

Birmingham

[Birmingham, Alabama.](#)

The Division of Neurosurgery at the University of Alabama at Birmingham was formally founded in [1954](#) under the leadership of James Garber Galbraith. The following 60 years would see neurosurgery at the forefront of the development of a nationally recognized medical center in the heart of Birmingham, Alabama. The Department of Neurosurgery now employs 14 faculty members, performs more than 4500 neurosurgical procedures annually, is active in clinical and laboratory research, and boasts a contemporary, comprehensive residency training program ¹⁾.

[Division of Pediatric Neurosurgery Children's Hospital Birmingham](#)

Aziz Q, Giamberardino MA, Barke A, Korwisi B, Baranowski AP, Wesselmann U, Rief W, Treede RD; IASP Taskforce for the Classification of Chronic Pain. The IASP classification of chronic pain for ICD-11: chronic secondary visceral pain. *Pain*. 2019 Jan;160(1):69-76. doi: 10.1097/j.pain.0000000000001362. PubMed PMID: 30586073.

2: Corley J, Lepard J, Barthélemy E, Ashby JL, Park KB. Essential Neurosurgical Workforce Needed to Address Neurotrauma in Low- and Middle-Income Countries. *World Neurosurg*. 2018 Dec 19. pii: S1878-8750(18)32865-1. doi: 10.1016/j.wneu.2018.12.042. [Epub ahead of print] PubMed PMID: 30579006.

3: Kord Valeshabad A, Xiao L, Amin-Hanjani S, Alsadi A, Valyi-Nagy T, Kim J. Sporadic Hemangioblastoma of the Cavernous Sinus and Meckel's Cave. *J Neurol Surg Rep*. 2018 Oct;79(4):e98-e102. doi: 10.1055/s-0038-1676455. Epub 2018 Dec 12. PubMed PMID: 30574445; PubMed Central PMCID: PMC6291399.

4: Lawrence BJ, Urbizu A, Allen PA, Loth F, Tubbs RS, Bunck AC, Kröger JR, Rocque BG, Madura C, Chen JA, Luciano MG, Ellenbogen RG, Oshinski JN, Iskandar BJ, Martin BA. Cerebellar tonsil ectopia measurement in type I Chiari malformation patients show poor inter-operator reliability. *Fluids Barriers CNS*. 2018 Dec 17;15(1):33. doi: 10.1186/s12987-018-0118-1. PubMed PMID: 30554565; PubMed Central PMCID: PMC6296028.

5: Walters BC. Commentary: Writing a Clinical Research Question. *Neurosurgery*. 2019 Jan 1;84(1):17-18. doi: 10.1093/neuros/nyy485. PubMed PMID: 30551189.

6: Kicieliński KP, Dupépe EB, Gordon AS, Mayo NE, Walters BC. What Isn't a Case-Control Study? *Neurosurgery*. 2018 Dec 13. doi: 10.1093/neuros/nyy591. [Epub ahead of print] PubMed PMID: 30544216.

7: Dupépe EB, Kicieliński KP, Gordon AS, Walters BC. What is a Case-Control Study? *Neurosurgery*. 2018 Dec 10. doi: 10.1093/neuros/nyy590. [Epub ahead of print] PubMed PMID: 30535401.

8: Law I, Albert NL, Arbizu J, Boellaard R, Drzezga A, Galldiks N, la Fougère C, Langen KJ, Lopci E, Lowe V, McConathy J, Quick HH, Sattler B, Schuster DM, Tonn JC, Weller M. Joint EANM/EANO/RANO practice

guidelines/SNMMI procedure standards for imaging of gliomas using PET with radiolabelled amino acids and [(18)F]FDG: version 1.0. Eur J Nucl Med Mol Imaging. 2018 Dec 5. doi: 10.1007/s00259-018-4207-9. [Epub ahead of print] PubMed PMID: 30519867.

9: Baek WK, Lachkar S, Iwanaga J, Oskouian RJ, Loukas M, Oakes WJ, Tubbs RS. Comprehensive Review of Spinal Neurenteric Cysts with a Focus on Histopathological Findings. Cureus. 2018 Sep 28;10(9):e3379. doi: 10.7759/cureus.3379. Review. PubMed PMID: 30519518; PubMed Central PMCID: PMC6263491.

10: Hopson B, Rocque BG, Joseph DB, Powell D, McLain ABJ, Davis RD, Wilson TS, Conklin MJ, Blount JP. The development of a lifetime care model in comprehensive spina bifida care. J Pediatr Rehabil Med. 2018;11(4):323-334. doi: 10.3233/PRM-180548. PubMed PMID: 30507593.

11: Conklin MJ, Hopson B, Arynchyna A, Atchley T, Trapp C, Rocque BG. Skin breakdown of the feet in patients with spina bifida: Analysis of risk factors. J Pediatr Rehabil Med. 2018;11(4):237-241. doi: 10.3233/PRM-170520. PubMed PMID: 30507590.

12: Atchley TJ, Dangle PP, Hopson BD, Graham A, Arynchyna AA, Rocque BG, Joseph DB, Wilson TS. Age and factors associated with self-clean intermittent catheterization in patients with spina bifida. J Pediatr Rehabil Med. 2018;11(4):283-291. doi: 10.3233/PRM-170518. PubMed PMID: 30507589.

13: Jeon YJ, Kim T, Park D, Nuovo GJ, Rhee S, Joshi P, Lee BK, Jeong J, Suh SS, Grotzke JE, Kim SH, Song J, Sim H, Kim Y, Peng Y, Jeong Y, Garofalo M, Zanesi N, Kim J, Liang G, Nakano I, Cresswell P, Nana-Sinkam P, Cui R, Croce CM. MicroRNA-mediated TUSC3 deficiency enhances UPR and ERAD to promote metastatic potential of NSCLC. Nat Commun. 2018 Nov 30;9(1):5110. doi: 10.1038/s41467-018-07561-8. PubMed PMID: 30504895; PubMed Central PMCID: PMC6269493.

14: Hegi ME, Genbrugge E, Gorlia T, Stupp R, Gilbert MR, Chinot OL, Nabors LB, Jones G, van Criekinge W, Straub J, Weller M. MGMT Promoter Methylation Cutoff with Safety Margin for Selecting Glioblastoma Patients into Trials Omitting Temozolomide. A Pooled Analysis of Four Clinical Trials. Clin Cancer Res. 2018 Dec 4. pii: clincanres.3181.2018. doi: 10.1158/1078-0432.CCR-18-3181. [Epub ahead of print] PubMed PMID: 30514777.

15: Tabibian BE, Salehani AA, Kuhn EN, Davis MC, Shank CD, Fisher IJ WS. Transitioning the Treatment Paradigm: How Early Palliative Care Service Involvement Affects the End-of-Life Course for Critically Ill Patients in the Neuro-Intensive Care Unit. J Palliat Med. 2018 Nov 29. doi: 10.1089/jpm.2018.0428. [Epub ahead of print] PubMed PMID: 30489190.

16: Bernstock JD, Wright Z, Bag AK, Gessler F, Gillespie GY, Markert JM, Friedman GK, Johnston JM. Stereotactic Placement of Intratumoral Catheters for Continuous Infusion Delivery of HSV-1 G207 in Pediatric Malignant Supratentorial Brain Tumors. World Neurosurg. 2018 Nov 24. pii: S1878-8750(18)32672-X. doi: 10.1016/j.wneu.2018.11.122. [Epub ahead of print] PubMed PMID: 30481622.

17: Prabhu AH, Kant S, Kesarwani P, Ahmed K, Forsyth P, Nakano I, Chinnaiyan P. Integrative cross-platform analyses identify enhanced heterotrophy as a metabolic hallmark in glioblastoma. Neuro Oncol. 2018 Nov 10. doi: 10.1093/neuonc/noy185. [Epub ahead of print] PubMed PMID: 30476237.

18: Liu Z, Che P, Mercado JJ, Hackney JR, Friedman GK, Zhang C, You Z, Zhao X, Ding Q, Kim K, Li H, Liu X, Markert JM, Nabors B, Gillespie GY, Zhao R, Han X. Characterization of iPSCs derived from Low-grade gliomas revealed early regional chromosomal amplifications during gliomagenesis. J Neurooncol. 2018 Nov 20. doi: 10.1007/s11060-018-03047-1. [Epub ahead of print] PubMed PMID: 30460631.

