

Barrow Neurological Institute Publications

Catapano JS, Koester SW, Hanalioglu S, Farhadi DS, Naik A, Hartke JN, Tunc O, Winkler EA, Chang SW, Lawton MT, Jadhav AP, Ducruet AF, Albuquerque FC. [Middle meningeal artery embolization](#) associated with reduced [chronic subdural hematoma](#) volume and [midline shift](#) in the acute [postoperative period](#). J Neurointerv Surg. 2023 Jun 15:jnis-2022-020054. doi: 10.1136/jnis-2022-020054. Epub ahead of print. PMID: 37321836.

Pacult MA, Williams S. The Catfish King. N Engl J Med. 2022 Mar 5. doi: 10.1056/NEJMp2110165. Epub ahead of print. PMID: 35245012.

Nisson PL, Meybodi AT, Roussas A, James W, Berger GK, Benet A, Lawton MT. Surgical [Clipping](#) of Previously Ruptured, [Coiled Aneurysms](#): Outcome Assessment in 53 Patients. World Neurosurg. 2018 Dec;120:e203-e211. doi: 10.1016/j.wneu.2018.07.293. Epub 2018 Aug 23. PubMed PMID: 30144619.

1: Gandhi S, Cavallo C, Zhao X, Belykh E, Lee M, Yoon S, Labib M, Meybodi AT, Moreira LB, Preul MC, Nakaji P. Minimally invasive approaches to aneurysms of the anterior circulation: selection criteria and clinical outcomes. J Neurosurg Sci. 2018 Sep 10. doi: 10.23736/S0390-5616.18.04562-9. [Epub ahead of print] PubMed PMID: 30207433.

2: Yoon S, Mooney MA, Garcia RM, Lawton MT. Price Transparency in Neurosurgery: Key Challenges and Proposed Solutions. World Neurosurg. 2018 Sep 8. pii: S1878-8750(18)32062-X. doi: 10.1016/j.wneu.2018.09.019. [Epub ahead of print] PubMed PMID: 30205226.

3: Chang SW, Bohl MA, Kelly BP, Wade C. The segmental distribution of cervical range of motion: A comparison of ACDF versus TDR-C. J Clin Neurosci. 2018 Sep 6. pii: S0967-5868(18)30250-9. doi: 10.1016/j.jocn.2018.08.050. [Epub ahead of print] PubMed PMID: 30197057.

4: Nisson P, Fard SA, Meybodi AT, Mooney MA, Kim H, Jahnke H, Walter CM, Dumont TM, Lemole GM Jr, Lawton MT, Spetzler RF. The Unique Features and Outcomes of Microsurgically Resected Cerebellar Arteriovenous Malformations. World Neurosurg. 2018 Sep 3. pii: S1878-8750(18)31977-6. doi: 10.1016/j.wneu.2018.08.194. [Epub ahead of print] PubMed PMID: 30189312.

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: Walker CT, Godzik J, Xu DS, Theodore N, Uribe JS, Chang SW. Minimally Invasive Single-Position Lateral Interbody Fusion With Robotic Bilateral Percutaneous Pedicle Screw Fixation: 2-Dimensional Operative Video. Oper Neurosurg (Hagerstown). 2018 Aug 30. doi: 10.1093/ons/opy240. [Epub ahead of print] PubMed PMID: 30169865.

7: Mascitelli JR, Gandhi S, Cavallo C, Nanaszko MJ, Wright EJ, Lawton MT. Right Pretemporal-Transsylvian Approach for Resection of a Midbrain Cavernous Malformation: 3-Dimensional Operative Video. Oper Neurosurg (Hagerstown). 2018 Aug 30. doi: 10.1093/ons/opy242. [Epub ahead of print]

PubMed PMID: 30169830.

8: Nisson PL, Meybodi AT, Brasiliense L, Berger GK, Golisch K, Benet A, Lawton MT. Cerebral Aneurysms Differ in Patients with Hysterectomies. *World Neurosurg.* 2018 Aug 27. pii: S1878-8750(18)31876-X. doi: 10.1016/j.wneu.2018.08.093. [Epub ahead of print] PubMed PMID: 30165227.

9: Bohl MA, Baranoski JF, Sexton D, Nakaji P, Snyder LA, Kakarla UK, Porter RW. The Barrow Innovation Center case series: Early clinical experience with a novel surgical instrument used to prevent intraoperative spinal cord injuries. *World Neurosurg.* 2018 Aug 27. pii: S1878-8750(18)31913-2. doi: 10.1016/j.wneu.2018.08.130. [Epub ahead of print] PubMed PMID: 30165209.

10: Cavallo C, Zhao X, Abou Al-Shaar H, Weiss M, Gandhi S, Belykh E, Tayebi-Meybodi A, Labib M, Preul MC, Nakaji P. Minimally invasive approaches for the evacuation of intracerebral hemorrhage: a systematic review. *J Neurosurg Sci.* 2018 Aug 28. doi: 10.23736/S0390-5616.18.04557-5. [Epub ahead of print] PubMed PMID: 30160081.

11: Belykh E, Cavallo C, Gandhi S, Zhao X, Veljanoski D, Izady Yazdanabadi M, Martirosyan NL, Byvaltsev VA, Eschbacher J, Preul MC, Nakaji P. Utilization of intraoperative confocal laser endomicroscopy in brain tumor surgery. *J Neurosurg Sci.* 2018 Aug 28. doi: 10.23736/S0390-5616.18.04553-8. [Epub ahead of print] PubMed PMID: 30160080.

12: Patel A, Belykh E, Miller EJ, George LL, Martirosyan NL, Byvaltsev VA, Preul MC. MinION rapid sequencing: Review of potential applications in neurosurgery. *Surg Neurol Int.* 2018 Aug 10;9:157. doi: 10.4103/sni.sni_55_18. eCollection 2018. Review. PubMed PMID: 30159201; PubMed Central PMCID: PMC6094492.

13: Ironside N, Chen CJ, Ding D, Ilyas A, Kumar JS, Buell TJ, Taylor D, Lee CC, Sheehan JP. Seizure Outcomes Following Radiosurgery for Cerebral Arteriovenous Malformations: An Updated Systematic Review and Meta-Analysis. *World Neurosurg.* 2018 Aug 24. pii: S1878-8750(18)31904-1. doi: 10.1016/j.wneu.2018.08.121. [Epub ahead of print] Review. PubMed PMID: 30149174.

14: Chen CJ, Chuang TY, Hansen L, Dutta S, Ding D, Buell TJ, Ironside N, Patibandla MR, Southerland AM, Worrall BB, Kalani MYS. Predictors of 30-day mortality after endovascular mechanical thrombectomy for acute ischemic stroke. *J Clin Neurosci.* 2018 Aug 22. pii: S0967-5868(18)30736-7. doi: 10.1016/j.jocn.2018.08.044. [Epub ahead of print] PubMed PMID: 30145087.

15: Nisson PL, Meybodi AT, Roussas A, James W, Berger GK, Benet A, Lawton MT. Surgical Clipping of Previously Ruptured, Coiled Aneurysms: Outcome Assessment in 53 Patients. *World Neurosurg.* 2018 Aug 22. pii: S1878-8750(18)31813-8. doi: 10.1016/j.wneu.2018.07.293. [Epub ahead of print] PubMed PMID: 30144619.

16: Mooney MA, Herro AM, Fintelmann RE, Mayberg MR, Barkhoudarian G, Gardner PA, Prevedello DM, Chicoine MR, Kelly DF, Chandler JP, Jahnke H, White WL, Little AS. Visual field outcome reporting in neurosurgery: Lessons learned from a prospective, multicenter study of transsphenoidal pituitary surgery. *World Neurosurg.* 2018 Aug 22. pii: S1878-8750(18)31852-7. doi: 10.1016/j.wneu.2018.08.069. [Epub ahead of print] PubMed PMID: 30144606.

17: García-García S, González-Sánchez JJ, Gandhi S, Tabani H, Meybodi AT, Kakaizada S, Lawton MT, Benet A. Contralateral Transfalcine Versus Ipsilateral Anterior Interhemispheric Approach for Midline Arteriovenous Malformations: Surgical and Anatomical Assessment. *World Neurosurg.* 2018 Aug 23.

pii: S1878-8750(18)31857-6. doi: 10.1016/j.wneu.2018.08.074. [Epub ahead of print] PubMed PMID: 30144605.

18: Uribe JS, Schwab F, Mundis GM Jr, Xu DS, Januszewski J, Kanter AS, Okonkwo DO, Hu SS, Vedat D, Eastlack R, Berjano P, Mummaneni PV. The comprehensive anatomical spinal osteotomy and anterior column realignment classification. *J Neurosurg Spine*. 2018 Aug 24;1-11. doi: 10.3171/2018.4.SPINE171206. [Epub ahead of print] PubMed PMID: 30141765.

19: Yoon S, Burkhardt JK, Lawton MT. Long-term patency in cerebral revascularization surgery: an analysis of a consecutive series of 430 bypasses. *J Neurosurg*. 2018 Aug 24;1-8. doi: 10.3171/2018.3.JNS172158. [Epub ahead of print] PubMed PMID: 30141754.

20: Huang RY, Bi WL, Weller M, Kaley T, Blakeley J, Dunn I, Galanis E, Preusser M, McDermott M, Rogers L, Raizer J, Schiff D, Soffietti R, Tonn JC, Vogelbaum M, Weber D, Reardon DA, Wen PY. Proposed Response Assessment and Endpoints for Meningioma Clinical Trials: Report from the Response Assessment in Neuro-Oncology (RANO) Working Group. *Neuro Oncol*. 2018 Aug 18. doi: 10.1093/neuonc/noy137. [Epub ahead of print] PubMed PMID: 30137421.

21: Moysak GI, Rzaev DA, Dzhaferov VM, Slavin KV. [Motor cortex stimulation in deafferentation facial pain]. *Zh Vopr Neirokhir Im N N Burdenko*. 2018;82(4):70-80. doi: 10.17116/neiro201882470. Russian. PubMed PMID: 30137040.

22: Belykh E, Miller EJ, Patel AA, Bozkurt B, Yağmurlu K, Robinson TR, Nakaji P, Spetzler RF, Lawton MT, Nelson LY, Seibel EJ, Preul MC. Optical Characterization of Neurosurgical Operating Microscopes: Quantitative Fluorescence and Assessment of PpIX Photobleaching. *Sci Rep*. 2018 Aug 22;8(1):12543. doi: 10.1038/s41598-018-30247-6. PubMed PMID: 30135440; PubMed Central PMCID: PMC6105612.

23: Rashid A, Pintea B, Kinfe TM, Surber G, Hamm K, Boström JP. LINAC stereotactic radiosurgery for trigeminal neuralgia -retrospective two-institutional examination of treatment outcomes. *Radiat Oncol*. 2018 Aug 22;13(1):153. doi: 10.1186/s13014-018-1102-2. PubMed PMID: 30134992; PubMed Central PMCID: PMC6106738.

