

Charlottesville

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Moosa S, Wang TR, Mastorakos P, Sheehan JP, Elias WJ. [Gamma Knife Radiosurgery for Trigeminal Neuralgia Reduces Neurovascular Compression: A Case Report](#) after 11 Years. *Stereotact Funct Neurosurg*. 2019 Sep 5:1-5. doi: 10.1159/000501624. [Epub ahead of print] PubMed PMID: 31487732.

2: Hung YC, Mohammed N, Eluvathingal Muttikkal TJ, Kearns KN, Li CE, Narayan A, Schlesinger D, Xu Z, Sheehan JP. The impact of preradiosurgery embolization on intracranial arteriovenous malformations: a matched cohort analysis based on de novo lesion volume. *J Neurosurg*. 2019 Aug 30:1-12. doi: 10.3171/2019.5.JNS19722. [Epub ahead of print] PubMed PMID: 31470409.

3: Khan I, Bydon M, Archer KR, Sivaganesan A, Asher AM, Alvi MA, Kerezoudis P, Knightly JJ, Foley KT, Bisson EF, Shaffrey C, Asher AL, Spengler DM, Devin CJ. Impact of Occupational Characteristics on Return to Work for Employed Patients after Elective Lumbar Spine Surgery. *Spine J*. 2019 Aug 20. pii: S1529-9430(19)30936-2. doi: 10.1016/j.spinee.2019.08.007. [Epub ahead of print] PubMed PMID: 31442617.

4: Khan I, Archer KR, Wanner JP, Bydon M, Pennings JS, Sivaganesan A, Knightly JJ, Foley KT, Bisson EF, Shaffrey C, McGirt MJ, Asher AL, Devin CJ; QOD Vanguard Sites . Trajectory of Improvement in Myelopathic Symptoms From 3 to 12 Months Following Surgery for Degenerative Cervical Myelopathy. *Neurosurgery*. 2019 Aug 22. pii: nyz325. doi: 10.1093/neuros/nyz325. [Epub ahead of print] PubMed PMID: 31435676.

5: Moiraghi A, Prada F, Delaidelli A, Guatta R, May A, Bartoli A, Saini M, Perin A, Wälchli T, Momjian S, Bijlenga P, Schaller K, DiMeco F. Navigated Intraoperative 2-Dimensional Ultrasound in High-Grade Glioma Surgery: Impact on Extent of Resection and Patient Outcome. *Oper Neurosurg (Hagerstown)*. 2019 Aug 21. pii: opz203. doi: 10.1093/ons/opz203. [Epub ahead of print] PubMed PMID: 31435672.

6: Cosgriff CV, Celi LA, Ko S, Sundaresan T, Armengol de la Hoz MÁ, Kaufman AR, Stone DJ, Badawi O, Deliberato RO. Developing well-calibrated illness severity scores for decision support in the critically ill. *NPJ Digit Med*. 2019 Aug 15;2:76. doi: 10.1038/s41746-019-0153-6. eCollection 2019. PubMed PMID: 31428687; PubMed Central PMCID: PMC6695410.

Forkin KT, Nemergut EC. In Response. *Anesth Analg*. 2019 Aug 14. doi: 10.1213/ANE.0000000000004382. [Epub ahead of print] PubMed PMID: 31425263.

2: Franzini A, Messina G, Levi V, D'Ammando A, Cordella R, Moosa S, Prada F, Franzini A. Deep brain stimulation of the posterior limb of the internal capsule in the treatment of central poststroke neuropathic pain of the lower limb: case series with long-term follow-up and literature review. *J Neurosurg*. 2019 Aug 16:1-9. doi: 10.3171/2019.5.JNS19227. [Epub ahead of print] PubMed PMID: 31419792.