- 19: Vaskov AK, Irwin ZT, Nason SR, Vu PP, Nu CS, Bullard AJ, Hill M, North N, Patil PG, Chestek CA. Cortical Decoding of Individual Finger Group Motions Using ReFIT Kalman Filter. *Front Neurosci.* 2018 Nov 5;12:751. doi: 10.3389/fnins.2018.00751. eCollection 2018. PubMed PMID: 30455621; PubMed Central PMCID: PMC6231049.
- 20: Rotman LE, Vaughan TB, Hackney JR, Riley KO. Long-term survival following transformation of an adrenocorticotrophic hormone secreting pituitary macroadenoma to a silent corticotroph pituitary carcinoma: Case report. *World Neurosurg.* 2018 Nov 14. pii: S1878-8750(18)32558-0. doi: 10.1016/j.wneu.2018.11.011. [Epub ahead of print] PubMed PMID: 30447452.
- 21: Viswanathan VK, Rajaram Manoharan SR, Subramanian S, Moon A. Nanotechnology in Spine Surgery: a current update and critical review of literature. *World Neurosurg.* 2018 Nov 14. pii: S1878-8750(18)32582-8. doi: 10.1016/j.wneu.2018.11.035. [Epub ahead of print] Review. PubMed PMID: 30447449.
- 22: Hadley MN, Shank CD, Rozzelle CJ, Walters BC. In Reply: Guidelines for the Use of Electrophysiological Monitoring for Surgery of the Human Spinal Column and Spinal Cord. *Neurosurgery.* 2018 Nov 16. doi: 10.1093/neuros/nyy534. [Epub ahead of print] PubMed PMID: 30445551.
- 23: Nichol G, Polderman KH, Friberg H, Kurz M, Kapinos G. Perspectives on Temperature Management. *Ther Hypothermia Temp Manag.* 2018 Nov 15. doi: 10.1089/ther.2018.29052.gjn. [Epub ahead of print] PubMed PMID: 30431392.
- 24: Sokolowski JD, Ilyas A, Buell TJ, Taylor DG, Chen CJ, Ding D, Raper DMS, Liu KC. SMART coils for intracranial aneurysm embolization: Follow-up outcomes. *J Clin Neurosci.* 2018 Nov 7. pii: S0967-5868(18)31040-3. doi: 10.1016/j.jocn.2018.10.132. [Epub ahead of print] PubMed PMID: 30414808.
- 25: Hernandez A, Tan C, Plattner F, Logsdon AF, Pozo K, Yousuf MA, Singh T, Turner RC, Luke-Wold BP, Huber JD, Rosen CL, Bibb JA. Exposure to mild blast forces induces neuropathological effects, neurophysiological deficits and biochemical changes. *Mol Brain.* 2018 Nov 9;11(1):64. doi: 10.1186/s13041-018-0408-1. PubMed PMID: 30409147; PubMed Central PMCID: PMC6225689.
- 26: Ioachimescu AG, Fleseriu M, Hoffman AR, Vaughan lii TB, Katznelson L. Psychological effects of Dopamine Agonist Treatment in Patients with Hyperprolactinemia and Prolactin Secreting Adenomas. *Eur J Endocrinol.* 2018 Oct 1. pii: EJE-18-0682.R1. doi: 10.1530/EJE-18-0682. [Epub ahead of print] PubMed PMID: 30400048.
- 27: Sherrod BA, McClugage SG 3rd, Mortellaro VE, Aban IB, Rocque BG. Venous thromboembolism following inpatient pediatric surgery: Analysis of 153,220 patients. *J Pediatr Surg.* 2018 Oct 10. pii: S0022-3468(18)30616-X. doi: 10.1016/j.jpedsurg.2018.09.017. [Epub ahead of print] PubMed PMID: 30361075.
- 28: Katt WP, Blobel NJ, Komarova S, Antonyak MA, Nakano I, Cerione RA. A small molecule regulator of tissue transglutaminase conformation inhibits the malignant phenotype of cancer cells. *Oncotarget.* 2018 Sep 28;9(76):34379-34397. doi: 10.18632/oncotarget.26193. eCollection 2018 Sep 28. PubMed PMID: 30344949; PubMed Central PMCID: PMC6188150.
- 29: Middlebrooks EH, Tuna IS, Almeida L, Grewal SS, Wong J, Heckman MG, Lesser ER, Bredel M, Foote KD, Okun MS, Holanda VM. Structural connectivity-based segmentation of the thalamus and prediction of tremor improvement following thalamic deep brain stimulation of the ventral intermediate nucleus. *Neuroimage Clin.* 2018;20:1266-1273. doi: 10.1016/j.nicl.2018.10.009. Epub 2018 Oct 10. PubMed

PMID: 30318403.

30: 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.

31: Ilyas A, Przybylowski C, Chen CJ, Ding D, Foreman PM, Buell TJ, Taylor DG, Kalani MY, Park MS. Preoperative embolization of skull base meningiomas: A systematic review. *J Clin Neurosci*. 2018 Sep 29. pii: S0967-5868(18)30523-X. doi: 10.1016/j.jocn.2018.06.022. [Epub ahead of print] PubMed PMID: 30279120.

32: Estevez-Ordóñez D, Davis MC, Hopson B, Msha, Arynchyna A, Rocque BG, Fiegggen G, Rosseau G, Oakley G, Mspm, Blount JP. Reducing inequities in preventable neural tube defects: the critical and underutilized role of neurosurgical advocacy for folate fortification. *Neurosurg Focus*. 2018 Oct;45(4):E20. doi: 10.3171/2018.7.FOCUS18231. PubMed PMID: 30269587.

33: Rocque BG, Davis MC, McClugage SG 3rd, Tuan DA, King DT 3rd, Huong NT, Thi Bich Van N, Kankirawatana P, Vu Hung C, Nam Thang L, Johnston JM, Duc Lien N. Surgical treatment of epilepsy in Vietnam: program development and international collaboration. *Neurosurg Focus*. 2018 Oct;45(4):E3. doi: 10.3171/2018.7.FOCUS18254. PubMed PMID: 30269583.

34: Dewan MC, Baticulon RE, Rattani A, Johnston JM Jr, Warf BC, Harkness W. Pediatric neurosurgical workforce, access to care, equipment and training needs worldwide. *Neurosurg Focus*. 2018 Oct;45(4):E13. doi: 10.3171/2018.7.FOCUS18272. PubMed PMID: 30269579.

Shank CD, Lepard JR, Walters BC, Hadley MN. Towards [Evidence Based Guidelines](#) in Neurological Surgery. *Neurosurgery*. 2018 Sep 17. doi: 10.1093/neuros/nyy414. [Epub ahead of print] PubMed PMID: 30239922.

Pizarro D, Ilyas A, Toth E, Romeo A, Riley KO, Esteller R, Vlachos I, Pati S. Automated detection of [mesial temporal](#) and temporoperisylvian [seizures](#) in the [anterior thalamic nucleus](#). *Epilepsy Res*. 2018 Jul 23;146:17-20. doi: 10.1016/j.eplepsyres.2018.07.014. [Epub ahead of print] PubMed PMID: 30055392.

2: Duncan GA, Kim N, Colon-Cortes Y, Rodriguez J, Mazur M, Birket SE, Rowe SM, West NE, Livraghi-Butrico A, Boucher RC, Hanes J, Aslanidi G, Suk JS. An Adeno-Associated Viral Vector Capable of Penetrating the Mucus Barrier to Inhaled Gene Therapy. *Mol Ther Methods Clin Dev*. 2018 Mar 22;9:296-304. doi: 10.1016/j.omtm.2018.03.006. eCollection 2018 Jun 15. PubMed PMID: 30038933; PubMed Central PMCID: PMC6054694.

3: Le Rhun E, Genbrugge E, Stupp R, Chinot OL, Nabors LB, Cloughesy T, Reardon DA, Wick W, Gorlia T, Weller M. Associations of anticoagulant use with outcome in newly diagnosed glioblastoma. *Eur J Cancer*. 2018 Jul 20;101:95-104. doi: 10.1016/j.ejca.2018.06.029. [Epub ahead of print] PubMed PMID: 30036741.

4: Spinelli C, Montermini L, Meehan B, Brisson AR, Tan S, Choi D, Nakano I, Rak J. Molecular subtypes and differentiation programmes of glioma stem cells as determinants of extracellular vesicle profiles and endothelial cell-stimulating activities. *J Extracell Vesicles*. 2018 Jul 17;7(1):1490144. doi: 10.1080/20013078.2018.1490144. eCollection 2018. PubMed PMID: 30034643; PubMed Central PMCID: PMC6052423.

5: Gessler F, Bernstock JD, Behmanesh B, Brunnberg U, Harter P, Ye D, Friedman GK, Hansmann ML,

Wagner M, Seifert V, Weise L, Marquardt G. The Impact of Early Corticosteroid Pretreatment Before Initiation of Chemotherapy in Patients With Primary Central Nervous System Lymphoma. *Neurosurgery*. 2018 Jul 17. doi: 10.1093/neuros/nyy272. [Epub ahead of print] PubMed PMID: 30016483.

6: Toth E, Chaitanya G, Pogwizd M, Pizarro D, Ilyas A, Pogwizd S, Pati S. Dynamics of seizure-induced behavioral and autonomic arousal. *Clin Auton Res*. 2018 Jul 14. doi: 10.1007/s10286-018-0543-x. [Epub ahead of print] PubMed PMID: 30008021.