24: Bohl MA, Mooney MA, Catapano JS, Almefty KK, Turner JD, Chang SW, Preul MC, Reece EM, Kakarla UK. Pedicled Vascularized Bone Grafts for Posterior Lumbosacral Fusion: A Cadaveric Feasibility Study and Case Report. *Spine Deform*. 2018 Sep - Oct;6(5):498-506. doi: 10.1016/j.jspd.2018.02.006. PubMed PMID: 30122384.

25: Tohyama S, Shih-Ping Hung P, Zhong J, Hodaie M. Early postsurgical diffusivity metrics for prognostication of long-term pain relief after Gamma Knife radiosurgery for trigeminal neuralgia. *J Neurosurg*. 2018 Aug 17;1-10. doi: 10.3171/2018.3.JNS172936. [Epub ahead of print] PubMed PMID: 30117773.

26: Holste KG, Hardaway FA, Raslan AM, Burchiel KJ. Pain-free and pain-controlled survival after sectioning the nervus intermedius in nervus intermedius neuralgia: a single-institution review. *J Neurosurg*. 2018 Aug 17;1-8. doi: 10.3171/2018.3.JNS172495. [Epub ahead of print] PubMed PMID: 30117769.

27: Belykh E, George L, Zhao X, Carotenuto A, Moreira LB, Yağmurlu K, Bozkurt B, Byvaltsev VA, Nakaji P, Preul MC. Microvascular anastomosis under 3D exoscope or endoscope magnification: A proof-of-concept study. *Surg Neurol Int*. 2018 Jun 4;9:115. doi: 10.4103/sni.sni_36_18. eCollection 2018. PubMed PMID: 30105125; PubMed Central PMCID: PMC6070836.

28: Chongsathidkiet P, Jackson C, Koyama S, Loebel F, Cui X, Farber SH, Woroniecka K, Elsamadicy

AA, Dechant CA, Kemeny HR, Sanchez-Perez L, Cheema TA, Souders NC, Herndon JE, Coumans JV, Everitt JI, Nahed BV, Sampson JH, Gunn MD, Martuza RL, Dranoff G, Curry WT, Fecci PE. Sequestration of T cells in bone marrow in the setting of glioblastoma and other intracranial tumors. *Nat Med*. 2018 Sep;24(9):1459-1468. doi: 10.1038/s41591-018-0135-2. Epub 2018 Aug 13. PubMed PMID: 30104766; PubMed Central PMCID: PMC6129206.

29: Gandhi S, Mascitelli J, Hardesty D, Lawton MT. Far Lateral Craniotomy for Posterior Inferior Cerebellar Artery-Posterior Inferior Cerebellar Artery Bypass and Trapping of Posterior Inferior Cerebellar Artery Aneurysm: 3-Dimensional Operative Video. *Oper Neurosurg (Hagerstown)*. 2018 Aug 7. doi: 10.1093/ons/opy201. [Epub ahead of print] PubMed PMID: 30099556.

30: Tayebi Meybodi A, Belykh EG, Aklinski J, Kaur P, Preul MC, Lawton MT. The End-to-Side Anastomosis: A Comparative Analysis of Arterial Models in the Rat. *World Neurosurg*. 2018 Aug 8. pii: S1878-8750(18)31751-0. doi: 10.1016/j.wneu.2018.07.271. [Epub ahead of print] PubMed PMID: 30096493.

31: Park P, Fu KM, Mummaneni PV, Uribe JS, Wang MY, Tran S, Kanter AS, Nunley PD, Okonkwo DO, Shaffrey CI, Mundis GM Jr, Chou D, Eastlack R, Anand N, Than KD, Zavatsky JM, Fessler RG; International Spine Study Group. The impact of age on surgical goals for spinopelvic alignment in minimally invasive surgery for adult spinal deformity. *J Neurosurg Spine*. 2018 Aug 10:1-5. doi: 10.3171/2018.4.SPINE171153. [Epub ahead of print] PubMed PMID: 30095383.

32: Goto T, Hongo K, Ogiwara T, Nagm A, Okamoto J, Muragaki Y, Lawton M, McDermott M, Berger M. Intelligent Surgeon's Arm Supporting System iArmS in Microscopic Neurosurgery Utilizing Robotic Technology. *World Neurosurg*. 2018 Aug 6. pii: S1878-8750(18)31717-0. doi: 10.1016/j.wneu.2018.07.237. [Epub ahead of print] PubMed PMID: 30092468.

33: Gross BA, Ares WJ, Ducruet AF, Jadhav AP, Jovin TG, Jankowitz BT. A clinical comparison of Atlas and LVIS Jr stent-assisted aneurysm coiling. *J Neurointerv Surg*. 2018 Aug 4. pii: neurintsurg-2018-014208. doi: 10.1136/neurintsurg-2018-014208. [Epub ahead of print] PubMed PMID: 30077966.

34: Cavallo C, Safavi-Abbasi S, Kalani MYS, Gandhi S, Sun H, Oppenlander ME, Zabramski JM, Nakaji P, Lawton MT, Spetzler RF. Pulmonary Complications After Spontaneous Aneurysmal Subarachnoid Hemorrhage: Experience from Barrow Neurological Institute. *World Neurosurg*. 2018 Jul 31. pii: S1878-8750(18)31644-9. doi: 10.1016/j.wneu.2018.07.166. [Epub ahead of print] PubMed PMID: 30075258.

35: Chen CJ, Ding D, Kano H, Mathieu D, Kondziolka D, Feliciano C, Rodriguez-Mercado R, Sheehan DE, Grills IS, Barnett G, Lunsford LD, Sheehan JP. Effect of Advanced Age on Stereotactic Radiosurgery Outcomes for Brain Arteriovenous Malformations: A Multicenter Matched Cohort Study. *World Neurosurg*. 2018 Jul 30. pii: S1878-8750(18)31656-5. doi: 10.1016/j.wneu.2018.07.178. [Epub ahead of print] PubMed PMID: 30071340.

36: Godzik J, Kalb S, Reis MT, Reyes PM, Singh V, Newcomb AGUS, Chang SW, Kelly BP, Crawford NR. Biomechanical evaluation of interbody fixation with secondary augmentation: lateral lumbar interbody fusion versus posterior lumbar interbody fusion. *J Spine Surg*. 2018 Jun;4(2):180-186. doi: 10.21037/jss.2018.05.07. PubMed PMID: 30069505; PubMed Central PMCID: PMC6046322.

37: Ben-Haim S, Mirzadeh Z, Rosenberg WS. Deep brain stimulation for intractable neuropathic facial pain. *Neurosurg Focus*. 2018 Aug;45(2):E15. doi: 10.3171/2018.5.FOCUS18160. PubMed PMID:

30064325.

38: Zhou JJ, Chen T, Farber SH, Shetter AG, Ponce FA. Open-loop deep brain stimulation for the treatment of epilepsy: a systematic review of clinical outcomes over the past decade (2008-present). *Neurosurg Focus*. 2018 Aug;45(2):E5. doi: 10.3171/2018.5.FOCUS18161. PubMed PMID: 30064324.

39: Xu DS, Ponce FA. Deep brain stimulation for dementias. *Neurosurg Focus*. 2018 Aug;45(2):E8. doi: 10.3171/2018.5.FOCUS18172. PubMed PMID: 30064323.

40: Ponce FA, Foote KD, Lozano AM. Introduction. Deep brain stimulation in 2018. *Neurosurg Focus*. 2018 Aug;45(2):E1. doi: 10.3171/2018.5.FOCUS18248. PubMed PMID: 30064313.

41: Whiting AC, Oh MY, Whiting DM. Deep brain stimulation for appetite disorders: a review. *Neurosurg Focus*. 2018 Aug;45(2):E9. doi: 10.3171/2018.4.FOCUS18141. PubMed PMID: 30064311.

42: DiPerna DM, Prakapenka AV, Chung EP, Sirianni RW. Non-Enzymatic Tissue Homogenization for Biodistribution Analysis. *Methods Mol Biol*. 2018;1831:191-199. doi: 10.1007/978-1-4939-8661-3_14. PubMed PMID: 30051433.

43: Dou N, Lehrman JN, Newcomb AGUS, Kelly BP. In Reply to the Letter to the Editor "C2 Spinous Process Screws". *World Neurosurg*. 2018 Aug;116:477. doi: 10.1016/j.wneu.2018.05.013. PubMed PMID: 30049031.

44: Ren Y, Kok HK, Zhou K, Maingard J, Chandra RV, Lee MJ, Barras CD, Brooks M, Albuquerque FC, Tarr RW, Hirsch JA, Asadi H. The 100 most cited articles in the Journal of NeuroInterventional Surgery. *J Neurointerv Surg*. 2018 Jul 24. pii: neurintsurg-2018-014079. doi: 10.1136/neurintsurg-2018-014079. [Epub ahead of print] PubMed PMID: 30045948.

45: Fiorella D, Lylyk P, Szikora I, Kelly ME, Albuquerque FC, McDougall CG, Nelson PK. Curative cerebrovascular reconstruction with the Pipeline embolization device: the emergence of definitive endovascular therapy for intracranial aneurysms. *J Neurointerv Surg*. 2018 Jul;10(Suppl 1):i9-i18. doi: 10.1136/jnis.2009.000083.rep. Review. PubMed PMID: 30037946.

46: Izadyyazdanabadi M, Belykh E, Mooney MA, Eschbacher JM, Nakaji P, Yang Y, Preul MC. Prospects for Theranostics in Neurosurgical Imaging: Empowering Confocal Laser Endomicroscopy Diagnostics via Deep Learning. *Front Oncol*. 2018 Jul 3;8:240. doi: 10.3389/fonc.2018.00240. eCollection 2018. Review. PubMed PMID: 30035099; PubMed Central PMCID: PMC6043805.

47: Farber H, McDowell MM, Alhourani A, Agarwal N, Friedlander RM. Duraplasty Type as a Predictor of Meningitis and Shunting After Chiari I Decompression. *World Neurosurg*. 2018 Jul 17. pii: S1878-8750(18)31528-6. doi: 10.1016/j.wneu.2018.07.050. [Epub ahead of print] PubMed PMID: 30026145.

48: Tayebi Meybodi A, Gandhi S, Lawton MT, Preul MC. Anterior Greater Auricular Point: Novel Anatomic Landmark to Facilitate Harvesting of the Greater Auricular Nerve. *World Neurosurg*. 2018 Jul 11. pii: S1878-8750(18)31477-3. doi: 10.1016/j.wneu.2018.07.001. [Epub ahead of print] PubMed PMID: 30017768.

49: Ding D, Sekar P, Moomaw CJ, Comeau ME, James ML, Testai F, Flaherty ML, Vashkevich A, Worrall BB, Woo D, Osborne J. Venous Thromboembolism in Patients With Spontaneous Intracerebral Hemorrhage: A Multicenter Study. *Neurosurgery*. 2018 Jul 13. doi: 10.1093/neuros/nyy333. [Epub ahead of print] PubMed PMID: 30011018.

50: Woodall MN, Spetzler RF. Microsurgical Treatment of Recurrent Conus Medullaris Arteriovenous Malformation: 2-Dimensional Operative Video. *Oper Neurosurg* (Hagerstown). 2018 Jul 13. doi: 10.1093/ons/opy180. [Epub ahead of print] PubMed PMID: 30011012.