3: Horn SR, Passias PG, Bortz CA, Pierce KE, Lafage V, Lafage R, Brown AE, Alas H, Smith JS, Line B, Deviren V, Mundis GM, Kelly MP, Kim HJ, Protosaltis T, Daniels AH, Klineberg EO, Burton DC, Hart RA, Schwab FJ, Bess S, Shaffrey CI, Ames CP; International Spine Study Group. Predicting extended operative time and length of inpatient stay in cervical deformity corrective surgery. *J Clin Neurosci*. 2019 Aug 8. pii: S0967-5868(19)30304-2. doi: 10.1016/j.jocn.2019.07.064. [Epub ahead of print] PubMed PMID: 31402263.

- 4: Agarwal N, Angriman F, Goldschmidt E, Zhou J, Kanter AS, Okonkwo DO, Passias PG, Protopsaltis T, Lafage V, Lafage R, Schwab F, Bess S, Ames C, Smith JS, Shaffrey CI, Burton D, Hamilton DK; International Spine Study Group. Relationship between body mass index and sagittal vertical axis change as well as health-related quality of life in 564 patients after deformity surgery. *J Neurosurg Spine*. 2019 Aug 9:1-6. doi: 10.3171/2019.4.SPINE18485. [Epub ahead of print] PubMed PMID: 31398699.
- 5: Tvrdik P, Kearns KN, Sharifi KA, Sluzewski MF, Acton ST, Kalani MYS. Calcium Imaging of Microglial Network Activity in Stroke. *Methods Mol Biol*. 2019;2034:267-279. doi: 10.1007/978-1-4939-9658-2_19. PubMed PMID: 31392691.
- 6: Chen CJ, Lee CC, Ding D, Tzeng SW, Kearns KN, Kano H, Atik A, Ironside N, Joshi K, Huang PP, Kondziolka D, Mathieu D, Iorio-Morin C, Grills IS, Quinn TJ, Siddiqui Z, Marvin K, Feliciano C, Faramand A, Starke RM, Barnett G, Lunsford LD, Sheehan JP; International Radiosurgery Research Foundation. Stereotactic Radiosurgery for Unruptured Versus Ruptured Pediatric Brain Arteriovenous Malformations. *Stroke*. 2019 Aug 7:STROKEAHA119026211. doi: 10.1161/STROKEAHA.119.026211. [Epub ahead of print] PubMed PMID: 31387513.
- 7: Hung YC, Mohammed N, Kearns KN, Chen CJ, Starke RM, Kano H, Lee J, Mathieu D, Kaufmann AM, Wang WG, Grills IS, Cifarelli CP, Vargo J, Chytka T, Janouskova L, Feliciano CE, Rodriguez-Mercado R, Lunsford LD, Sheehan JP. Stereotactic Radiosurgery for Cavernous Sinus Versus Noncavernous Sinus Dural Arteriovenous Fistulas: Outcomes and Outcome Predictors. *Neurosurgery*. 2019 Aug 5. pii: nyz260. doi: 10.1093/neuros/nyz260. [Epub ahead of print] PubMed PMID: 31384943.
- 8: Taylor DG, Janssen A, Ding D, Xu Z, Mehta GU, Liscak R, Kano H, Kosak M, Martinez-Moreno N, Hobbs L, Chen CJ, Grills IS, Mathieu D, Lunsford LD, Vance ML, Sheehan JP. Whole Sella vs Targeted Stereotactic Radiosurgery for Acromegaly: A Multicenter Matched Cohort Study. *Neurosurgery*. 2019 Aug 5. pii: nyz245. doi: 10.1093/neuros/nyz245. [Epub ahead of print] PubMed PMID: 31384920.
- 9: Passias PG, Bortz CA, Segreto F, Horn S, Pierce KE, Alas H, Brown AE, Lafage R, Lafage V, Smith JS, Line B, Eastlack R, Sciubba DM, Klineberg EO, Soroceanu A, Burton DC, Schwab FJ, Bess S, Shaffrey CI, Ames CP. Limited morbidity and possible radiographic benefit of C2 vs. subaxial cervical upper-most instrumented vertebrae. *J Spine Surg*. 2019 Jun;5(2):236-244. doi: 10.21037/jss.2019.06.04. PubMed PMID: 31380477; PubMed Central PMCID: PMC6626746.
- 10: Hung YC, Lee CC, Yang HC, Mohammed N, Kearns KN, Nabeel AM, Abdel Karim K, Emad Eldin RM, El-Shehaby AMN, Reda WA, Tawadros SR, Liscak R, Jezkova J, Lunsford LD, Kano H, Sisterson ND, Martínez Álvarez R, Martínez Moreno NE, Kondziolka D, Golfinos JG, Grills I, Thompson A, Borghei-Razavi H, Maiti TK, Barnett GH, McInerney J, Zacharia BE, Xu Z, Sheehan JP. The benefit and risk of stereotactic radiosurgery for prolactinomas: an international multicenter cohort study. *J Neurosurg*. 2019 Aug 2:1-10. doi: 10.3171/2019.4.JNS183443. [Epub ahead of print] PubMed PMID: 31374549.
- 11: Cordeiro D, Xu Z, Mehta GU, Ding D, Vance ML, Kano H, Sisterson N, Yang HC, Kondziolka D, Lunsford LD, Mathieu D, Barnett GH, Chiang V, Lee J, Sneed P, Su YH, Lee CC, Krsek M, Liscak R, Nabeel AM, El-Shehaby A, Karim KA, Reda WA, Martinez-Moreno N, Martinez-Alvarez R, Blas K, Grills I, Lee KC, Kosak M, Cifarelli CP, Katsevman GA, Sheehan JP. Hypopituitarism after Gamma Knife radiosurgery for pituitary neuroendocrine tumors: a multicenter, international study. *J Neurosurg*. 2018 Nov 9. doi: 10.3171/2018.5.JNS18509. [Epub ahead of print] PubMed PMID: 31369225.
- 12: Passias PG, Horn SR, Soroceanu A, Oh C, Ailon T, Neuman BJ, Lafage V, Lafage R, Smith JS, Line B, Bortz CA, Segreto FA, Brown A, Alas H, Pierce KE, Eastlack RK, Sciubba DM, Protopsaltis TS, Klineberg EO, Burton DC, Hart RA, Schwab FJ, Bess S, Shaffrey CI, Ames CP; International Spine Study Group.