7: Solomon DA, Korshunov A, Sill M, Jones DTW, Kool M, Pfister SM, Fan X, Bannykh S, Hu J, Danielpour M, Li R, Johnston J, Cham E, Cooney T, Sun PP, Oberheim Bush NA, McDermott M, Van Ziffle J, Onodera C, Grenert JP, Bastian BC, Villanueva-Meyer JE, Pekmezci M, Bollen AW, Perry A. Myxoid glioneuronal tumor of the septum pellucidum and lateral ventricle is defined by a recurrent PDGFRA p.K385 mutation and DNT-like methylation profile. *Acta Neuropathol*. 2018 Jul 13. doi: 10.1007/s00401-018-1883-2. [Epub ahead of print] PubMed PMID: 30006677.

8: Jian X, Satizabal CL, Smith AV, Wittfeld K, Bis JC, Smith JA, Hsu FC, Nho K, Hofer E, Hagenaars SP, Nyquist PA, Mishra A, Adams HHH, Li S, Teumer A, Zhao W, Freedman BI, Saba Y, Yanek LR, Chauhan G, van Buchem MA, Cushman M, Royle NA, Bryan RN, Niessen WJ, Windham BG, DeStefano AL, Habes M, Heckbert SR, Palmer ND, Lewis CE, Eiriksdottir G, Maillard P, Mathias RA, Homuth G, Valdés-Hernández MDC, Divers J, Beiser AS, Langner S, Rice KM, Bastin ME, Yang Q, Maldjian JA, Starr JM, Sidney S, Risacher SL, Uitterlinden AG, Gudnason VG, Nauck M, Rotter JI, Schreiner PJ, Boerwinkle E, van Duijn CM, Mazoyer B, von Sarnowski B, Gottesman RF, Levy D, Sigurdsson S, Vernooij MW, Turner ST, Schmidt R, Wardlaw JM, Psaty BM, Mosley TH, DeCarli CS, Saykin AJ, Bowden DW, Becker DM, Deary IJ, Schmidt H, Kardia SLR, Ikram MA, DeBette S, Grabe HJ, Longstreth WT Jr, Seshadri S, Launer LJ, Fornage M; neuroCHARGE Working Group. Exome Chip Analysis Identifies Low-Frequency and Rare Variants in MRPL38 for White Matter Hyperintensities on Brain Magnetic Resonance Imaging. *Stroke*. 2018 Jul 12. pii: STROKEAHA.118.020689. doi: 10.1161/STROKEAHA.118.020689. [Epub ahead of print] PubMed PMID: 30002152.

9: Fujishiro T, Nonoguchi N, Pavliukov M, Ohmura N, Park Y, Kajimoto Y, Ishikawa T, Nakano I, Kuroiwa T. 5-aminolevulinic acid-mediated photodynamic therapy can target human glioma stem-like cells refractory to antineoplastic agents. *Photodiagnosis Photodyn Ther*. 2018 Jul 7. pii: S1572-1000(18)30185-6. doi: 10.1016/j.pdpdt.2018.07.004. [Epub ahead of print] PubMed PMID: 29990642.

10: Furey CG, Choi J, Jin SC, Zeng X, Timberlake AT, Nelson-Williams C, Mansuri MS, Lu Q, Duran D, Panchagnula S, Allocco A, Karimy JK, Khanna A, Gaillard JR, DeSpenza T, Antwi P, Loring E, Butler WE, Smith ER, Warf BC, Strahle JM, Limbrick DD, Storm PB, Heuer G, Jackson EM, Iskandar BJ, Johnston JM, Tikhonova I, Castaldi C, López-Giráldez F, Bjornson RD, Knight JR, Bilguvar K, Mane S, Alper SL, Haider S, Guclu B, Bayri Y, Sahin Y, Apuzzo MLJ, Duncan CC, DiLuna ML, Günel M, Lifton RP, Kahle KT. De Novo Mutation in Genes Regulating Neural Stem Cell Fate in Human Congenital Hydrocephalus. *Neuron*. 2018 Jul 25;99(2):302-314.e4. doi: 10.1016/j.neuron.2018.06.019. Epub 2018 Jul 5. PubMed PMID: 29983323.

11: Elsayed G, Erwood MS, Davis MC, Dupépe EC, McClugage SG 3rd, Szerlip P, Walters BC, Hadley MN. Association between preoperative activity level and functional outcome at 12 months following surgical decompression for lumbar spinal stenosis. *J Neurosurg Spine*. 2018 Jul 6:1-9. doi: 10.3171/2018.2.SPINE171028. [Epub ahead of print] PubMed PMID: 29979140.

12: Ilyas A, Chen CJ, Ding D, Foreman PM, Buell TJ, Ironside N, Taylor DG, Kalani MY, Park MS, Southerland AM, Worrall BB. In Reply to the Letter to the Editor Regarding "Endovascular Mechanical

Thrombectomy for Acute Ischemic Stroke Under General Anesthesia Versus Conscious Sedation: A Systematic Review and Meta-Analysis". *World Neurosurg.* 2018 Jul;115:489. doi: 10.1016/j.wneu.2018.04.111. PubMed PMID: 29958380.

13: Pavlyukov MS, Yu H, Bastola S, Minata M, Shender VO, Lee Y, Zhang S, Wang J, Komarova S, Wang J, Yamaguchi S, Alsheikh HA, Shi J, Chen D, Mohyeldin A, Kim SH, Shin YJ, Anufrieva K, Evtushenko EG, Antipova NV, Arapidi GP, Govorun V, Pestov NB, Shakhparonov MI, Lee LJ, Nam DH, Nakano I. Apoptotic Cell-Derived Extracellular Vesicles Promote Malignancy of Glioblastoma Via Intercellular Transfer of Splicing Factors. *Cancer Cell.* 2018 Jul 9;34(1):119-135.e10. doi: 10.1016/j.ccell.2018.05.012. Epub 2018 Jun 21. PubMed PMID: 29937354; PubMed Central PMCID: PMC6048596.

14: Pangeni RP, Zhang Z, Alvarez AA, Wan X, Sastry N, Lu S, Shi T, Huang T, Lei CX, James CD, Kessler JA, Brennan CW, Nakano I, Lu X, Hu B, Zhang W, Cheng SY. Genome-wide methylomic and transcriptomic analyses identify subtype-specific epigenetic signatures commonly dysregulated in glioma stem cells and glioblastoma. *Epigenetics.* 2018 Jun 21. doi: 10.1080/15592294.2018.1469892. [Epub ahead of print] PubMed PMID: 29927689.

15: Robertson FC, Lepard JR, Mekary RA, Davis MC, Yunusa I, Gormley WB, Baticulon RE, Mahmud MR, Misra BK, Rattani A, Dewan MC, Park KB. Epidemiology of central nervous system infectious diseases: a meta-analysis and systematic review with implications for neurosurgeons worldwide. *J Neurosurg.* 2018 Jun 15:1-20. doi: 10.3171/2017.10.JNS17359. [Epub ahead of print] PubMed PMID: 29905514.

16: Zhu D, Osuka S, Zhang Z, Reichert ZR, Yang L, Kanemura Y, Jiang Y, You S, Zhang H, Devi NS, Bhattacharya D, Takano S, Gillespie GY, Macdonald T, Tan C, Nishikawa R, Nelson WG, Olson JJ, Van Meir EG. BAI1 Suppresses Medulloblastoma Formation by Protecting p53 from Mdm2-Mediated Degradation. *Cancer Cell.* 2018 Jun 11;33(6):1004-1016.e5. doi: 10.1016/j.ccell.2018.05.006. PubMed PMID: 29894688; PubMed Central PMCID: PMC6002773.

17: Hadley MN, Shank CD, Rozzelle CJ, Walters BC. In Reply: Guidelines for the Use of Electrophysiological Monitoring for Surgery of the Human Spinal Column and Spinal Cord. *Neurosurgery.* 2018 Aug 1;83(2):E85-E86. doi: 10.1093/neuros/nyy232. PubMed PMID: 29893902.

18: Shen E, Wang Q, Rabe H, Liu W, Cantor H, Leavenworth JW. Chromatin remodeling by the NuRD complex regulates development of follicular helper and regulatory T cells. *Proc Natl Acad Sci U S A.* 2018 Jun 26;115(26):6780-6785. doi: 10.1073/pnas.1805239115. Epub 2018 Jun 11. PubMed PMID: 29891681; PubMed Central PMCID: PMC6042103.