51: Hlubek RJ, Xu DS, Mulholland CB, Gilson J, Theodore N, Turner JD, Kakarla UK. Operative Management of Idiopathic Spinal Cord Herniation: Case Series and Novel Technique for Repair of Recurrent Herniation. *Oper Neurosurg* (Hagerstown). 2018 Jul 13. doi: 10.1093/ons/opy129. [Epub ahead of print] PubMed PMID: 30011010.

52: Bozkurt B, Yağmurlu K, Belykh E, Meybodi AT, Staren MS, Aklinski JL, Preul MC, Grande AW, Nakaji P, Lawton MT. Quantitative anatomical analysis of the transcallosal-transchoroidal approach and the transcallosal-subchoroidal approach to the floor of the third ventricle: an anatomical study. *World Neurosurg*. 2018 Jul 12. pii: S1878-8750(18)31079-9. doi: 10.1016/j.wneu.2018.05.126. [Epub ahead of print] PubMed PMID: 30010067.

53: Eastlack RK, Ledesma JB, Tran S, Khalsa A, Park P, Mummaneni PV, Chou D, Kanter AS, Anand N, Nunley P, La Marca F, Fessler RG, Uribe JS, Mundis GM Jr; International Spine Study Group. Home Versus Rehabilitation: Factors that Influence Disposition After Minimally Invasive Surgery in Adult Spinal Deformity Surgery. *World Neurosurg*. 2018 Jul 10. pii: S1878-8750(18)31473-6. doi: 10.1016/j.wneu.2018.06.249. [Epub ahead of print] PubMed PMID: 30006134.

54: Bigder MG, Krishnan S, Cook EF, Kaufmann AM. Microsurgical rhizotomy for trigeminal neuralgia in MS patients: technique, patient satisfaction, and clinical outcomes. *J Neurosurg*. 2018 Jul 13;1-12. doi: 10.3171/2017.12.JNS171647. [Epub ahead of print] PubMed PMID: 30004276.

55: Snyder LA. Integrating robotics into a minimally invasive transforaminal interbody fusion workflow. *Neurosurg Focus*. 2018 Jul;45(VideoSuppl1):V4. doi: 10.3171/2018.7.FocusVid.18111. PubMed PMID: 29963914.

56: Zygourakis CC, Ahmed AK, Kalb S, Zhu AM, Bydon A, Crawford NR, Theodore N. Technique: open lumbar decompression and fusion with the Excelsius GPS robot. *Neurosurg Focus*. 2018 Jul;45(VideoSuppl1):V6. doi: 10.3171/2018.7.FocusVid.18123. PubMed PMID: 29963912.

57: Chen CJ, Norat P, Ding D, Mendes GAC, Tvrdik P, Park MS, Kalani MY. Transvenous embolization of brain arteriovenous malformations: a review of techniques, indications, and outcomes. *Neurosurg Focus*. 2018 Jul;45(1):E13. doi: 10.3171/2018.3.FOCUS18113. PubMed PMID: 29961383.

58: Toda H, Iwasaki K, Yoshimoto N, Miki Y, Hashikata H, Goto M, Nishida N. Bridging veins and veins of the brainstem in microvascular decompression surgery for trigeminal neuralgia and hemifacial spasm. *Neurosurg Focus*. 2018 Jul;45(1):E2. doi: 10.3171/2018.4.FOCUS18122. PubMed PMID: 29961378.

59: Belykh E, Onaka NR, Zhao X, Cavallo C, Yağmurlu K, Lei T, Byvaltsev VA, Preul MC, Nakaji P. Endoscopically Assisted Targeted Keyhole Retrosigmoid Approaches for Microvascular Decompression: Quantitative Anatomic Study. *World Neurosurg*. 2018 Jun 27. pii: S1878-8750(18)30938-0. doi: 10.1016/j.wneu.2018.04.218. [Epub ahead of print] PubMed PMID: 29960095.

60: Zhao X, Zhao D, Wu Y, Gao W, Cui H, Wang Y, Nakaji P, Bao Y. Meningioma in the elderly: Characteristics, prognostic factors, and surgical strategy. *J Clin Neurosci*. 2018 Jun 26. pii: S0967-5868(17)32204-X. doi: 10.1016/j.jocn.2018.06.011. [Epub ahead of print] PubMed PMID:

29958757.

61: 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.

62: Tayebi Meybodi A, Gandhi S, Mascitelli J, Bozkurt B, Bot G, Preul MC, Lawton MT. The oculomotor-tentorial triangle. Part 1: microsurgical anatomy and techniques to enhance exposure. *J Neurosurg.* 2018 Jun 29;1-9. doi: 10.3171/2018.1.JNS173139. [Epub ahead of print] PubMed PMID: 29957111.

63: Mascitelli JR, Gandhi S, Tayebi Meybodi A, Lawton MT. The oculomotor-tentorial triangle. Part 2: a microsurgical workspace for vascular lesions in the crural and ambient cisterns. *J Neurosurg.* 2018 Jun 29;1-11. doi: 10.3171/2018.2.JNS173141. [Epub ahead of print] PubMed PMID: 29957110.

64: Wu Y, Liu W, Zhou Y, Hilton T, Zhao Z, Liu W, Wang M, Yeon J, Houck K, Thiagarajan P, Zhang F, Shi FD, Wu X, Li M, Dong JF, Zhang J. von Willebrand factor enhances microvesicle-induced vascular leakage and coagulopathy in mice with traumatic brain injury. *Blood.* 2018 Sep 6;132(10):1075-1084. doi: 10.1182/blood-2018-03-841932. Epub 2018 Jun 25. PubMed PMID: 29941674; PubMed Central PMCID: PMC6128082.

65: Davidson B, Alotaibi NM, Hendricks BK, Cohen-Gadol AA. Popularity of Online Multimedia Educational Resources in Neurosurgery: Insights from The Neurosurgical Atlas Project. *J Surg Educ.* 2018 Jun 20. pii: S1931-7204(18)30006-0. doi: 10.1016/j.jsurg.2018.05.001. [Epub ahead of print] PubMed PMID: 29933900.

66: Xu DS, Paluzzi J, Kanter AS, Uribe JS. Anterior Column Release/Realignment. *Neurosurg Clin N Am.* 2018 Jul;29(3):427-437. doi: 10.1016/j.nec.2018.03.008. Review. PubMed PMID: 29933810.

67: Hlubek RJ, Eastlack RK, Mundis GM Jr. Transposas Approach Nuances. *Neurosurg Clin N Am.* 2018 Jul;29(3):407-417. doi: 10.1016/j.nec.2018.02.002. Epub 2018 Apr 26. Review. PubMed PMID: 29933808.

68: Pawlikowska L, Nelson J, Guo DE, McCulloch CE, Lawton MT, Kim H, Faughnan ME; Brain Vascular Malformation Consortium HHT Investigator Group. Association of common candidate variants with vascular malformations and intracranial hemorrhage in hereditary hemorrhagic telangiectasia. *Mol Genet Genomic Med.* 2018 May;6(3):350-356. doi: 10.1002/mgg3.377. Epub 2018 Mar 6. PubMed PMID: 29932521; PubMed Central PMCID: PMC6014448.

69: Bohl MA, Mooney MA, Repp GJ, Cavallo C, Nakaji P, Chang SW, Turner JD, Kakarla UK. The Barrow Biomimetic Spine: Comparative Testing of a 3D-Printed L4-L5 Schwab Grade 2 Osteotomy Model to a Cadaveric Model. *Cureus.* 2018 Apr 17;10(4):e2491. doi: 10.7759/cureus.2491. PubMed PMID: 29922532; PubMed Central PMCID: PMC6003793.

70: Zussman B, Weiner G, Ducruet A. A Randomized Trial of Second-Generation Hydrogel Neurovascular Coils. *Neurosurgery.* 2018 Jul 1;83(1):E6-E7. doi: 10.1093/neuros/nyy169. PubMed PMID: 29917131.

71: Leoutsakos JS, Yan H, Anderson WS, Asaad WF, Baltuch G, Burke A, Chakravarty MM, Drake KE, Foote KD, Fosdick L, Giacobbe P, Mari Z, McAndrews MP, Munro CA, Oh ES, Okun MS, Pendergrass JC, Ponce FA, Rosenberg PB, Sabbagh MN, Salloway S, Tang-Wai DF, Targum SD, Wolk D, Lozano AM, Smith GS, Lyketsos CG. Deep Brain Stimulation Targeting the Fornix for Mild Alzheimer Dementia (the

ADvance Trial): A Two Year Follow-up Including Results of Delayed Activation. *J Alzheimers Dis.* 2018;64(2):597-606. doi: 10.3233/JAD-180121. PubMed PMID: 29914028.

72: Mascitelli J, Gandhi S, Wright E, Lawton MT. Transsylvian-Transinsular Approach for an Insular Cavernous Malformation Resection: 3-Dimensional Operative Video. *Oper Neurosurg (Hagerstown)*. 2018 Jun 14. doi: 10.1093/ons/opy155. [Epub ahead of print] PubMed PMID: 29905877.

73: Fifi JT, Dabus G, Mack WJ, Mocco J, Pride L, Arthur AS, Albuquerque FC. In the thrombectomy era, triage in the field improves care. *J Neurointerv Surg.* 2018 Jul;10(7):607-608. doi: 10.1136/neurintsurg-2018-014136. PubMed PMID: 29903978.

74: Tumialán LM, Ponton RP, Cooper AN, Gluf WM, Tomlin JM. Rate of Return to Military Active Duty After Single and 2-Level Anterior Cervical Discectomy and Fusion: A 4-Year Retrospective Review. *Neurosurgery.* 2018 Jun 8. doi: 10.1093/neuros/nyy230. [Epub ahead of print] PubMed PMID: 29889242.

75: 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 Sep;22(3):225-232. doi: 10.3171/2018.3.PEDS17234. Epub 2018 Jun 8. PubMed PMID: 29882736.

76: Hashimoto Y, Penas-Prado M, Zhou S, Wei J, Khatua S, Hodges TR, Sanai N, Xiu J, Gatalica Z, Kim L, Kesari S, Rao G, Spetzler D, Heimberger A. Rethinking medulloblastoma from a targeted therapeutics perspective. *J Neurooncol.* 2018 Sep;139(3):713-720. doi: 10.1007/s11060-018-2917-2. Epub 2018 Jun 5. PubMed PMID: 29869738.

77: Bohl MA, Xu DS, Cavallo C, Paisan GM, Smith KA, Nakaji P. The Barrow Innovation Center Case Series: A Novel 3-Dimensional-Printed Retractor for Use with Electromagnetic Neuronavigation Systems. *World Neurosurg.* 2018 Aug;116:e1075-e1078. doi: 10.1016/j.wneu.2018.05.167. Epub 2018 Jun 1. PubMed PMID: 29864557.

78: Bohl MA, Xu DS, Daniels L, Chang SW, Nakaji P, Porter RW, Kakarla UK. The Barrow Innovation Center Case Series: Early Clinical Experience with Novel, Low-Cost Techniques for Bone Graft Containment in the Posterolateral Fusion Bed. *World Neurosurg.* 2018 Aug;116:285-295. doi: 10.1016/j.wneu.2018.05.143. Epub 2018 May 29. PubMed PMID: 29857211.

