: 12955377.
- 305: Robertson JT, Gunter BC, Somes GW. Racial differences in the incidence of gliomas: a retrospective study from Memphis, Tennessee. *Br J Neurosurg*. 2002 Dec;16(6):562-6. PubMed PMID: 12617237.
- 306: Foley KT, Lefkowitz MA. Advances in minimally invasive spine surgery. *Clin Neurosurg*. 2002;49:499-517. PubMed PMID: 12506566.
- 307: Canale DJ. Civil war medicine from the perspective of S. Weir Mitchell's "The case of George Dedlow". *J Hist Neurosci*. 2002 Mar;11(1):11-8. PubMed PMID: 12012570.
- 308: Zhang HT, Frith SA, Wilkins J, O'Donnell JM. Comparison of the effects of isoproterenol administered into the hippocampus, frontal cortex, or amygdala on behavior of rats maintained by differential reinforcement of low response rate. *Psychopharmacology (Berl)*. 2001 Dec;159(1):89-97. Epub 2001 Sep 6. PubMed PMID: 11797075.
- 309: Sachse D. Acromegaly. *Am J Nurs*. 2001 Nov;101(11):69-71, 73-5, 77. Review. PubMed PMID: 11718119.
- 310: Pearson PP, Arnold PB, Oladehin A, Li CX, Waters RS. Large-scale cortical reorganization following forelimb deafferentation in rat does not involve plasticity of intracortical connections. *Exp Brain Res*. 2001 May 1;138(1):8-25. PubMed PMID: 11374086.
- 311: Petersen MC, Palmer FB. Advances in prevention and treatment of cerebral palsy. *Ment Retard*

Dev Disabil Res Rev. 2001;7(1):30-7. Review. PubMed PMID: 11241880.

From:
<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:
https://neurosurgerywiki.com/wiki/doku.php?id=university_of_tennessee_health_science_center

Last update: **2024/06/07 02:56**