19: Rocque BG, Agee BS, Thompson EM, Piedra M, Baird LC, Selden NR, Greene S, Deibert CP, Hankinson TC, Lew SM, Iskandar BJ, Bragg TM, Frim D, Grant G, Gupta N, Auguste KI, Nikas DC, Vassilyadi M, Muh CR, Wetjen NM, Lam SK. Complications following pediatric cranioplasty after decompressive craniectomy: a multicenter retrospective study. *J Neurosurg Pediatr.* 2018 Jun 8:1-8. doi: 10.3171/2018.3.PEDS17234. [Epub ahead of print] PubMed PMID: 29882736.

20: Adeeb N, Griessenauer CJ, Dmytriw AA, Shallwani H, Gupta R, Foreman PM, Shakir H, Moore J, Limbucci N, Mangiafico S, Kumar A, Michelozzi C, Zhang Y, Pereira VM, Matouk CC, Harrigan MR, Siddiqui AH, Levy EI, Renieri L, Marotta TR, Cognard C, Ogilvy CS, Thomas AJ. Risk of Branch Occlusion and Ischemic Complications with the Pipeline Embolization Device in the Treatment of Posterior Circulation Aneurysms. *AJNR Am J Neuroradiol.* 2018 Jul;39(7):1303-1309. doi: 10.3174/ajnr.A5696. Epub 2018 Jun 7. PubMed PMID: 29880475.

21: Tahir RA, Rotman LE, Davis MC, Dupépe EB, Kole MK, Rahman M, Williams CT, Pamboukian SV,

Bazydlo M, Walters BC. Corrigendum to "Intracranial Hemorrhage in Patients with a Left Ventricular Assist Device" [World Neurosurgery 113 (2018) e714-e721]. World Neurosurg. 2018 Aug;116:539. doi: 10.1016/j.wneu.2018.05.102. Epub 2018 Jun 2. PubMed PMID: 29866527.

22: Nayak JV, Rathor A, Grayson JW, Bravo DT, Velasquez N, Noel J, Beswick DM, Riley KO, Patel ZM, Cho DY, Dodd RL, Thamboo A, Choby GW, Walgama E, Harsh GR, Hwang PH, Clemons L, Lowman D, Richman JS, Woodworth BA. Porcine small intestine submucosal grafts improve remucosalization and progenitor cell recruitment to sites of upper airway tissue remodeling. Int Forum Allergy Rhinol. 2018 Jun 1. doi: 10.1002/alr.22156. [Epub ahead of print] PubMed PMID: 29856526.

23: 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.

24: Gilbert AN, Anderson JC, Duarte CW, Shevin RS, Langford CP, Singh R, Gillespie GY, Willey CD. Combinatorial Drug Testing in 3D Microtumors Derived from Glioblastoma Patient-Derived Xenografts Reveals Cytotoxic Synergy in Pharmacokinomics-informed Pathway Interactions. Sci Rep. 2018 May 30;8(1):8412. doi: 10.1038/s41598-018-26840-4. PubMed PMID: 29849102; PubMed Central PMCID: PMC5976646.

25: Kumar MA, Cao W, Pham HP, Raju D, Nawalinski K, Maloney Wilensky E, Schuster JM, Zheng XL. Relative Deficiency of Plasma ADAMTS13 Activity and Elevation of Human Neutrophil Peptides in Patients with Traumatic Brain Injury. J Neurotrauma. 2018 May 31. doi: 10.1089/neu.2018.5696. [Epub ahead of print] PubMed PMID: 29848170.

26: Olmez I, Zhang Y, Manigat L, Benamar M, Brenneman B, Nakano I, Godlewski J, Bronisz A, Lee J, Abbas T, Abounader R, Purow B. Combined c-Met/Trk inhibition overcomes resistance to CDK4/6 inhibitors in Glioblastoma. Cancer Res. 2018 May 29. pii: canres.3124.2017. doi: 10.1158/0008-5472.CAN-17-3124. [Epub ahead of print] PubMed PMID: 29844123.

27: Ravindran K, Schmalz P, Torun N, Ronthal M, Chang YM, Thomas AJ. Angiographic Findings in the Tolosa-Hunt Syndrome and Resolution after Corticosteroid Treatment. Neuroophthalmology. 2017 Sep 6;42(3):159-163. doi: 10.1080/01658107.2017.1365268. eCollection 2018 Jun. PubMed PMID: 29796050; PubMed Central PMCID: PMC5958970.

28: Hadley MN, Shank CD, Rozzelle CJ, Walters BC. In Reply: Guidelines for the Use of Electrophysiological Monitoring for Surgery of the Human Spinal Column and Spinal Cord. Neurosurgery. 2018 Aug 1;83(2):E80-E81. doi: 10.1093/neuros/nyy207. PubMed PMID: 29790975.

29: Foreman PM, Ilyas A, Mooney J, Schmalz PGR, Walters BC, Griessenauer CJ. Antiplatelet Medication Reversal Strategies in Operative Intracranial Hemorrhage: A Survey of Practicing Neurosurgeons. World Neurosurg. 2018 Aug;116:e649-e654. doi: 10.1016/j.wneu.2018.05.064. Epub 2018 May 18. PubMed PMID: 29783009.

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

31: Griffin RL, Falatko SR, Aslibekyan S, Strickland V, Harrigan MR. Aspirin for primary prevention of stroke in traumatic cerebrovascular injury: association with increased risk of transfusion. J Neurosurg.

2018 May 18;1-8. doi: 10.3171/2017.12.JNS172284. [Epub ahead of print] PubMed PMID: 29775142.

32: Simon TD, Kronman MP, Whitlock KB, Browd SR, Holubkov R, Kestle JRW, Kulkarni AV, Langley M, Limbrick DD Jr, Luerksen TG, Oakes J, Riva-Cambrin J, Rozzelle C, Shannon CN, Tamber M, Wellons III JC, Whitehead WE, Mayer-Hamblett N; Hydrocephalus Clinical Research Network. Patient and Treatment Characteristics by Infecting Organism in Cerebrospinal Fluid Shunt Infection. *J Pediatric Infect Dis Soc*. 2018 May 15. doi: 10.1093/jpids/piy035. [Epub ahead of print] PubMed PMID: 29771360.

33: Chen CJ, Ding D, Wang TR, Buell TJ, Ilyas A, Ironside N, Lee CC, Kalani MY, Park MS, Liu KC, Sheehan JP. Microsurgery Versus Stereotactic Radiosurgery for Brain Arteriovenous Malformations: A Matched Cohort Study. *Neurosurgery*. 2018 May 12. doi: 10.1093/neuros/nyy174. [Epub ahead of print] PubMed PMID: 29762746.

34: Delic V, Kurien C, Cruz J, Zivkovic S, Barretta J, Thomson A, Hennessey D, Joseph J, Ehrhart J, Willing AE, Bradshaw P, Garbuzova-Davis S. Discrete mitochondrial aberrations in the spinal cord of sporadic ALS patients. *J Neurosci Res*. 2018 Aug;96(8):1353-1366. doi: 10.1002/jnr.24249. Epub 2018 May 6. PubMed PMID: 29732581.

35: Güngör A, Baydın ŞS, Holanda VM, Middlebrooks EH, Isler C, Tugcu B, Foote K, Tanriover N. Microsurgical anatomy of the subthalamic nucleus: correlating fiber dissection results with 3-T magnetic resonance imaging using neuronavigation. *J Neurosurg*. 2018 May 4;1-17. doi: 10.3171/2017.10.JNS171513. [Epub ahead of print] PubMed PMID: 29726781.

36: Griessenauer CJ, Ogilvy CS, Adeeb N, Dmytriw AA, Foreman PM, Shallwani H, Limbucci N, Mangiafico S, Kumar A, Michelozzi C, Krings T, Pereira VM, Matouk CC, Harrigan MR, Shakir HJ, Siddiqui AH, Levy EI, Renieri L, Marotta TR, Cognard C, Thomas AJ. Pipeline embolization of posterior circulation aneurysms: a multicenter study of 131 aneurysms. *J Neurosurg*. 2018 May 4;1-13. doi: 10.3171/2017.9.JNS171376. [Epub ahead of print] PubMed PMID: 29726768.

37: Beli E, Yan Y, Moldovan L, Vieira CP, Gao R, Duan Y, Prasad R, Bhatwadekar A, White FA, Townsend S, Chan L, Ryan CN, Morton D, Moldovan EG, Chu FI, Oudit GY, Derendorf H, Adorini L, Wang XX, Evans-Molina C, Mirmira RG, Boulton ME, Yoder MC, Li Q, Levi M, Busik JV, Grant MB. Restructuring of the Gut Microbiome by Intermittent Fasting Prevents Retinopathy and Prolongs Survival in db/db Mice. *Diabetes*. 2018 Apr 30. pii: db180158. doi: 10.2337/db18-0158. [Epub ahead of print] PubMed PMID: 29712667.

38: Self DM, Ilyas A, Stetler WR. Safety of Running Two Rooms: A Systematic Review and Meta-Analysis of Overlapping Neurosurgical Procedures. *World Neurosurg*. 2018 Aug;116:e179-e186. doi: 10.1016/j.wneu.2018.04.147. Epub 2018 Apr 27. PubMed PMID: 29709751.