79: Tayebi Meybodi A, Benet A, Griswold D, Dones F, Preul MC, Lawton MT. Anatomical Assessment of the Temporopolar Artery for Revascularization of Deep Recipients. *Oper Neurosurg (Hagerstown)*. 2018 May 30. doi: 10.1093/ons/opy115. [Epub ahead of print] PubMed PMID: 29850897.

80: Paisan GM, Ding D, Xu Z, Liu KC. Effect of Dual Antiplatelet Therapy on Shunt Outcomes in Patients with Aneurysmal Subarachnoid Hemorrhage: A Matched Cohort Pilot Study. *Cureus.* 2018 Mar 28;10(3):e2383. doi: 10.7759/cureus.2383. PubMed PMID: 29850378; PubMed Central PMCID: PMC5973489.

81: Chen CJ, Ding D, Buell TJ, Testai FD, Koch S, Woo D, Worrall BB; ERICH Investigators. Restarting antiplatelet therapy after spontaneous intracerebral hemorrhage: Functional outcomes. *Neurology.* 2018 Jul 3;91(1):e26-e36. doi: 10.1212/WNL.0000000000005742. Epub 2018 May 30. PubMed PMID: 29848784; PubMed Central PMCID: PMC6091879.

- 82: Everson RG, Hashimoto Y, Freeman JL, Hodges TR, Huse J, Zhou S, Xiu J, Spetzler D, Sanai N, Kim L, Kesari S, Brenner A, De Monte F, Heimberger A, Raza SM. Multiplatform profiling of meningioma provides molecular insight and prioritization of drug targets for rational clinical trial design. *J Neurooncol*. 2018 Sep;139(2):469-478. doi: 10.1007/s11060-018-2891-8. Epub 2018 May 30. PubMed PMID: 29846894.
- 83: Abunimer AM, Abou-Al-Shaar H, Cavallo C, Mahan MA, Labib MA. Minimally invasive approaches for the management of intraventricular hemorrhage. *J Neurosurg Sci*. 2018 May 28. doi: 10.23736/S0390-5616.18.04511-3. [Epub ahead of print] PubMed PMID: 29808639.
- 84: Leslie-Mazwi T, Chandra RV, Fraser JF, Hoh B, Baxter BW, Albuquerque FC, Hirsch JA. AHA/ASA 2018 AIS guidelines: impact and opportunity for endovascular stroke care. *J Neurointerv Surg*. 2018 Sep;10(9):813-817. doi: 10.1136/neurintsurg-2018-013911. Epub 2018 May 28. PubMed PMID: 29807886.
- 85: Ding D, Buell TJ, Raper DM, Chen CJ, Mastorakos P, Liu KC, Vollmer DG. Sylvian Arteriovenous Malformation Resection and Associated Middle Cerebral Artery Aneurysm Clipping: Technical Nuances of Concurrent Surgical Treatment. *Cureus*. 2018 Feb 7;10(2):e2166. doi: 10.7759/cureus.2166. PubMed PMID: 29805922; PubMed Central PMCID: PMC5963952.
- 86: Neuwirth C, Braun N, Claeys KG, Bucelli R, Fournier C, Bromberg M, Petri S, Goedee S, Lenglet T, Leppanen R, Canosa A, Goodman I, Al-Lozi M, Ohkubo T, Hübers A, Atassi N, Abrahao A, Funke A, Appelfeller M, Tümmler A, Finegan E, Glass JD, Babu S, Ladha SS, Kwast-Rabben O, Juntas-Morales R, Coffey A, Chaudhry V, Vu T, Saephanh C, Newhard C, Zakrzewski M, Rosier E, Hamel N, Raheja D, Raaijman J, Ferguson T, Weber M. Implementing Motor Unit Number Index (MUNIX) in a large clinical trial: Real world experience from 27 centres. *Clin Neurophysiol*. 2018 Aug;129(8):1756-1762. doi: 10.1016/j.clinph.2018.04.614. Epub 2018 May 3. PubMed PMID: 29803404.
- 87: Bohl MA, Martirosyan NL, Killeen ZW, Belykh E, Zabramski JM, Spetzler RF, Preul MC. The history of therapeutic hypothermia and its use in neurosurgery. *J Neurosurg*. 2018 May 25:1-15. doi: 10.3171/2017.10.JNS171282. [Epub ahead of print] PubMed PMID: 29799343.
- 88: Lawton MT, Mascitelli J. In Reply: Passing the Needle and Pulling the Thread. *Oper Neurosurg (Hagerstown)*. 2018 Sep 1;15(3):E32. doi: 10.1093/ons/opy095. PubMed PMID: 29796638.
- 89: Byvaltsev VA, Akshulakov SK, Polkin RA, Ochkal SV, Stepanov IA, Makhambetov YT, Kerimbayev TT, Staren M, Belykh E, Preul MC. Microvascular Anastomosis Training in Neurosurgery: A Review. *Minim Invasive Surg*. 2018 Mar 28;2018:6130286. doi: 10.1155/2018/6130286. eCollection 2018. Review. PubMed PMID: 29796313; PubMed Central PMCID: PMC5896222.
- 90: Pendharkar AV, Shahin MN, Cavallo C, Zhao X, Ho AL, Sussman ES, Grant GA. Minimally invasive approaches to craniosynostosis. *J Neurosurg Sci*. 2018 May 22. doi: 10.23736/S0390-5616.18.04483-1. [Epub ahead of print] PubMed PMID: 29790726.
- 91: Tabani H, Yousef S, Burkhardt JK, Gandhi S, Benet A, Lawton MT. Macrovascular Decompression of Facial Nerve With Anteromedial Transposition of a Dolichoectatic Vertebral Artery: 3-Dimensional Operative Video. *Oper Neurosurg (Hagerstown)*. 2018 May 21. doi: 10.1093/ons/opy117. [Epub ahead of print] PubMed PMID: 29788154.
- 92: Chen CJ, Buell TJ, Diamond J, Ding D, Kumar JS, Taylor DG, Lee CC, Sheehan JP. Stereotactic Radiosurgery for High-Grade Intracranial Dural Arteriovenous Fistulas. *World Neurosurg*. 2018 Aug;116:e640-e648. doi: 10.1016/j.wneu.2018.05.062. Epub 2018 May 17. PubMed PMID: 29777886.

- 93: Mooney MA, Yoon S, Cole T, Sheehy JP, Bohl MA, Barranco FD, Nakaji P, Little AS, Lawton MT. Cost Transparency in Neurosurgery: A Single-Institution Analysis of Patient Out-of-Pocket Spending in 13 673 Consecutive Neurosurgery Cases. *Neurosurgery*. 2018 May 15. doi: 10.1093/neuros/nyy185. [Epub ahead of print] PubMed PMID: 29767766.
- 94: Mooney MA, Hendricks B, Sarris CE, Spetzler RF, Almefty KK, Porter RW. Long-Term Facial Nerve Outcomes after Microsurgical Resection of Vestibular Schwannomas in Patients with Preoperative Facial Nerve Palsy. *J Neurol Surg B Skull Base*. 2018 Jun;79(3):309-313. doi: 10.1055/s-0037-1607320. Epub 2017 Nov 3. PubMed PMID: 29765830; PubMed Central PMCID: PMC5951693.
- 95: 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.
- 96: Zapata L, Wright EJ, Nakaji P. Clinical and Neurosurgical Management of Cranial Machete Injuries: The Experience of a Tertiary Referral Center in Nicaragua. *World Neurosurg*. 2018 Aug;116:140-143. doi: 10.1016/j.wneu.2018.05.020. Epub 2018 Jun 5. PubMed PMID: 29758367.
- 97: Ding D, Mehta GU, Patibandla MR, Lee CC, Liscak R, Kano H, Pai FY, Kosak M, Sisterson ND, Martinez-Alvarez R, Martinez-Moreno N, Mathieu D, Grills IS, Blas K, Lee K, Cifarelli CP, Katsevman GA, Lee JYK, McShane B, Kondziolka D, Lunsford LD, Vance ML, Sheehan JP. Stereotactic Radiosurgery for Acromegaly: An International Multicenter Retrospective Cohort Study. *Neurosurgery*. 2018 May 10. doi: 10.1093/neuros/nyy178. [Epub ahead of print] PubMed PMID: 29757421.
- 98: Przybylowski CJ, Baranoski JF, See AP, Flores BC, Almefty RO, Ding D, Chapple KM, Sanai N, Ducruet AF, Albuquerque FC. Preoperative Embolization of Skull Base Meningiomas: Outcomes in the Onyx Era. *World Neurosurg*. 2018 Aug;116:e371-e379. doi: 10.1016/j.wneu.2018.04.208. Epub 2018 May 9. PubMed PMID: 29751190.
- 99: Bohl MA, Mooney MA, Repp GJ, Nakaji P, Chang SW, Turner JD, Kakarla UK. The Barrow Biomimetic Spine: Fluoroscopic Analysis of a Synthetic Spine Model Made of Variable 3D-printed Materials and Print Parameters. *Spine (Phila Pa 1976)*. 2018 May 10. doi: 10.1097/BRS.0000000000002715. [Epub ahead of print] PubMed PMID: 29750754.
- 100: Kotoda M, Furukawa H, Miyamoto T, Korai M, Shikata F, Kuwabara A, Xiong X, Rutledge C, Giffard RG, Hashimoto T. Role of Myeloid Lineage Cell Autophagy in Ischemic Brain Injury. *Stroke*. 2018 Jun;49(6):1488-1495. doi: 10.1161/STROKEAHA.117.018637. Epub 2018 May 10. PubMed PMID: 29748423; PubMed Central PMCID: PMC5970995.
- 101: Yuen KCJ, Miller BS, Biller BMK. The current state of long-acting growth hormone preparations for growth hormone therapy. *Curr Opin Endocrinol Diabetes Obes*. 2018 Aug;25(4):267-273. doi: 10.1097/MED.0000000000000416. PubMed PMID: 29746309.
- 102: Newcomb AGUS, Turner JD, Kelly BP. Letter to Editor: Strain in Posterior Instrumentation Resulted by Different Combinations of Posterior and Anterior Devices for Long Spine Fusion Constructs. *Spine Deform*. 2018 May - Jun;6(3):334-335. doi: 10.1016/j.jspd.2018.03.006. PubMed PMID: 29735146.
- 103: Hafez A, Koroknay-Pál P, Oulasvirta E, Elseoud AA, Lawton MT, Niemelä M, Laakso A. The Application of the Novel Grading Scale (Lawton-Young Grading System) to Predict the Outcome of Brain Arteriovenous Malformation. *Neurosurgery*. 2018 May 4. doi: 10.1093/neuros/nyy153. [Epub

ahead of print] PubMed PMID: 29733392.

104: Wang L, Cai L, Qian H, Lawton MT, Shi X. The In Situ Side-To-Side Bypass Technique: A Comprehensive Review of the Technical Characteristics, Current Anastomosis Approaches, and Surgical Experience. *World Neurosurg*. 2018 Jul;115:357-372. doi: 10.1016/j.wneu.2018.04.173. Epub 2018 May 3. Review. PubMed PMID: 29729474.