Development of a Novel Cervical Deformity Surgical Invasiveness Index. *Spine (Phila Pa 1976)*. 2019 Jul 29. doi: 10.1097/BRS.0000000000003175. [Epub ahead of print] PubMed PMID: 31361727.

13: Blackburn SL, Grande AW, Swisher CB, Hauck EF, Jagadeesan B, Provencio JJ. Prospective Trial of Cerebrospinal Fluid Filtration After Aneurysmal Subarachnoid Hemorrhage via Lumbar Catheter (PILLAR). *Stroke*. 2019 Jul 26;STROKEAHA119025399. doi: 10.1161/STROKEAHA.119.025399. [Epub ahead of print] PubMed PMID: 31345133.

14: Yağmurlu K, Pomeranec J, Norat P, Kalani MYS, Syed H. Keyhole Retrosigmoid Craniotomy for Resection of Pontine Juvenile Pilocytic Astrocytoma: 2-Dimensional Operative Video. *Oper Neurosurg (Hagerstown)*. 2019 Apr 29. pii: opz069. doi: 10.1093/ons/opz069. [Epub ahead of print] PubMed PMID: 31329970.

15: Wang EW, Zanation AM, Gardner PA, Schwartz TH, Eloy JA, Adappa ND, Bettag M, Bleier BS, Cappabianca P, Carrau RL, Casiano RR, Cavallo LM, Ebert CS Jr, El-Sayed IH, Evans JJ, Fernandez-Miranda JC, Folbe AJ, Froelich S, Gentili F, Harvey RJ, Hwang PH, Jane JA Jr, Kelly DF, Kennedy D, Knosp E, Lal D, Lee JYK, Liu JK, Lund VJ, Palmer JN, Prevedello DM, Schlosser RJ, Sindwani R, Solares CA, Tabaee A, Teo C, Thirumala PD, Thorp BD, de Arinaldo Silva Vellutini E, Witterick I, Woodworth BA, Wormald PJ, Snyderman CH. ICAR: endoscopic skull-base surgery. *Int Forum Allergy Rhinol*. 2019 Jul;9(S3):S145-S365. doi: 10.1002/alr.22326. PubMed PMID: 31329374.