39: Roach MJ, Chen Y, Kelly ML. Comparing Blunt and Penetrating Trauma in Spinal Cord Injury: Analysis of Long-Term Functional and Neurological Outcomes. *Top Spinal Cord Inj Rehabil*. 2018 Spring;24(2):121-132. doi: 10.1310/sci2402-121. PubMed PMID: 29706756; PubMed Central PMCID: PMC5915103.

40: Hadley MN, Shank CD, Rozzelle CJ, Walters BC. In Reply: Guidelines for the Use of Electrophysiological Monitoring for Surgery of the Human Spinal Column and Spinal Cord. *Neurosurgery*. 2018 Aug 1;83(2):E76-E77. doi: 10.1093/neuros/nyy158. PubMed PMID: 29688447.

41: Foreman PM, Hendrix P, Harrigan MR, Fisher WS 3rd, Vyas NA, Lipsky RH, Walters BC, Tubbs RS, Shojha MM, Griessenauer CJ. PHASES score applied to a prospective cohort of aneurysmal subarachnoid hemorrhage patients. *J Clin Neurosci*. 2018 Jul;53:69-73. doi: 10.1016/j.jocn.2018.04.014. Epub 2018

Apr 20. PubMed PMID: 29685416.

42: Goldstein HE, Neira JA, Banu M, Aldana PR, Braga BP, Brockmeyer DL, DiLuna ML, Fulkerson DH, Hankinson TC, Jea AH, Lew SM, Limbrick DD, Martin J, Pahys JM, Rodriguez LF, Rozzelle CJ, Tuite GF, Wetjen NM, Anderson RCE. Growth and alignment of the pediatric subaxial cervical spine following rigid instrumentation and fusion: a multicenter study of the Pediatric Craniocervical Society. *J Neurosurg Pediatr*. 2018 Jul;22(1):81-88. doi: 10.3171/2018.1.PEDS17551. Epub 2018 Apr 20. PubMed PMID: 29676682.

43: Schmalz PGR, Enriquez-Marulanda A, Alturki A, Stapleton CJ, Thomas AJ, Ogilvy CS. Combined Outcomes of Endovascular or Surgical Treatment of Unruptured Anterior Communicating Artery Aneurysms: Is a More Aggressive Management Strategy Warranted? *World Neurosurg*. 2018 Jul;115:e331-e336. doi: 10.1016/j.wneu.2018.04.046. Epub 2018 Apr 17. PubMed PMID: 29673817.

44: Bernhardt J, Zorowitz RD, Becker KJ, Keller E, Saposnik G, Strbian D, Dichgans M, Woo D, Reeves M, Thrift A, Kidwell CS, Olivot JM, Goyal M, Pierot L, Bennett DA, Howard G, Ford GA, Goldstein LB, Planas AM, Yenari MA, Greenberg SM, Pantoni L, Amin-Hanjani S, Tymianski M. Advances in Stroke 2017. *Stroke*. 2018 May;49(5):e174-e199. doi: 10.1161/STROKEAHA.118.021380. Epub 2018 Apr 18. Review. PubMed PMID: 29669874.

45: Yuan Y, Thomas EM, Clark GA, Markert JM, Fiveash JB, Popple RA. Evaluation of multiple factors affecting normal brain dose in single-isocenter multiple target radiosurgery. *J Radiosurg SBRT*. 2018;5(2):131-144. PubMed PMID: 29657894; PubMed Central PMCID: PMC5893454.

46: Shank CD, Walters BC, Hadley MN. Current Topics in the Management of Acute Traumatic Spinal Cord Injury. *Neurocrit Care*. 2018 Apr 12. doi: 10.1007/s12028-018-0537-5. [Epub ahead of print] PubMed PMID: 29651626.

47: Thorsson V, Gibbs DL, Brown SD, Wolf D, Bortone DS, Ou Yang TH, Porta-Pardo E, Gao GF, Plaisier CL, Eddy JA, Ziv E, Culhane AC, Paull EO, Sivakumar IKA, Gentles AJ, Malhotra R, Farshidfar F, Colaprico A, Parker JS, Mose LE, Vo NS, Liu J, Liu Y, Rader J, Dhankani V, Reynolds SM, Bowlby R, Califano A, Cherniack AD, Anastassiou D, Bedognetti D, Rao A, Chen K, Krasnitz A, Hu H, Malta TM, Noushmehr H, Peadarallu CS, Bullman S, Ojesina AI, Lamb A, Zhou W, Shen H, Choueiri TK, Weinstein JN, Guinney J, Saltz J, Holt RA, Rabkin CE; Cancer Genome Atlas Research Network, Lazar AJ, Serody JS, Demicco EG, Disis ML, Vincent BG, Shmulevich L. The Immune Landscape of Cancer. *Immunity*. 2018 Apr 17;48(4):812-830.e14. doi: 10.1016/j.immuni.2018.03.023. Epub 2018 Apr 5. PubMed PMID: 29628290; PubMed Central PMCID: PMC5982584.

48: Rotman LE, Davis MC, Salehani AA, Broadwater DR, Reeve NH, Riley KO. Discrepancy Between Neurosurgery Morbidity and Mortality Conference Discussions and Hospital Quality Metric Standards. *World Neurosurg*. 2018 Jul;115:e105-e110. doi: 10.1016/j.wneu.2018.03.195. Epub 2018 Apr 4. PubMed PMID: 29626685.

49: Nazmi A, Albertsson AM, Rocha-Ferreira E, Zhang X, Vontell R, Zelco A, Rutherford M, Zhu C, Nilsson G, Mallard C, Hagberg H, Lai JCY, Leavenworth JW, Wang X. Lymphocytes Contribute to the Pathophysiology of Neonatal Brain Injury. *Front Neurol*. 2018 Mar 19;9:159. doi: 10.3389/fneur.2018.00159. eCollection 2018. PubMed PMID: 29615958; PubMed Central PMCID: PMC5868390.

50: Hadley MN, Shank CD, Rozzelle CJ, Walters BC. In Reply: Guidelines for the Use of Electrophysiological Monitoring for Surgery of the Human Spinal Column and Spinal Cord. *Neurosurgery*. 2018 Jun 1;82(6):E192-E193. doi: 10.1093/neuros/nyy094. PubMed PMID: 29608709.