105: Reed ME, Anthony PP, Rosenfeld PB, Ligon BL, Doris EM, Fox SW. Reflections on 50 Years of Neuroscience Nursing: Neuro-Oncology, Moving Forward by Looking Back. *J Neurosci Nurs*. 2018 Jun;50(3):124-128. doi: 10.1097/JNN.0000000000000343. PubMed PMID: 29727391.

106: Roos A, Dhruv HD, Peng S, Inge LJ, Tuncali S, Pineda M, Millard N, Mayo Z, Eschbacher JM, Loftus JC, Winkles JA, Tran NL. EGFRvIII-Stat5 Signaling Enhances Glioblastoma Cell Migration and Survival. *Mol Cancer Res*. 2018 Jul;16(7):1185-1195. doi: 10.1158/1541-7786.MCR-18-0125. Epub 2018 May 3. PubMed PMID: 29724813; PubMed Central PMCID: PMC6030495.

107: Pottier C, Zhou X, Perkerson RB 3rd, Baker M, Jenkins GD, Serie DJ, Ghidoni R, Benussi L, Binetti G, López de Munain A, Zulaica M, Moreno F, Le Ber I, Pasquier F, Hannequin D, Sánchez-Valle R, Antonell A, Lladó A, Parsons TM, Finch NA, Finger EC, Lippa CF, Huey ED, Neumann M, Heutink P, Synofzik M, Wilke C, Rissman RA, Slawek J, Sitek E, Johannsen P, Nielsen JE, Ren Y, van Blitterswijk M, DeJesus-Hernandez M, Christopher E, Murray ME, Bieniek KF, Evers BM, Ferrari C, Rollinson S, Richardson A, Scarpini E, Fumagalli GG, Padovani A, Hardy J, Momeni P, Ferrari R, Frangipane F, Maletta R, Anfossi M, Gallo M, Petrucelli L, Suh E, Lopez OL, Wong TH, van Rooij JGJ, Seelaar H, Mead S, Caselli RJ, Reiman EM, Noel Sabbagh M, Kjolby M, Nykjaer A, Karydas AM, Boxer AL, Grinberg LT, Grafman J, Spina S, Oblak A, Mesulam MM, Weintraub S, Geula C, Hodges JR, Piguet O, Brooks WS, Irwin DJ, Trojanowski JQ, Lee EB, Josephs KA, Parisi JE, Ertekin-Taner N, Knopman DS, Nacmias B, Piaceri I, Bagnoli S, Sorbi S, Gearing M, Glass J, Beach TG, Black SE, Masellis M, Rogaeva E, Vonsattel JP, Honig LS, Kofler J, Bruni AC, Snowden J, Mann D, Pickering-Brown S, Diehl-Schmid J, Winkelmann J, Galimberti D, Graff C, Öijersted L, Troakes C, Al-Sarraj S, Cruchaga C, Cairns NJ, Rohrer JD, Halliday GM, Kwok JB, van Swieten JC, White CL 3rd, Ghetti B, Murell JR, Mackenzie IRA, Hsiung GR, Borroni B, Rossi G, Tagliavini F, Wszolek ZK, Petersen RC, Bigio EH, Grossman M, Van Deerlin VM, Seeley WW, Miller BL, Graff-Radford NR, Boeve BF, Dickson DW, Biernacka JM, Rademakers R. Potential genetic modifiers of disease risk and age at onset in patients with frontotemporal lobar degeneration and GRN mutations: a genome-wide association study. *Lancet Neurol*. 2018 Jun;17(6):548-558. doi: 10.1016/S1474-4422(18)30126-1. Epub 2018 Apr 30. PubMed PMID: 29724592.

108: Mascitelli JR, Lawton MT. Letter: Results of Surgery for Low-Grade Brain Arteriovenous Malformation Resection by Early Career Neurosurgeons: An Observational Study. *Neurosurgery*. 2018 Aug 1;83(2):E91. doi: 10.1093/neuros/nyy165. PubMed PMID: 29718446.

109: Ferguson SD, Zhou S, Huse JT, de Groot JF, Xiu J, Subramaniam DS, Mehta S, Gatalica Z, Swensen J, Sanai N, Spetzler D, Heimberger AB. Targetable Gene Fusions Associate With the IDH-wildtype Astrocytic Lineage in Adult Gliomas. *J Neuropathol Exp Neurol*. 2018 Jun 1;77(6):437-442. doi: 10.1093/jnen/nly022. PubMed PMID: 29718398; PubMed Central PMCID: PMC5961205.

110: Dossani RH, Adeeb N, Tumialán LM. Commentary: Trends in the National Resident Matching Program (NRMP) Data for Graduating US Medical Students Matching in Neurosurgery. *Neurosurgery*. 2018 Aug 1;83(2):E65-E70. doi: 10.1093/neuros/nyy181. PubMed PMID: 29718368.

111: Pennington Z, Zygourakis C, Ahmed AK, Kalb S, Zhu A, Theodore N. Immediate improvement of intraoperative monitoring signals following CSF release for cervical spine stenosis: Case report. *J Clin Neurosci*. 2018 Jul;53:235-237. doi: 10.1016/j.jocn.2018.04.023. Epub 2018 Apr 30. PubMed PMID:

29716808.

112: Moosa S, Ding D, Mastorakos P, Sheehan JP, Liu KC, Starke RM. Endoport-assisted surgical evacuation of a deep-seated cerebral abscess. *J Clin Neurosci*. 2018 Jul;53:269-272. doi: 10.1016/j.jocn.2018.04.028. Epub 2018 Apr 30. PubMed PMID: 29716807.

113: Yoon S, Mooney MA, Bohl MA, Sheehy JP, Nakaji P, Little AS, Lawton MT. Patient out-of-pocket spending in cranial neurosurgery: single-institution analysis of 6569 consecutive cases and literature review. *Neurosurg Focus*. 2018 May;44(5):E6. doi: 10.3171/2018.1.FOCUS17782. PubMed PMID: 29712524.

114: Januszewski J, Vivas AC, Uribe JS. Limitations and complications of minimally invasive spinal surgery in adult deformity. *Ann Transl Med*. 2018 Mar;6(6):109. doi: 10.21037/atm.2018.01.29. PubMed PMID: 29707558; PubMed Central PMCID: PMC5900069.

115: Xu DS, Walker CT, Godzik J, Turner JD, Smith W, Uribe JS. Minimally invasive anterior, lateral, and oblique lumbar interbody fusion: a literature review. *Ann Transl Med*. 2018 Mar;6(6):104. doi: 10.21037/atm.2018.03.24. Review. PubMed PMID: 29707553; PubMed Central PMCID: PMC5900070.

116: Walker CT, Xu DS, Godzik J, Turner JD, Uribe JS, Smith WD. Minimally invasive surgery for thoracolumbar spinal trauma. *Ann Transl Med*. 2018 Mar;6(6):102. doi: 10.21037/atm.2018.02.10. Review. PubMed PMID: 29707551; PubMed Central PMCID: PMC5900064.

117: Jadhav A, Panczykowski D, Jumaa M, Aghaebrahim A, Ranginani M, Nguyen F, Desai SM, Grandhi R, Ducruet A, Gross BA, Jankowitz BT, Jovin TG. Angioplasty and stenting for symptomatic extracranial non-tandem internal carotid artery occlusion. *J Neurointerv Surg*. 2018 Apr 29. pii: neurintsurg-2018-013810. doi: 10.1136/neurintsurg-2018-013810. [Epub ahead of print] PubMed PMID: 29706606.

118: Wang L, Shi X, Qian H. Feasibility of Using Internal Thoracic Artery as Donor Vessel in High-Flow Intracranial Bypass Surgery. *World Neurosurg*. 2018 May;113:396. doi: 10.1016/j.wneu.2018.01.217. PubMed PMID: 29702962.

119: Phan J, Pollard C 3rd, Brown PD, Guha-Thakurta N, Garden AS, Rosenthal DI, Fuller CD, Frank SJ, Gunn GB, Morrison WH, Ho JC, Li J, Ghia AJ, Yang JN, Luo D, Wang HC, Su SY, Raza SM, Gidley PW, Hanna EY, DeMonte F. Stereotactic radiosurgery for trigeminal pain secondary to recurrent malignant skull base tumors. *J Neurosurg*. 2018 Apr 27:1-10. doi: 10.3171/2017.11.JNS172084. [Epub ahead of print] PubMed PMID: 29701557.

120: Tuleasca C, Régis J, Sahgal A, De Salles A, Hayashi M, Ma L, Martínez-Álvarez R, Paddick I, Ryu S, Slotman BJ, Levivier M. Stereotactic radiosurgery for trigeminal neuralgia: a systematic review. *J Neurosurg*. 2018 Apr 27:1-25. doi: 10.3171/2017.9.JNS17545. [Epub ahead of print] PubMed PMID: 29701555.

121: Mooney MA, Simon ED, Brigeman S, Nakaji P, Zabramski JM, Lawton MT, Spetzler RF. Long-term results of middle cerebral artery aneurysm clipping in the Barrow Ruptured Aneurysm Trial. *J Neurosurg*. 2018 Apr 27:1-7. doi: 10.3171/2017.10.JNS172183. [Epub ahead of print] PubMed PMID: 29701554.

122: Xu Z, Mathieu D, Heroux F, Abbassy M, Barnett G, Mohammadi AM, Kano H, Caruso J, Shih HH, Grills IS, Lee K, Krishnan S, Kaufmann AM, Lee JYK, Alonso-Basanta M, Kerr M, Pierce J, Kondziolka D,