16: Ames CP, Smith JS, Pellisé F, Kelly M, Gum JL, Alanay A, Acaroğlu E, Pérez-Grueso FJS, Kleinstück FS, Obeid I, Vila-Casademunt A, Shaffrey CI Jr, Burton DC, Lafage V, Schwab FJ, Shaffrey CI Sr, Bess S, Serra-Burriel M; European Spine Study Group; International Spine Study Group. Development of predictive models for all individual questions of SRS-22R after adult spinal deformity surgery: a step toward individualized medicine. *Eur Spine J*. 2019 Jul 19. doi: 10.1007/s00586-019-06079-x. [Epub ahead of print] PubMed PMID: 31325052.

17: Wilson S, Fredericks DC, Safayi S, DeVries-Watson NA, Holland MT, Nagel SJ, Gillies GT, Howard MA 3rd. Ovine Hemisection Model of Spinal Cord Injury. *J Invest Surg*. 2019 Jul 15:1-13. doi: 10.1080/08941939.2019.1639860. [Epub ahead of print] PubMed PMID: 31304811.

18: Ironside N, Christophe B, Bruce S, Carpenter AM, Robison T, Yoh N, Cremers S, Landry D, Frey HP, Chen CJ, Hoh BL, Kim LJ, Claassen J, Connolly ES. A phase II randomized controlled trial of tiopronin for aneurysmal subarachnoid hemorrhage. *J Neurosurg*. 2019 Jul 12:1-9. doi: 10.3171/2019.4.JNS19478. [Epub ahead of print] PubMed PMID: 31299655.

19: Cordeiro D, Xu Z, Li CE, Iorio-Morin C, Mathieu D, Sisterson ND, Kano H, Attuati L, Picozzi P, Sheehan KA, Lee CC, Liscak R, Jezkova J, Lunsford LD, Sheehan J. Gamma Knife radiosurgery for the treatment of Nelson's syndrome: a multicenter, international study. *J Neurosurg*. 2019 Jul 12:1-6. doi: 10.3171/2019.4.JNS19273. [Epub ahead of print] PubMed PMID: 31299652.

20: Li D, Heiferman DM, Syed HR, Santos JG, Bowman RM, DiPatri AJ, Tomita T, Wadhwani NR, Alden TD. Pediatric primary spinal atypical teratoid rhabdoid tumor: a case series and review of the literature. *J Neurosurg Pediatr*. 2019 Jul 12:1-17. doi: 10.3171/2019.4.PEDS19113. [Epub ahead of print] Review. PubMed PMID: 31299639.

21: Huffmyer JL, Kleiman AM, Moncrief M, Scalzo DC, Cox DJ, Nemergut EC. Impact of Caffeine Ingestion on the Driving Performance of Anesthesiology Residents After 6 Consecutive Overnight Work Shifts. *Anesth Analg*. 2019 Jun 24. doi: 10.1213/ANE.0000000000004252. [Epub ahead of print] PubMed PMID: 31274603.

22: Khan I, Sivaganesan A, Archer KR, Bydon M, McGirt MJ, Nian H, Harrell FE, Foley KT, Mummaneni

PV, Bisson EF, Shaffrey C, Harbaugh R, Asher AL, Devin CJ; QOD Vanguard Sites . Does Neck Disability Index Correlate With 12-Month Satisfaction After Elective Surgery for Cervical Radiculopathy? Results From a National Spine Registry. *Neurosurgery*. 2019 Jul 3. pii: nyz231. doi: 10.1093/neuros/nyz231. [Epub ahead of print] PubMed PMID: 31268151.