- 51: Schmalz P, Griessenauer C, Ogilvy CS, Thomas AJ. Use of an Absorbable Synthetic Polymer Dural Substitute for Repair of Dural Defects: A Technical Note. *Cureus*. 2018 Jan 29;10(1):e2127. doi: 10.7759/cureus.2127. PubMed PMID: 29607275; PubMed Central PMCID: PMC5875978.
- 52: Vaphiades MS. Ocular Motor Dysfunction Due to Brainstem Disorders. *J Neuroophthalmol*. 2018 Mar 27. doi: 10.1097/WNO.0000000000000647. [Epub ahead of print] PubMed PMID: 29595558.
- 53: Beall DP, Chambers MR, Thomas S, Amburgy J, Webb JR Jr, Goodman BS, Datta DK, Easton RW, Linville D 2nd, Talati S, Tillman JB. Prospective and Multicenter Evaluation of Outcomes for Quality of Life and Activities of Daily Living for Balloon Kyphoplasty in the Treatment of Vertebral Compression Fractures: The EVOLVE Trial. *Neurosurgery*. 2018 Mar 14. doi: 10.1093/neuros/nyy017. [Epub ahead of print] PubMed PMID: 29547939.
- 54: Ascanio LC, Gupta R, Adeeb N, Moore JM, Griessenauer CJ, Mayeku J, Tachie-Baffour Y, Thomas R, Alturki AY, Schmalz PGR, Ogilvy CS, Thomas AJ. Relationship between external ventricular drain clamp trials and ventriculoperitoneal shunt insertion following nontraumatic subarachnoid hemorrhage: a single-center study. *J Neurosurg*. 2018 Mar 16:1-7. doi: 10.3171/2017.10.JNS171644. [Epub ahead of print] PubMed PMID: 29547083.
- 55: Atesok K, Tanaka N, O'Brien A, Robinson Y, Pang D, Deinlein D, Manoharan SR, Pittman J, Theiss S. Posttraumatic Spinal Cord Injury without Radiographic Abnormality. *Adv Orthop*. 2018 Jan 4;2018:7060654. doi: 10.1155/2018/7060654. eCollection 2018. Review. PubMed PMID: 29535875; PubMed Central PMCID: PMC5817293.
- 56: Sadahiro H, Kang KD, Gibson JT, Minata M, Yu H, Shi J, Chhipa R, Chen Z, Lu S, Simoni Y, Furuta T, Sabit H, Zhang S, Bastola S, Yamaguchi S, Alsheikh H, Komarova S, Wang J, Kim SH, Hambardzumyan D, Lu X, Newell EW, DasGupta B, Nakada M, Lee LJ, Nabors B, Norian LA, Nakano I. Activation of the Receptor Tyrosine Kinase AXL Regulates the Immune Microenvironment in Glioblastoma. *Cancer Res*. 2018 Jun 1;78(11):3002-3013. doi: 10.1158/0008-5472.CAN-17-2433. Epub 2018 Mar 12. PubMed PMID: 29531161; PubMed Central PMCID: PMC5984695.
- 57: Saad H, Krisht KM, Yang WH, Aboud E, Krisht AF. Rapid M1 Hemoclips Arteriotomy Repair After Emergency Coil Embolectomy. *Oper Neurosurg (Hagerstown)*. 2018 Jul 1;15(1):25-31. doi: 10.1093/ons/oxp187. PubMed PMID: 29529323.
- Dmytriw AA, Adeeb N, Kumar A, Griessenauer CJ, Phan K, Ogilvy CS, Foreman PM, Shallwani H, Limbucci N, Mangiafico S, Michelozzi C, Krings T, Pereira VM, Matouk CC, Zhang Y, Harrigan MR, Shakir HJ, Siddiqui AH, Levy EI, Renieri L, Cognard C, Thomas AJ, Marotta TR. [Flow Diversion](#) for the Treatment of [Basilar Apex Aneurysms](#). *Neurosurgery*. 2018 Feb 26. doi: 10.1093/neuros/nyx628. [Epub ahead of print] PubMed PMID: 29529233.
- 59: Dhamija R, Plotkin S, Asthagiri A, Messiaen L, Babovic-Vuksanovic D. Schwannomatosis. 2018 Mar 8. In: Adam MP, Ardinger HH, Pagon RA, Wallace SE, Bean LJH, Stephens K, Amemiya A, editors. *GeneReviews®* [Internet]. Seattle (WA): University of Washington, Seattle; 1993-2018. Available from <http://www.ncbi.nlm.nih.gov/books/NBK487394/> PubMed PMID: 29517885.
- 60: Tahir RA, Rotman LE, Davis MC, Dupépe EB, Kole MK, Rahman M, Williams CT, Pamboukian SV, Bazydlo M, Walters BC. Intracranial Hemorrhage in Patients with a Left Ventricular Assist Device. *World Neurosurg*. 2018 May;113:e714-e721. doi: 10.1016/j.wneu.2018.02.135. Epub 2018 Mar 3. Erratum in: *World Neurosurg*. 2018 Jun 1;:. PubMed PMID: 29510276.
- 61: Vaphiades MS, Grondines B. We cannot see what she cannot ignore. *Surv Ophthalmol*. 2018 May - Jun;63(3):450. doi: 10.1016/j.survophthal.2018.02.001. Epub 2018 Feb 13. PubMed PMID: 29452123.

- 62: Rock J, Glick R, Germano IM, Dempsey R, Zervos J, Prentiss T, Davis M, Wright E, Hlaing K, Thu M, Soe ZW, Myaing W. The First Neurosurgery Boot Camp in Southeast Asia: Evaluating Impact on Knowledge and Regional Collaboration in Yangon, Myanmar. *World Neurosurg*. 2018 May;113:e239-e246. doi: 10.1016/j.wneu.2018.02.001. Epub 2018 Feb 10. PubMed PMID: 29438792.
- 63: Ramirez-Zamora A, Giordano JJ, Gunduz A, Brown P, Sanchez JC, Foote KD, Almeida L, Starr PA, Bronte-Stewart HM, Hu W, McIntyre C, Goodman W, Kumsa D, Grill WM, Walker HC, Johnson MD, Vitek JL, Greene D, Rizzuto DS, Song D, Berger TW, Hampson RE, Deadwyler SA, Hochberg LR, Schiff ND, Stypulkowski P, Worrell G, Tiruvadi V, Mayberg HS, Jimenez-Shahed J, Nanda P, Sheth SA, Gross RE, Lempka SF, Li L, Deeb W, Okun MS. Evolving Applications, Technological Challenges and Future Opportunities in Neuromodulation: Proceedings of the Fifth Annual Deep Brain Stimulation Think Tank. *Front Neurosci*. 2018 Jan 24;11:734. doi: 10.3389/fnins.2017.00734. eCollection 2017. PubMed PMID: 29416498; PubMed Central PMCID: PMC5787550.
- 64: Tran AN, Walker K, Harrison DG, Chen W, Mobley J, Hocevar L, Hackney JR, Sedaka RS, Pollock JS, Goldberg MS, Hambardzumyan D, Cooper SJ, Gillespie Y, Hjelmeland AB. Reactive species balance via GTP cyclohydrolase I regulates glioblastoma growth and tumor initiating cell maintenance. *Neuro Oncol*. 2018 Jul 5;20(8):1055-1067. doi: 10.1093/neuonc/noy012. PubMed PMID: 29409010.
- 65: Simon TD, Kronman MP, Whitlock KB, Gove NE, Mayer-Hamblett N, Browd SR, Cochrane DD, Holubkov R, Kulkarni AV, Langley M, Limbrick DD Jr, Luerssen TG, Oakes WJ, Riva-Cambrin J, Rozzelle C, Shannon C, Tamber M, Wellons JC 3rd, Whitehead WE, Kestle JRW; Hydrocephalus Clinical Research Network. Reinfection after treatment of first cerebrospinal fluid shunt infection: a prospective observational cohort study. *J Neurosurg Pediatr*. 2018 Apr;21(4):346-358. doi: 10.3171/2017.9.PEDS17112. Epub 2018 Feb 2. PubMed PMID: 29393813; PubMed Central PMCID: PMC5880734.
- 66: Dewan MC, Lim J, Gannon SR, Heaner D, Davis MC, Vaughn B, Chern JJ, Rocque BG, Klimo P Jr, Wellons JC 3rd, Naftel RP. Comparison of hydrocephalus metrics between infants successfully treated with endoscopic third ventriculostomy with choroid plexus cauterization and those treated with a ventriculoperitoneal shunt: a multicenter matched-cohort analysis. *J Neurosurg Pediatr*. 2018 Apr;21(4):339-345. doi: 10.3171/2017.10.PEDS17421. Epub 2018 Feb 2. PubMed PMID: 29393809.
- 67: Ilyas A, Chen CJ, Ding D, Romeo A, Buell TJ, Wang TR, Kalani MYS, Park MS. Magnetic resonance-guided, high-intensity focused ultrasound sonolysis: potential applications for stroke. *Neurosurg Focus*. 2018 Feb;44(2):E12. doi: 10.3171/2017.11.FOCUS17608. PubMed PMID: 29385918.
- 68: Libby CJ, Tran AN, Scott SE, Griguer C, Hjelmeland AB. The pro-tumorigenic effects of metabolic alterations in glioblastoma including brain tumor initiating cells. *Biochim Biophys Acta*. 2018 Apr;1869(2):175-188. doi: 10.1016/j.bbcan.2018.01.004. Epub 2018 Jan 31. Review. PubMed PMID: 29378228.
- 69: Ren S, Wei Q, Cai L, Yang X, Xing C, Tan F, Leavenworth JW, Liang S, Liu W. Alphavirus Replicon DNA Vectors Expressing Ebola GP and VP40 Antigens Induce Humoral and Cellular Immune Responses in Mice. *Front Microbiol*. 2018 Jan 10;8:2662. doi: 10.3389/fmicb.2017.02662. eCollection 2017. PubMed PMID: 29375526; PubMed Central PMCID: PMC5767729.
- 70: Lepard JR, Walters BC, Rozzelle CJ. Damage capitation in the modern liability climate: a primer for neurosurgeons and systematic review of the literature. *J Neurosurg Spine*. 2018 Apr;28(4):446-454. doi: 10.3171/2017.3.SPINE16832. Epub 2018 Jan 26. PubMed PMID: 29372862.
- 71: Ilyas A, Chen CJ, Ding D, Foreman PM, Buell TJ, Ironside N, Taylor DG, Kalani MY, Park MS,

Southerland AM, Worrall BB. Endovascular Mechanical Thrombectomy for Acute Ischemic Stroke Under General Anesthesia Versus Conscious Sedation: A Systematic Review and Meta-Analysis. *World Neurosurg.* 2018 Apr;112:e355-e367. doi: 10.1016/j.wneu.2018.01.049. Epub 2018 Jan 31. Review. PubMed PMID: 29355808.

72: Rotman LE, Agee BS, Chagoya G, Davis MC, Markert JM. Clinical Utility of Serum Procalcitonin Level and Infection in the Neurosurgical Intensive Care Unit. *World Neurosurg.* 2018 Apr;112:e368-e374. doi: 10.1016/j.wneu.2018.01.050. Epub 2018 Jan 31. PubMed PMID: 29355796.