- Hess JA, Gerrard J, Chiang V, Lunsford LD, Sheehan JP. Stereotactic Radiosurgery for Trigeminal Neuralgia in Patients With Multiple Sclerosis: A Multicenter Study. *Neurosurgery*. 2018 Apr 23. doi: 10.1093/neuros/nyy142. [Epub ahead of print] PubMed PMID: 29688562.
- 123: Williams MM, Wilson TA, Leslie-Mazwi T, Hirsch JA, Kellogg RT, Spiotta AM, De Leacy R, Mocco J, Albuquerque F, Ducruet AF, Arthur A, Srinivasan VM, Kan P, Mokin M, Dumont TM, Reeves A, Singh J, Wolfe SQ, Fargen KM. The burden of neurothrombectomy call: a multicenter prospective study. *J Neurointerv Surg*. 2018 Apr 20. pii: neurintsurg-2018-013772. doi: 10.1136/neurintsurg-2018-013772. [Epub ahead of print] PubMed PMID: 29678885.
- 124: Steinberg JA, Sack J, Wilson B, Weingarten D, Carter B, Khalessi A, Ben-Haim S, Alksne J. Tentorial sling for microvascular decompression in patients with trigeminal neuralgia: a description of operative technique and clinical outcomes. *J Neurosurg*. 2018 Apr 20;1-6. doi: 10.3171/2017.10.JNS17971. [Epub ahead of print] PubMed PMID: 29676696.
- 125: Bohl MA, Almefty KK, Preul MC, Turner JD, Kakarla UK, Reece EM, Chang SW. Vascularized Spinous Process Graft Rotated on a Paraspinal Muscle Pedicle for Lumbar Fusion: Technique Description and Early Clinical Experience. *World Neurosurg*. 2018 Jul;115:186-192. doi: 10.1016/j.wneu.2018.04.039. Epub 2018 Apr 17. PubMed PMID: 29673822.
- 126: Belykh E, Miller EJ, Patel AA, Yazdanabadi MI, Martirosyan NL, Yağmurlu K, Bozkurt B, Byvaltsev VA, Eschbacher JM, Nakaji P, Preul MC. Diagnostic Accuracy of a Confocal Laser Endomicroscope for In Vivo Differentiation Between Normal Injured And Tumor Tissue During Fluorescein-Guided Glioma Resection: Laboratory Investigation. *World Neurosurg*. 2018 Jul;115:e337-e348. doi: 10.1016/j.wneu.2018.04.048. Epub 2018 Apr 17. PubMed PMID: 29673821.
- 127: Zussman B, Weiner G, Ducruet A. Addressing the Role of Intravenous Tissue-Plasminogen Activator in Patients with Large Vessel Occlusions. *Neurosurgery*. 2018 May 1;82(5):E109-E110. doi: 10.1093/neuros/nyy040. PubMed PMID: 29669118.
- 128: Xu F, Xu B, Huang L, Xiong J, Gu Y, Lawton MT. Surgical Treatment of Large or Giant Fusiform Middle Cerebral Artery Aneurysms: A Case Series. *World Neurosurg*. 2018 Jul;115:e252-e262. doi: 10.1016/j.wneu.2018.04.031. Epub 2018 Apr 14. PubMed PMID: 29660547.
- 129: Hu YS, Lee CC, Guo WY, Lin CJ, Yang HC, Wu HM, Liu KD, Chung WY. Trigeminal Nerve Atrophy Predicts Pain Recurrence After Gamma Knife Stereotactic Radiosurgery for Classical Trigeminal Neuralgia. *Neurosurgery*. 2018 Apr 11. doi: 10.1093/neuros/nyy122. [Epub ahead of print] PubMed PMID: 29660047.
- 130: Polster SP, Cao Y, Carroll T, Flemming K, Girard R, Hanley D, Hobson N, Kim H, Koenig J, Koskimäki J, Lane K, Majersik JJ, McBee N, Morrison L, Shenkar R, Stadnik A, Thompson RE, Zabramski J, Zeineddine HA, Awad IA. Trial Readiness in Cavernous Angiomas With Symptomatic Hemorrhage (CASH). *Neurosurgery*. 2018 Apr 11. doi: 10.1093/neuros/nyy108. [Epub ahead of print] PubMed PMID: 29660039.
- 131: Curry DJ, Raskin J, Ali I, Wilfong AA. MR-guided laser ablation for the treatment of hypothalamic hamartomas. *Epilepsy Res*. 2018 May;142:131-134. doi: 10.1016/j.eplepsyres.2018.03.013. Epub 2018 Apr 7. PubMed PMID: 29631919.
- 132: Moshayedi P, Giurgiutiu DV, Ducruet AF, Jankowitz BT, Jadhav AP. Provocative Testing Prior to Anterior Cerebral Artery Fusiform Aneurysm Embolization. *Interv Neurol*. 2018 Feb;7(1-2):36-41. doi: 10.1159/000482012. Epub 2017 Nov 8. PubMed PMID: 29628943; PubMed Central PMCID: PMC5881155.

133: 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.

134: Bozkurt B, Kalani MYS, Yağmurlu K, Belykh E, Preul MC, Nakaji P, Spetzler RF. Erratum to "Low Retrosigmoid Infratonsillar Approach to Lateral Medullary Lesions" [*World Neurosurgery* 111 (2018) 311-316]. *World Neurosurg*. 2018 Jun;114:438. doi: 10.1016/j.wneu.2018.03.127. Epub 2018 Apr 3. PubMed PMID: 29622523.

135: Hall WA, Pugh SL, Wefel JS, Armstrong TS, Gilbert MR, Brachman DG, Werner-Wasik M, Wendland MM, Brown PD, Chao ST, Roof KS, Robins HI, Mehta MP, Curran WJ Jr, Movsas B. Influence of Residual Disease Following Surgical Resection in Newly Diagnosed Glioblastoma on Clinical, Neurocognitive, and Patient Reported Outcomes. *Neurosurgery*. 2018 Mar 30. doi: 10.1093/neuros/nyy003. [Epub ahead of print] PubMed PMID: 29618054.

136: Cavallo C, Labib MA, Honea N, Nakaji P. Letter: Enrollment-To-Screening Ratio: An Undervalued Data in Randomized Clinical Trials. *Neurosurgery*. 2018 Jun 1;82(6):E184-E185. doi: 10.1093/neuros/nyy079. PubMed PMID: 29608756.

137: Gandhi SV, Januszewski J, Bach K, Graham R, Vivas AC, Paluzzi J, Kanter A, Okonkwo D, Tempel ZJ, Agarwal N, Uribe JS. Development of Proximal Junctional Kyphosis After Minimally Invasive Lateral Anterior Column Realignment for Adult Spinal Deformity. *Neurosurgery*. 2018 Mar 28. doi: 10.1093/neuros/nyy061. [Epub ahead of print] PubMed PMID: 29608699.

138: Martirosyan NL, Georges J, Eschbacher JM, Belykh E, Carotenuto A, Spetzler RF, Nakaji P, Preul MC. Confocal scanning microscopy provides rapid, detailed intraoperative histological assessment of brain neoplasms: Experience with 106 cases. *Clin Neurol Neurosurg*. 2018 Jun;169:21-28. doi: 10.1016/j.clineuro.2018.03.015. Epub 2018 Mar 21. PubMed PMID: 29604507.

139: Catapano JS, Chapman AJ, Farber SH, Horner LP, Morgan C, Brigeman S, Hendricks BK, Lu M, Fraser DR. Treadmill associated head injuries on the rise: an 18 year review of U.S. emergency room visits. *Brain Inj*. 2018;32(6):800-803. doi: 10.1080/02699052.2018.1458149. Epub 2018 Mar 30. PubMed PMID: 29601218.

140: Mascitelli JR, Bederson JB. In Reply: Navigation-Linked Heads-Up Display in Intracranial Surgery: Early Experience. *Oper Neurosurg (Hagerstown)*. 2018 Jun 1;14(6):E73. doi: 10.1093/ons/opy049. PubMed PMID: 29590451.

141: Belykh E, Kalinin AA, Martirosyan NL, Kerimbayev T, Theodore N, Preul MC, Byvaltsev VA. Facet Joint Fixation and Anterior, Direct Lateral, and Transforaminal Lumbar Interbody Fusions for Treatment of Degenerative Lumbar Disc Diseases: Retrospective Cohort Study of a New Minimally Invasive Technique. *World Neurosurg*. 2018 Jun;114:e959-e968. doi: 10.1016/j.wneu.2018.03.121. Epub 2018 Mar 26. PubMed PMID: 29588241.

142: Flores BC, See AP, Weiner GM, Jankowitz BT, Ducruet AF, Albuquerque FC. Use of the Apollo detachable-tip microcatheter for endovascular embolization of arteriovenous malformations and

arteriovenous fistulas. *J Neurosurg.* 2018 Mar 23;1-9. doi: 10.3171/2017.9.JNS17397. [Epub ahead of print] PubMed PMID: 29570006.

143: Nicolas A, Kenna KP, Renton AE, Ticozzi N, Faghri F, Chia R, Dominov JA, Kenna BJ, Nalls MA, Keagle P, Rivera AM, van Rheenen W, Murphy NA, van Vugt JJFA, Geiger JT, Van der Spek RA, Pliner HA, Shankaracharya, Smith BN, Marangi G, Topp SD, Abramzon Y, Gkazi AS, Eicher JD, Kenna A; ITALSGEN Consortium, Mora G, Calvo A, Mazzini L, Riva N, Mandrioli J, Caponnetto C, Battistini S, Volanti P, La Bella V, Conforti FL, Borghero G, Messina S, Simone IL, Trojsi F, Salvi F, Logullo FO, D'Alfonso S, Corrado L, Capasso M, Ferrucci L; Genomic Translation for ALS Care (GTAC) Consortium, Moreno CAM, Kamalakaran S, Goldstein DB; ALS Sequencing Consortium, Gitler AD, Harris T, Myers RM; NYGC ALS Consortium, Phatnani H, Musunuri RL, Evani US, Abhyankar A, Zody MC; Answer ALS Foundation, Kaye J, Finkbeiner S, Wyman SK, LeNail A, Lima L, Fraenkel E, Svendsen CN, Thompson LM, Van Eyk JE, Berry JD, Miller TM, Kolb SJ, Cudkowicz M, Baxi E; Clinical Research in ALS and Related Disorders for Therapeutic Development (CReATe) Consortium, Benatar M, Taylor JP, Rampersaud E, Wu G, Wu J; SLAGEN Consortium, Lauria G, Verde F, Fogh I, Tiloca C, Comi GP, Sorarù G, Cereda C; French ALS Consortium, Corcia P, Laaksovirta H, Myllykangas L, Jansson L, Valori M, Ealing J, Hamdalla H, Rollinson S, Pickering-Brown S, Orrell RW, Sidle KC, Malaspina A, Hardy J, Singleton AB, Johnson JO, Arepalli S, Sapp PC, McKenna-Yasek D, Polak M, Asress S, Al-Sarraj S, King A, Troakes C, Vance C, de Belleruche J, Baas F, Ten Asbroek ALMA, Muñoz-Blanco JL, Hernandez DG, Ding J, Gibbs JR, Scholz SW, Floeter MK, Campbell RH, Landi F, Bowser R, Pulst SM, Ravits JM, MacGowan DJL, Kirby J, Piro EP, Pamphlett R, Broach J, Gerhard G, Dunckley TL, Brady CB, Kowall NW, Troncoso JC, Le Ber I, Mouzat K, Lumbroso S, Heiman-Patterson TD, Kamel F, Van Den Bosch L, Baloh RH, Strom TM, Meitinger T, Shatunov A, Van Eijk KR, de Carvalho M, Kooyman M, Middelkoop B, Moisse M, McLaughlin RL, Van Es MA, Weber M, Boylan KB, Van Blitterswijk M, Rademakers R, Morrison KE, Basak AN, Mora JS, Drory VE, Shaw PJ, Turner MR, Talbot K, Hardiman O, Williams KL, Fifita JA, Nicholson GA, Blair IP, Rouleau GA, Esteban-Pérez J, García-Redondo A, Al-Chalabi A; Project MinE ALS Sequencing Consortium, Rogaeva E, Zinman L, Ostrow LW, Maragakis NJ, Rothstein JD, Simmons Z, Cooper-Knock J, Brice A, Goutman SA, Feldman EL, Gibson SB, Taroni F, Ratti A, Gellera C, Van Damme P, Robberecht W, Fratta P, Sabatelli M, Lunetta C, Ludolph AC, Andersen PM, Weishaupt JH, Camu W, Trojanowski JQ, Van Deerlin VM, Brown RH Jr, van den Berg LH, Veldink JH, Harms MB, Glass JD, Stone DJ, Tienari P, Silani V, Chiò A, Shaw CE, Traynor BJ, Landers JE. Genome-wide Analyses Identify KIF5A as a Novel ALS Gene. *Neuron.* 2018 Mar 21;97(6):1268-1283.e6. doi: 10.1016/j.neuron.2018.02.027. PubMed PMID: 29566793; PubMed Central PMCID: PMC5867896.