23: Smith JS. Central Atlantoaxial Instability: A New Clinical Entity? *Neurospine*. 2019 Jun;16(2):212-213. doi: 10.14245/ns.19edi.005. Epub 2019 Jun 30. PubMed PMID: 31261456; PubMed Central PMCID: PMC6603821.

24: Marro SG, Chanda S, Yang N, Janas JA, Valperga G, Trotter J, Zhou B, Merrill S, Yousif I, Shelby H, Vogel H, Kalani MYS, Südhof TC, Wernig M. Neuroligin-4 Regulates Excitatory Synaptic Transmission in Human Neurons. *Neuron*. 2019 Jun 17. pii: S0896-6273(19)30496-9. doi: 10.1016/j.neuron.2019.05.043. [Epub ahead of print] PubMed PMID: 31257103.

25: Pellisé F, Serra-Burriel M, Smith JS, Haddad S, Kelly MP, Vila-Casademunt A, Sánchez Pérez-Gruoso FJ, Bess S, Gum JL, Burton DC, Acaroğlu E, Kleinstück F, Lafage V, Obeid I, Schwab F, Shaffrey CI, Alanay A, Ames C; International Spine Study Group; European Spine Study Group. Development and validation of risk stratification models for adult spinal deformity surgery. *J Neurosurg Spine*. 2019 Jun 28;1-13. doi: 10.3171/2019.3.SPINE181452. [Epub ahead of print] PubMed PMID: 31252385.

26: Patel SH, Bansal AG, Young EB, Batchala PP, Patrie JT, Lopes MB, Jain R, Fadul CE, Schiff D. Extent of Surgical Resection in Lower-Grade Gliomas: Differential Impact Based on Molecular Subtype. *AJNR Am J Neuroradiol*. 2019 Jul;40(7):1149-1155. doi: 10.3174/ajnr.A6102. Epub 2019 Jun 27. PubMed PMID: 31248860.

27: Abushamat LA, Kerr JM, Lopes MBS, Kleinschmidt-DeMasters BK. Very Unusual Sellar/Suprasellar Region Masses: A Review. *J Neuropathol Exp Neurol*. 2019 May 20. pii: nlz044. doi: 10.1093/jnen/nlz044. [Epub ahead of print] PubMed PMID: 31233145.

28: Cosgriff CV, Celi LA, Stone DJ. Critical Care, Critical Data. *Biomed Eng Comput Biol*. 2019 Jun 12;10:1179597219856564. doi: 10.1177/1179597219856564. eCollection 2019. Review. PubMed PMID: 31217702; PubMed Central PMCID: PMC6563388.

29: Menacho ST, Kalani MYS. The supraorbital approach to the basal frontal lobe for resection of brain metastasis. *World Neurosurg*. 2019 Jun 14. pii: S1878-8750(19)31588-8. doi: 10.1016/j.wneu.2019.06.047. [Epub ahead of print] PubMed PMID: 31207369.

30: Ames CP, Smith JS, Pellisé F, Kelly M, Alanay A, Acaroğlu E, Pérez-Gruoso FJS, Kleinstück F, Obeid I, Vila-Casademunt A, Shaffrey CI Jr, Burton D, Lafage V, Schwab F, Shaffrey CI Sr, Bess S, Serra-Burriel M; European Spine Study Group, International Spine Study Group. Artificial Intelligence Based Hierarchical Clustering of Patient Types and Intervention Categories in Adult Spinal Deformity Surgery: Towards a New Classification Scheme that Predicts Quality and Value. *Spine (Phila Pa 1976)*. 2019 Jul 1;44(13):915-926. doi: 10.1097/BRS.0000000000002974. PubMed PMID: 31205167.

31: Bulgarelli L, Deliberato RO, Stone DJ, Celi LA, Johnson AEW. The authors reply. *Crit Care Med*. 2019 Jul;47(7):e612. doi: 10.1097/CCM.0000000000003786. PubMed PMID: 31205091; PubMed Central PMCID: PMC6673667.