73: Manouvakhova OV, Macchi V, Fries FN, Loukas M, De Caro R, Oskouian RJ, Spinner RJ, Tubbs RS. Landmarks for Identifying the Suprascapular Foramen Anteriorly: Application to Anterior Neurotization and Decompressive Procedures. *Oper Neurosurg (Hagerstown).* 2018 Feb 1;14(2):166-170. doi: 10.1093/ons/oxp096. PubMed PMID: 29351679.

74: Martinez-Ramirez D, Jimenez-Shahed J, Leckman JF, Porta M, Servello D, Meng FG, Kuhn J, Huys D, Baldermann JC, Foltynie T, Hariz MI, Joyce EM, Zrinzo L, Kefalopoulou Z, Silburn P, Coyne T, Mogilner AY, Pourfar MH, Khandhar SM, Auyeung M, Ostrem JL, Visser-Vandewalle V, Welter ML, Mallet L, Karachi C, Houeto JL, Klassen BT, Ackermans L, Kaido T, Temel Y, Gross RE, Walker HC, Lozano AM, Walter BL, Mari Z, Anderson WS, Changizi BK, Moro E, Zuber SE, Schrock LE, Zhang JG, Hu W, Rizer K, Monari EH, Foote KD, Malaty IA, Deeb W, Gunduz A, Okun MS. Efficacy and Safety of Deep Brain Stimulation in Tourette Syndrome: The International Tourette Syndrome Deep Brain Stimulation Public Database and Registry. *JAMA Neurol.* 2018 Mar 1;75(3):353-359. doi: 10.1001/jamaneurol.2017.4317. PubMed PMID: 29340590; PubMed Central PMCID: PMC5885852.

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

76: Dawkins RL, Miller JH, Ramadan OI, Lysek MC, Kuhn EN, Rocque BG, Conklin MJ, Tubbs RS, Walters BC, Agee BS, Rozzelle CJ. Thoracolumbar Injury Classification and Severity Score in children: a reliability study. *J Neurosurg Pediatr.* 2018 Mar;21(3):284-291. doi: 10.3171/2017.7.PEDS1720. Epub 2018 Jan 12. PubMed PMID: 29328004.

77: Middlebrooks EH, Holanda VM, Tuna IS, Deshpande HD, Bredel M, Almeida L, Walker HC, Guthrie BL, Foote KD, Okun MS. A method for pre-operative single-subject thalamic segmentation based on probabilistic tractography for essential tremor deep brain stimulation. *Neuroradiology.* 2018 Mar;60(3):303-309. doi: 10.1007/s00234-017-1972-2. Epub 2018 Jan 6. PubMed PMID: 29307012.

78: Ilyas A, Chen CJ, Ding D, Buell TJ, Lee CC, Sheehan JP. In Reply: Radiation-Induced Changes After Stereotactic Radiosurgery for Brain Arteriovenous Malformations. *Neurosurgery.* 2018 Mar 1;82(3):E77-E78. doi: 10.1093/neuros/nyx599. PubMed PMID: 29294125.

79: Mohamed IS, Bouthillier A, Bérubé A, Cossette P, Finet P, Saint-Hilaire JM, Robert M, Nguyen DK. The clinical impact of integration of magnetoencephalography in the presurgical workup for refractory nonlesional epilepsy. *Epilepsy Behav.* 2018 Feb;79:34-41. doi: 10.1016/j.yebeh.2017.10.036. Epub 2017 Dec 15. PubMed PMID: 29253675.

80: Tubbs RS, Demerdash A, Loukas M, Curé J, Oskouian RJ, Ansari S, Cohen-Gadol AA. Intracranial Connections of the Vertebral Venous Plexus: Anatomical Study with Application to Neurosurgical and Endovascular Procedures at the Craniocervical Junction. *Oper Neurosurg (Hagerstown).* 2018 Jan 1;14(1):51-57. doi: 10.1093/ons/oxp080. PubMed PMID: 29253288.

- 81: Albertsson AM, Zhang X, Vontell R, Bi D, Bronson RT, Supramaniam V, Baburamani AA, Hua S, Nazmi A, Cardell S, Zhu C, Cantor H, Mallard C, Hagberg H, Leavenworth JW, Wang X. $\gamma\delta$ T Cells Contribute to Injury in the Developing Brain. *Am J Pathol*. 2018 Mar;188(3):757-767. doi: 10.1016/j.ajpath.2017.11.012. Epub 2017 Dec 15. PubMed PMID: 29248460; PubMed Central PMCID: PMC5840494.
- 82: Foreman PM, Jackson BE, Singh KP, Romeo AK, Guthrie BL, Fisher WS, Riley KO, Markert JM, Willey CD, Bredel M, Fiveash JB. Postoperative radiosurgery for the treatment of metastatic brain tumor: Evaluation of local failure and leptomeningeal disease. *J Clin Neurosci*. 2018 Mar;49:48-55. doi: 10.1016/j.jocn.2017.12.009. Epub 2017 Dec 14. PubMed PMID: 29248376; PubMed Central PMCID: PMC5805568.
- 83: Kulkarni AV, Riva-Cambrin J, Rozzelle CJ, Naftel RP, Alvey JS, Reeder RW, Holubkov R, Browd SR, Cochrane DD, Limbrick DD Jr, Simon TD, Tamber M, Wellons JC 3rd, Whitehead WE, Kestle JRW. Endoscopic third ventriculostomy and choroid plexus cauterization in infant hydrocephalus: a prospective study by the Hydrocephalus Clinical Research Network. *J Neurosurg Pediatr*. 2018 Mar;21(3):214-223. doi: 10.3171/2017.8.PEDS17217. Epub 2017 Dec 15. PubMed PMID: 29243972.
- 84: Ghonime MG, Jackson J, Shah A, Roth J, Li M, Saunders U, Coleman J, Gillespie GY, Markert JM, Cassady KA. Chimeric HCMV/HSV-1 and $\Delta\gamma(1)34.5$ oncolytic herpes simplex virus elicit immune mediated antigliomal effect and antitumor memory. *Transl Oncol*. 2018 Feb;11(1):86-93. doi: 10.1016/j.tranon.2017.10.005. Epub 2017 Dec 18. PubMed PMID: 29216507; PubMed Central PMCID: PMC6002352.
- 85: Ilyas A, Buell TJ, Chen CJ, Ding D, Raper DMS, Taylor DG, Sokolowski JD, Liu KC. SMART coils for intracranial aneurysm embolization: Initial outcomes. *Clin Neurol Neurosurg*. 2018 Jan;164:87-91. doi: 10.1016/j.clineuro.2017.11.020. Epub 2017 Dec 2. PubMed PMID: 29216501.
- 86: Corliss BM, Bennett J, Brennan MM, Rosemaryam A, Hartman C, Stetler WR, Polifka AJ, Hoh BL, Arreola MM, Fox WC. The Patient Size Setting: A Novel Dose Reduction Strategy in Cerebral Endovascular Neurosurgery Using Biplane Fluoroscopy. *World Neurosurg*. 2018 Feb;110:e636-e641. doi: 10.1016/j.wneu.2017.11.056. Epub 2017 Nov 24. PubMed PMID: 29180081.
- 87: Erwood MS, Walters BC, Connolly TM, Gordon AS, Carroll WR, Agee BS, Carn BR, Hadley MN. Voice and swallowing outcomes following reoperative anterior cervical discectomy and fusion with a 2-team surgical approach. *J Neurosurg Spine*. 2018 Feb;28(2):140-148. doi: 10.3171/2017.5.SPINE161104. Epub 2017 Nov 24. PubMed PMID: 29171791.
- 88: McTyre E, Ayala-Peacock D, Contessa J, Corso C, Chiang V, Chung C, Fiveash J, Ahluwalia M, Kotecha R, Chao S, Attia A, Henson A, Hepel J, Braunstein S, Chan M. Multi-institutional competing risks analysis of distant brain failure and salvage patterns after upfront radiosurgery without whole brain radiotherapy for brain metastases. *Ann Oncol*. 2018 Feb 1;29(2):497-503. doi: 10.1093/annonc/mdx740. PubMed PMID: 29161348.
- 89: Alturki AY, Schmalz PGR, Ogilvy CS, Thomas AJ. Sequential Coiling-Assisted Deployment of Flow Diverter for Treatment of Fusiform Middle Cerebral Artery Aneurysms. *Oper Neurosurg (Hagerstown)*. 2018 Aug 1;15(2):E13-E18. doi: 10.1093/ons/opx226. PubMed PMID: 29140523.
- 90: Holanda VM, Gungor A, Baydin S, Middlebrooks EH, Danish SF. Anatomic Investigation of the Trajectory for Stereotactic Laser Amygdalohippocampectomy. *Oper Neurosurg (Hagerstown)*. 2018 Aug 1;15(2):194-206. doi: 10.1093/ons/opx218. PubMed PMID: 29140463.
- 91: Alturki AY, Enriquez-Marulanda A, Schmalz P, Ogilvy CS, Thomas AJ. Transarterial Onyx

Embolization of Bilateral Transverse-Sigmoid Dural Arteriovenous Malformation with Transvenous Balloon Assist-Initial U.S. Experience with Copernic RC Venous Remodeling Balloon. *World Neurosurg.* 2018 Jan;109:398-402. doi: 10.1016/j.wneu.2017.10.083. Epub 2017 Oct 26. PubMed PMID: 29107165.