144: Albuquerque FC, Arthur AS. Curb your enthusiasm. *J Neurointerv Surg.* 2018 Apr;10(4):321-322. doi: 10.1136/neurintsurg-2018-013890. PubMed PMID: 29555728.

145: Chua MH, Hong R, Rydeth T, Vycheth I, Nang S, Vuthy D, Park KB. Spine Trauma as a Component of Essential Neurosurgery: An Outcomes Analysis from Cambodia. *World Neurosurg.* 2018 Jun;114:375-380. doi: 10.1016/j.wneu.2018.03.057. Epub 2018 Mar 15. PubMed PMID: 29550593.

146: Soriano-Baron H, Newcomb AGUS, Malhotra D, Palma AE Jr, Martinez-Del-Campo E, Crawford NR, Theodore N, Kelly BP, Kaibara T. Biomechanical Analysis of an Expandable Lumbar Interbody Spacer. *World Neurosurg.* 2018 Jun;114:e616-e623. doi: 10.1016/j.wneu.2018.03.041. Epub 2018 Mar 13. PubMed PMID: 29548956.

147: Chen T, Mirzadeh Z, Chapple KM, Lambert M, Shill HA, Moguel-Cobos G, Tröster AI, Dhall R, Ponce FA. Clinical outcomes following awake and asleep deep brain stimulation for Parkinson disease. *J Neurosurg.* 2018 Mar 16:1-12. doi: 10.3171/2017.8.JNS17883. [Epub ahead of print] PubMed PMID: 29547091.

148: Hardesty DA, Prevedello DM. What are the limits of endoscopic endonasal approaches to the

skull base? J Neurosurg Sci. 2018 Jun;62(3):285-286. doi: 10.23736/S0390-5616.18.04401-6. Epub 2018 Mar 15. PubMed PMID: 29546736.

149: Prendergast V, Hinkle JL. Oral Care Assessment Tools and Interventions After Stroke. Stroke. 2018 Apr;49(4):e153-e156. doi: 10.1161/STROKEAHA.117.017045. Epub 2018 Mar 13. Review. PubMed PMID: 29535269.

150: Bossi Todeschini A, Montaser AS, Hardesty DA, Carrau RL, Prevedello DM. The limits of the endoscopic endonasal transclival approach for posterior fossa tumors. J Neurosurg Sci. 2018 Jun;62(3):322-331. doi: 10.23736/S0390-5616.18.04411-9. Epub 2018 Mar 8. PubMed PMID: 29527889.

151: Wang L, Cai L, Lu S, Qian H, Lawton MT, Shi X. The History and Evolution of Internal Maxillary Artery Bypass. World Neurosurg. 2018 May;113:320-332. doi: 10.1016/j.wneu.2018.02.158. Epub 2018 Mar 7. Review. PubMed PMID: 29524709.

152: Tayebi Meybodi A, Benet A, Rodriguez Rubio R, Yousef S, Lawton MT. Analysis of Surgical Freedom Variation Across the Basilar Artery Bifurcation: Towards a Deeper Insight Into Approach Selection for Basilar Apex Aneurysms. Oper Neurosurg (Hagerstown). 2018 Mar 3. doi: 10.1093/ons/opy012. [Epub ahead of print] PubMed PMID: 29514321.

153: Bot GM, Gandhi S, Tabani H, Burkhardt JK, Benet A, Lawton MT. Superficial Temporal Artery to Middle Cerebral Artery Bypass in a 1-Year-Old Moyamoya Patient: 2-Dimensional Operative Video. Oper Neurosurg (Hagerstown). 2018 Mar 3. doi: 10.1093/ons/opy014. [Epub ahead of print] PubMed PMID: 29514318.

154: Burkhardt JK, Kamide T, Tabani H, Gandhi S, Benet A, Lawton MT. Anterior Clinoidectomy and Microsurgical Clipping of a Giant Thrombotic Recurrent Ophthalmic Artery Aneurysm Previously Wrapped and Stent Coiled: 2-Dimensional Operative Video. Oper Neurosurg (Hagerstown). 2018 Mar 3. doi: 10.1093/ons/opy018. [Epub ahead of print] PubMed PMID: 29514311.

155: Wu M, Fu X, Ji Y, Ding W, Deng D, Wang Y, Jiang X, Niu C. Microvascular Decompression for Classical Trigeminal Neuralgia Caused by Venous Compression: Novel Anatomic Classifications and Surgical Strategy. World Neurosurg. 2018 May;113:e707-e713. doi: 10.1016/j.wneu.2018.02.130. Epub 2018 Mar 3. PubMed PMID: 29510278.

156: Yağmurlu K, Mooney MA, Almefty KK, Bozkurt B, Tanrıöver N, Little AS, Preul MC. An Alternative Endoscopic Anterolateral Route to Meckel's Cave: An Anatomic Feasibility Study Using a Sublabial Transmaxillary Approach. World Neurosurg. 2018 Jun;114:134-141. doi: 10.1016/j.wneu.2018.02.128. Epub 2018 Mar 3. PubMed PMID: 29510274.

157: Mehta GU, Ding D, Gupta A, Kano H, Sisterson ND, Martinez-Moreno N, Kršek M, Yang HC, Lee CC, Liščák R, Martinez-Alvarez R, Lunsford LD, Vance ML, Sheehan JP. Repeat stereotactic radiosurgery for Cushing's disease: outcomes of an international, multicenter study. J Neurooncol. 2018 Jul;138(3):519-525. doi: 10.1007/s11060-018-2817-5. Epub 2018 Mar 3. PubMed PMID: 29500664.

158: Chen CJ, Kumar JS, Chen SH, Ding D, Buell TJ, Sur S, Ironside N, Luther E, Ragosta M 3rd, Park MS, Kalani MY, Liu KC, Starke RM. Optical Coherence Tomography: Future Applications in Cerebrovascular Imaging. Stroke. 2018 Apr;49(4):1044-1050. doi: 10.1161/STROKEAHA.117.019818. Epub 2018 Feb 28. Review. PubMed PMID: 29491139.

- 159: Mascitelli J, Burkhardt JK, Gandhi S, Lawton MT. Contralateral Supracerebellar-Infratentorial Approach for Resection of Thalamic Cavernous Malformations. *Oper Neurosurg (Hagerstown)*. 2018 Feb 26. doi: 10.1093/ons/opy004. [Epub ahead of print] PubMed PMID: 29490051.
- 160: Ferguson SD, Zhou S, Xiu J, Hashimoto Y, Sanai N, Kim L, Kesari S, de Groot J, Spetzler D, Heimberger AB. Ependymomas overexpress chemoresistance and DNA repair-related proteins. *Oncotarget*. 2017 Dec 15;9(8):7822-7831. doi: 10.18632/oncotarget.23288. eCollection 2018 Jan 30. PubMed PMID: 29487694; PubMed Central PMCID: PMC5814261.
- 161: Walker CT, Godzik J, Kakarla UK, Turner JD, Whiting AC, Nakaji P. Human Amniotic Membrane for the Prevention of Intradural Spinal Cord Adhesions: Retrospective Review of its Novel Use in a Case Series of 14 Patients. *Neurosurgery*. 2018 Feb 22. doi: 10.1093/neuros/nyx608. [Epub ahead of print] PubMed PMID: 29481675.
- 162: Tayebi Meybodi A, Lawton MT, Yousef S, Guo X, González Sánchez JJ, Tabani H, García S, Burkhardt JK, Benet A. Anterior clinoidectomy using an extradural and intradural 2-step hybrid technique. *J Neurosurg*. 2018 Feb 23;1-10. doi: 10.3171/2017.8.JNS171522. [Epub ahead of print] PubMed PMID: 29473783.
- 163: Bohl MA, Hlubek RJ, Kakarla UK, Chang SW. Divergent Bilateral Posterior Lumbar Interbody Fusion with Cortical Screw Fixation: Description of New Trajectory for Interbody Technique from Midline Exposure. *World Neurosurg*. 2018 May;113:e480-e485. doi: 10.1016/j.wneu.2018.02.060. Epub 2018 Feb 17. PubMed PMID: 29462734.
- 164: Godzik J, Martinez-Del-Campo E, Newcomb AGUS, Reis MT, Perez-Orribo L, Whiting AC, Singh V, Kelly BP, Crawford NR. Biomechanical Stability Afforded by Unilateral Versus Bilateral Pedicle Screw Fixation with and without Interbody Support Using Lateral Lumbar Interbody Fusion. *World Neurosurg*. 2018 May;113:e439-e445. doi: 10.1016/j.wneu.2018.02.053. Epub 2018 Feb 17. PubMed PMID: 29462730.
- 165: Zussman B, Weiner G, Ducruet A. A Second Randomized Trial Comparing General Anesthesia to Conscious Sedation in Acute Ischemic Stroke Patients Undergoing Endovascular Treatment. *Neurosurgery*. 2018 Mar 1;82(3):N27-N28. doi: 10.1093/neuros/nyx589. PubMed PMID: 29462435.
- 166: Hersh DS, Peng S, Dancy JG, Galisteo R, Eschbacher JM, Castellani RJ, Heath JE, Legesse T, Kim AJ, Woodworth GF, Tran NL, Winkles JA. Differential expression of the TWEAK receptor Fn14 in IDH1 wild-type and mutant gliomas. *J Neurooncol*. 2018 Jun;138(2):241-250. doi: 10.1007/s11060-018-2799-3. Epub 2018 Feb 16. PubMed PMID: 29453678; PubMed Central PMCID: PMC6047063.
- 167: Abdulrauf SI, Urquiaga JF, Patel R, Albers JA, Sampat VB, Baumer M, Marvin E, Pierson M, Kragel R, Walsh J. Awake Microvascular Decompression for Trigeminal Neuralgia: Concept and Initial Results. *World Neurosurg*. 2018 May;113:e309-e313. doi: 10.1016/j.wneu.2018.02.019. Epub 2018 Feb 13. PubMed PMID: 29452326.
- 168: Burkhardt JK, Winkler E, Tabani H, Gandhi S, Benet A, Lawton MT. A2 Anterior Cerebral Artery-to-A3 Anterior Cerebral Artery Interpositional Bypass with Radial Artery Graft for a Ruptured Mycotic Fusiform Aneurysm: 2-Dimensional Operative Video. *Oper Neurosurg (Hagerstown)*. 2018 Feb 10. doi: 10.1093/ons/opx277. [Epub ahead of print] PubMed PMID: 29444270.
- 169: Leslie-Mazwi T, Chandra RV, Baxter BW, Arthur AS, Hussain MS, Singh IP, Frei DF, Klucznik RP, Albuquerque FC, Hirsch JA; Society of NeuroInterventional Surgery. ELVO: an operational definition. *J Neurointerv Surg*. 2018 Jun;10(6):507-509. doi: 10.1136/neurintsurg-2018-013792. Epub 2018 Feb 8.

PubMed PMID: 29439127.

170: 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.

171: Dossani RH, Kalakoti P, Nanda A, Guthikonda B, Tumialán LM. Is Access to Outpatient Neurosurgery Affected by Narrow Insurance Networks? Results From Statewide Analysis of Marketplace Plans in Louisiana. *Neurosurgery.* 2018 Feb 6. doi: 10.1093/neuros/nyx632. [Epub ahead of print] PubMed PMID: 29425336.

172: Belykh E, Miller EJ, Hu D, Martirosyan NL, Woolf EC, Scheck AC, Byvaltsev VA, Nakaji P, Nelson LY, Seibel EJ, Preul MC. Scanning Fiber Endoscope Improves Detection of 5-Aminolevulinic Acid-Induced Protoporphyrin IX Fluorescence at the Boundary of Infiltrative Glioma. *World Neurosurg.* 2018 May;113:e51-e69. doi: 10.1016/j.wneu.2018.01.151. Epub 2018 Feb 2. PubMed PMID: 29408716; PubMed Central PMCID: PMC5924630.

173: Dou N, Lehrman JN, Newcomb AGUS, Kelly BP. A Novel C2 Screw Trajectory: Preliminary Anatomic Feasibility and Biomechanical Comparison. *World Neurosurg.* 2018 May;113:e93-e100. doi: 10.1016/j.wneu.2018.01.177. Epub 2018 Mar 13. PubMed PMID: 29408275.

174: Jin WN, Ducruet AF, Liu Q, Shi SX, Waters M, Zou M, Sheth KN, Gonzales R, Shi FD. Activation of JAK/STAT3 restores NK-cell function and improves immune defense after brain ischemia. *FASEB J.* 2018 May;32(5):2757-2767. doi: 10.1096/fj.201700962R. Epub 2018 Jan 8. PubMed PMID: 29401578; PubMed Central PMCID: PMC5901379.

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

176: Dillen WL, Hendricks BK, Mannas JP, Wheeler GR. Surfer's myelopathy: A rare presentation in a teenage gymnast and review of the literature. *J Clin Neurosci.* 2018 Apr;50:157-160. doi: 10.1016/j.jocn.2018.01.039. Epub 2018 Feb 1. Review. PubMed PMID: 29396071.

177: 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.

178: Mendelson ZS, Velagala JR, Kohli G, Heir GM, Mammis A, Liu JK. Pain-Free Outcomes and Durability of Surgical Intervention for Trigeminal Neuralgia: A Comparison of Gamma Knife and Microvascular Decompression. *World Neurosurg.* 2018 Apr;112:e732-e746. doi: 10.1016/j.wneu.2018.01.141. Epub 2018 Jan 31. Review. PubMed PMID: 29382615.

179: Hardesty DA, Montaser AS, Beer-Furlan A, Carrau RL, Prevedello DM. Limits of endoscopic endonasal surgery for III ventricle craniopharyngiomas. *J Neurosurg Sci.* 2018 Jun;62(3):310-321. doi: 10.23736/S0390-5616.18.04331-X. Epub 2018 Jan 26. PubMed PMID: 29378389.

180: Hardesty DA, Montaser AS, Carrau RL, Prevedello DM. Limits of endoscopic endonasal transpterygoid approach to cavernous sinus and Meckel's cave. *J Neurosurg Sci.* 2018

Jun;62(3):332-338. doi: 10.23736/S0390-5616.18.04330-8. Epub 2018 Jan 26. PubMed PMID: 29378388.

181: Sadik ZHA, Lie ST, Leenstra S, Hanssens PEJ. Volumetric changes and clinical outcome for petroclival meningiomas after primary treatment with Gamma Knife radiosurgery. *J Neurosurg*. 2018 Jan 26:1-7. doi: 10.3171/2017.7.JNS17380. [Epub ahead of print] PubMed PMID: 29372884.

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

183: Li Y, Mao D, Li Z, Schär M, Pillai JJ, Pipe JG, Lu H. Cardiac-triggered pseudo-continuous arterial-spin-labeling: A cost-effective scheme to further enhance the reliability of arterial-spin-labeling MRI. *Magn Reson Med*. 2018 Sep;80(3):969-975. doi: 10.1002/mrm.27090. Epub 2018 Jan 25. PubMed PMID: 29369422; PubMed Central PMCID: PMC5980664.

184: 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.

185: Kalani MYS, Yagmurlu K, Martirosyan NL, Nakaji P. Keyhole Contralateral Interhemispheric Endoscopic-Assisted Resection of an Ependymoma of the Third Ventricle. *Oper Neurosurg (Hagerstown)*. 2018 Feb 1;14(2):203. doi: 10.1093/ons/oxp078. PubMed PMID: 29351681.

186: Neidert MC, Maldaner N, Stienen MN, Roethlisberger M, Zumofen DW, D'Alonzo D, Marbacher S, Maduri R, Hostettler IC, Schatlo B, Schneider MM, Seule MA, Schöni D, Goldberg J, Fung C, Arrighi M, Valsecchi D, Bijlenga P, Schaller K, Bozinov O, Regli L, Burkhardt JK; Swiss SOS study group . The Barrow Neurological Institute Grading Scale as a Predictor for Delayed Cerebral Ischemia and Outcome After Aneurysmal Subarachnoid Hemorrhage: Data From a Nationwide Patient Registry (Swiss SOS). *Neurosurgery*. 2018 Jan 17. doi: 10.1093/neuros/nyx609. [Epub ahead of print] PubMed PMID: 29351673.

187: Hostettler IC, Muroi C, Richter JK, Schmid J, Neidert MC, Seule M, Boss O, Pangalu A, Germans MR, Keller E. Decision tree analysis in subarachnoid hemorrhage: prediction of outcome parameters during the course of aneurysmal subarachnoid hemorrhage using decision tree analysis. *J Neurosurg*. 2018 Jan 19:1-12. doi: 10.3171/2017.7.JNS17677. [Epub ahead of print] PubMed PMID: 29350603.

188: Mack WJ, Mocco J, Hirsch JA, Chen M, Eljovich L, Tarr RW, Albuquerque FC. Thrombectomy stroke centers: The current threat to regionalizing stroke care. *J Neurointerv Surg*. 2018 Feb;10(2):99-101. doi: 10.1136/neurintsurg-2017-013721. PubMed PMID: 29348259.

189: Kalani MYS, Spetzler RF. Combined Endovascular and Microsurgical Treatment of a Premotor Arteriovenous Malformation: 2-Dimensional Operative Video. *Oper Neurosurg (Hagerstown)*. 2018 Jul 1;15(1):100. doi: 10.1093/ons/oxp255. PubMed PMID: 29346607.

190: Xu DS, Chen T, Hlubek RJ, Bristol RE, Smith KA, Ponce FA, Kerrigan JF, Nakaji P. Magnetic Resonance Imaging-Guided Laser Interstitial Thermal Therapy for the Treatment of Hypothalamic Hamartomas: A Retrospective Review. *Neurosurgery*. 2018 Jan 13. doi: 10.1093/neuros/nyx604. [Epub ahead of print] PubMed PMID: 29346599.

- 191: Wixted JT, Goldinger SD, Squire LR, Kuhn JR, Papesh MH, Smith KA, Treiman DM, Steinmetz PN. Coding of episodic memory in the human hippocampus. *Proc Natl Acad Sci U S A*. 2018 Jan 30;115(5):1093-1098. doi: 10.1073/pnas.1716443115. Epub 2018 Jan 16. PubMed PMID: 29339476; PubMed Central PMCID: PMC5798361.
- 192: Belykh E, Onaka NR, Abramov IT, Yağmurlu K, Byvaltsev VA, Spetzler RF, Nakaj P, Preul MC. Systematic Review of Factors Influencing Surgical Performance: Practical Recommendations for Microsurgical Procedures in Neurosurgery. *World Neurosurg*. 2018 Apr;112:e182-e207. doi: 10.1016/j.wneu.2018.01.005. Epub 2018 Jan 9. Review. PubMed PMID: 29325962.
- 193: Wang J, Gan Y, Han P, Yin J, Liu Q, Ghanian S, Gao F, Gong G, Tang Z. Ischemia-induced Neuronal Cell Death Is Mediated by Chemokine Receptor CX3CR1. *Sci Rep*. 2018 Jan 11;8(1):556. doi: 10.1038/s41598-017-18774-0. PubMed PMID: 29323156; PubMed Central PMCID: PMC5765008.
- 194: Moon HC, You ST, Baek HM, Jeon YJ, Park CA, Cheong JJ, Lee YJ, Park YS. 7.0Tesla MRI tractography in patients with trigeminal neuralgia. *Magn Reson Imaging*. 2018 Jan 2. pii: S0730-725X(17)30298-9. doi: 10.1016/j.mri.2017.12.033. [Epub ahead of print] PubMed PMID: 29305127.
- 195: Bohl MA, Mooney MA, Catapano JS, Almefty KK, Turner JD, Chang SW, Preul MC, Reece EM, Kakarla UK. Pedicled Vascularized Bone Grafts for Posterior Occipitocervical and Cervicothoracic Fusion: A Cadaveric Feasibility Study. *Oper Neurosurg (Hagerstown)*. 2018 Sep 1;15(3):318-324. doi: 10.1093/ons/oxp258. PubMed PMID: 29301014.
- 196: 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.
- 197: Xu DS, Bach K, Uribe JS. Minimally invasive anterior and lateral transpsoas approaches for closed reduction of grade II spondylolisthesis: initial clinical and radiographic experience. *Neurosurg Focus*. 2018 Jan;44(1):E4. doi: 10.3171/2017.10.FOCUS17574. PubMed PMID: 29290134.
- 198: Almefty RO, Spetzler RF. Retrosigmoid Craniotomy and Petrosal Fissure Dissection for Transpeduncular Resection of a Deep Pontine Arteriovenous Malformation: 2-Dimensional Operative Video. *Oper Neurosurg (Hagerstown)*. 2018 Aug 1;15(2):243-244. doi: 10.1093/ons/oxp264. PubMed PMID: 29281072.
- 199: Albuquerque FC, Hirsch JA, Fiorella D. DAWN: another brand new day. *J Neurointerv Surg*. 2018 Jan;10(1):1-2. doi: 10.1136/neurintsurg-2017-013671. PubMed PMID: 29259097.
- 200: Bozkurt B, Kalani MYS, Yağmurlu K, Belykh E, Preul MC, Nakaji P, Spetzler RF. Low Retrosigmoid Infratonsillar Approach to Lateral Medullary Lesions. *World Neurosurg*. 2018 Mar;111:311-316. doi: 10.1016/j.wneu.2017.12.064. Epub 2017 Dec 16. Erratum in: *World Neurosurg*. 2018 Apr 2;:. PubMed PMID: 29258935.

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