92: Rozzelle CJ, Madura C, Reeder RW. Reliability of CSF turbulence and choroid plexus visualization on fast-sequence MRI in pediatric hydrocephalus. *J Neurosurg Pediatr.* 2018 Jan;21(1):21-24. doi: 10.3171/2017.7.PEDS17241. Epub 2017 Oct 27. PubMed PMID: 29076795.

93: Kuhn EN, Chagoya G, Agee BS, Harrigan MR. Suboccipital Craniotomy Versus Craniectomy: A Survey of Practice Patterns. *World Neurosurg.* 2018 Jan;109:e731-e738. doi: 10.1016/j.wneu.2017.10.073. Epub 2017 Oct 23. PubMed PMID: 29074422.

94: Matsuo S, Baydin S, Güngör A, Middlebrooks EH, Komune N, Iihara K, Rhoton AL Jr. Prevention of postoperative visual field defect after the occipital transtentorial approach: anatomical study. *J Neurosurg.* 2018 Jul;129(1):188-197. doi: 10.3171/2017.4.JNS162805. Epub 2017 Oct 20. PubMed PMID: 29053071.

95: Kuhn EN, Hopson B, Conklin MJ, Blount JP. Intradural spine surgery may not carry an increased risk of shunt revision compared with extradural spine surgery in pediatric patients with myelomeningocele. *J Neurosurg Pediatr.* 2018 Jan;21(1):11-15. doi: 10.3171/2017.7.PEDS17274. Epub 2017 Oct 20. PubMed PMID: 29053056.

96: Olmez I, Love S, Xiao A, Manigat L, Randolph P, McKenna BD, Neal BP, Boroda S, Li M, Brennen B, Abounader R, Floyd D, Lee J, Nakano I, Godlewski J, Bronisz A, Sulman EP, Mayo M, Gioeli D, Weber M, Harris TE, Purow B. Targeting the mesenchymal subtype in glioblastoma and other cancers via inhibition of diacylglycerol kinase alpha. *Neuro Oncol.* 2018 Jan 22;20(2):192-202. doi: 10.1093/neuonc/nox119. PubMed PMID: 29048560; PubMed Central PMCID: PMC5777487.

97: Bell JB, Eckerdt F, Dhruv HD, Finlay D, Peng S, Kim S, Kroczyńska B, Beauchamp EM, Alley K, Clymer J, Goldman S, Cheng SY, James CD, Nakano I, Horbinski C, Mazar AP, Vuori K, Kumthekar P, Raizer J, Berens ME, Plataniias LC. Differential Response of Glioma Stem Cells to Arsenic Trioxide Therapy Is Regulated by MNK1 and mRNA Translation. *Mol Cancer Res.* 2018 Jan;16(1):32-46. doi: 10.1158/1541-7786.MCR-17-0397. Epub 2017 Oct 17. PubMed PMID: 29042487; PubMed Central PMCID: PMC5926791.

98: Garnier D, Meehan B, Kislinger T, Daniel P, Sinha A, Abdulkarim B, Nakano I, Rak J. Divergent evolution of temozolomide resistance in glioblastoma stem cells is reflected in extracellular vesicles and coupled with radiosensitization. *Neuro Oncol.* 2018 Jan 22;20(2):236-248. doi: 10.1093/neuonc/nox142. PubMed PMID: 29016925; PubMed Central PMCID: PMC5777501.

99: Wang M, Bu J, Zhou M, Sido J, Lin Y, Liu G, Lin Q, Xu X, Leavenworth JW, Shen E. CD8(+)T cells expressing both PD-1 and TIGIT but not CD226 are dysfunctional in acute myeloid leukemia (AML) patients. *Clin Immunol.* 2018 May;190:64-73. doi: 10.1016/j.clim.2017.08.021. Epub 2017 Sep 8. PubMed PMID: 28893624.

100: Hendrix P, Foreman PM, Harrigan MR, Fisher WS 3rd, Vyas NA, Lipsky RH, Lin M, Walters BC, Tubbs RS, Shoja MM, Pittet JF, Mathru M, Griessenauer CJ. Association of cystathionine beta-synthase polymorphisms and aneurysmal subarachnoid hemorrhage. *J Neurosurg.* 2018 Jun;128(6):1771-1777. doi: 10.3171/2017.2.JNS162933. Epub 2017 Aug 4. PubMed PMID: 28777022.

101: Venkatraman A, Khawaja AM, Gupta S, Hardas S, Deveikis JP, Harrigan MR, Kumar G. Intra-arterial vasodilators for vasospasm following aneurysmal subarachnoid hemorrhage: a meta-analysis.

J Neurointerv Surg. 2018 Apr;10(4):380-387. doi: 10.1136/neurintsurg-2017-013128. Epub 2017 Jun 29. PubMed PMID: 28663521.

102: Shoja MM, Johal J, Oakes WJ, Tubbs RS. Embryology and pathophysiology of the Chiari I and II malformations: A comprehensive review. Clin Anat. 2018 Mar;31(2):202-215. doi: 10.1002/ca.22939. Epub 2017 Dec 4. Review. PubMed PMID: 28612426.

103: Adeeb N, Griessenauer CJ, Patel AS, Foreman PM, Baccin CE, Moore JM, Gupta R, Alturki A, Harrigan MR, Ogilvy CS, Thomas AJ. The Use of Single Stent-Assisted Coiling in Treatment of Bifurcation Aneurysms: A Multicenter Cohort Study With Proposal of a Scoring System to Predict Complete Occlusion. Neurosurgery. 2018 May 1;82(5):710-718. doi: 10.1093/neuros/nyx310. PubMed PMID: 28595331.

104: Kelly NA, Hammond KG, Stec MJ, Bickel CS, Windham ST, Tuggle SC, Bamman MM. Quantification and characterization of grouped type I myofibers in human aging. Muscle Nerve. 2018 Jan;57(1):E52-E59. doi: 10.1002/mus.25711. Epub 2017 Sep 7. PubMed PMID: 28561923; PubMed Central PMCID: PMC5711619.

105: Akiyama O, Güngör A, Middlebrooks EH, Kondo A, Arai H. Microsurgical anatomy of the maxillary artery for extracranial-intracranial bypass in the pterygopalatine segment of the maxillary artery. Clin Anat. 2018 Jul;31(5):724-733. doi: 10.1002/ca.22926. Epub 2017 Nov 29. PubMed PMID: 28556192.

106: Griessenauer CJ, Starke RM, Foreman PM, Hendrix P, Harrigan MR, Fisher WS 3rd, Vyas NA, Lipsky RH, Lin M, Walters BC, Pittet JF, Mathru M. Associations between endothelin polymorphisms and aneurysmal subarachnoid hemorrhage, clinical vasospasm, delayed cerebral ischemia, and functional outcome. J Neurosurg. 2018 May;128(5):1311-1317. doi: 10.3171/2016.12.JNS162594. Epub 2017 May 26. PubMed PMID: 28548598.

107: Tubbs RS, Maldonado AA, Stoves Y, Fries FN, Li R, Loukas M, Oskouian RJ, Spinner RJ. A novel method of lengthening the accessory nerve for direct coaptation during nerve repair and nerve transfer procedures. J Neurosurg. 2018 Jan;128(1):272-276. doi: 10.3171/2016.10.JNS161106. Epub 2017 Mar 3. PubMed PMID: 28298044.

108: Griessenauer CJ, Tubbs RS, Foreman PM, Chua MH, Vyas NA, Lipsky RH, Lin M, Iyer R, Haridas R, Walters BC, Chaudry S, Malieva A, Wilkins S, Harrigan MR, Fisher WS 3rd, Shoja MM. Association of renin-angiotensin system genetic polymorphisms and aneurysmal subarachnoid hemorrhage. J Neurosurg. 2018 Jan;128(1):86-93. doi: 10.3171/2016.9.JNS161593. Epub 2017 Jan 20. PubMed PMID: 28106497.

1)

Foreman PM, Markert JM, Diethelm AG, Hadley MN. The history of neurosurgery at the University of Alabama at Birmingham. Neurosurgery. 2014 Oct;75(4):483-7; discussion 487-8. doi: 10.1227/NEU.0000000000000464. PubMed PMID: 24932710.

From:

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

Permanent link:

<https://neurosurgerywiki.com/wiki/doku.php?id=birmingham>

Last update: **2024/06/07 02:53**