32: Raper DMS, Asuzu D, Kalani MYS, Park MS. Craniotomy and direct access microcatheterization for preoperative embolization of a complex, high grade intracranial arteriovenous malformation. *J Clin Neurosci*. 2019 Jun 11. pii: S0967-5868(19)30642-3. doi: 10.1016/j.jocn.2019.05.052. [Epub ahead of print] PubMed PMID: 31196613.

33: Pan HC, Chang MH, Sheu ML, Chen CJ, Sheehan J. Increased angiogenesis by the rotational muscle flap is crucial for nerve regeneration. *PLoS One*. 2019 Jun 10;14(6):e0217402. doi: 10.1371/journal.pone.0217402. eCollection 2019. PubMed PMID: 31181105; PubMed Central PMCID: PMC6557495.

34: Wykes RC, Khoo HM, Caciagli L, Blumenfeld H, Golshani P, Kapur J, Stern JM, Bernasconi A, Dedeurwaerdere S, Bernasconi N. WONOEP appraisal: Network concept from an imaging perspective. *Epilepsia*. 2019 Jul;60(7):1293-1305. doi: 10.1111/epi.16067. Epub 2019 Jun 9. PubMed PMID: 31179547; PubMed Central PMCID: PMC6667743.

35: Segreto FA, Passias PG, Lafage R, Lafage V, Smith JS, Line BG, Mundis GM, Bortz CA, Stekas ND, Horn SR, Diebo BG, Brown AE, Ihejirika Y, Nunley PD, Daniels AH, Gupta MC, Gum JL, Hamilton DK, Klineberg EO, Burton DC, Hart RA, Schwab FJ, Bess S, Shaffrey CI, Ames CP. Incidence of Acute, Progressive, and Delayed Proximal Junctional Kyphosis Over an 8-Year Period in Adult Spinal Deformity Patients. *Oper Neurosurg (Hagerstown)*. 2019 Jun 7. pii: opz128. doi: 10.1093/ons/opz128. [Epub ahead of print] PubMed PMID: 31172190.

36: Ilyas A, Chen CJ, Ironside N, Buell TJ, Chagoya G, Schmalz PG, Stetler WR, Andaluz N, James RF, Ding D. Medical Management versus Surgical Bypass for Symptomatic Intracranial Atherosclerotic Disease: A Systematic Review. *World Neurosurg*. 2019 May 31. pii: S1878-8750(19)31500-1. doi: 10.1016/j.wneu.2019.05.223. [Epub ahead of print] Review. PubMed PMID: 31158534.

37: McDermott MW, Sheehan J, Braunstein S. Introduction. Radiosurgery and radiotherapy for meningiomas: overview of the issue. *Neurosurg Focus*. 2019 Jun 1;46(6):E1. doi: 10.3171/2019.3.FOCUS19260. PubMed PMID: 31153142.

38: Chen CJ, Ding D, Ironside N, Buell TJ, Southerland AM, Testai FD, Woo D, Worrall BB; ERICH Investigators. Intracranial pressure monitoring in patients with spontaneous intracerebral hemorrhage. *J Neurosurg*. 2019 May 31;1-11. doi: 10.3171/2019.3.JNS19545. [Epub ahead of print] PubMed PMID: 31151113.

39: Lau D, Dalle Ore CL, Reid P, Safaee MM, Deviren V, Smith JS, Shaffrey CI, Ames CP. Utility of neuromonitoring during lumbar pedicle subtraction osteotomy for adult spinal deformity. *J Neurosurg Spine*. 2019 May 31;1-11. doi: 10.3171/2019.3.SPINE181409. [Epub ahead of print] PubMed PMID: 31151094.

40: Dunn LK, Kleiman AM, Forkin KT, Bechtel AJ, Collins SR, Potter JF, Kaperak CJ, Tsang S, Huffmyer JL, Nemergut EC. Anesthesiology Resident Night Float Duty Alters Sleep Patterns: An Observational Study. *Anesthesiology*. 2019 Aug;131(2):401-409. doi: 10.1097/ALN.0000000000002806. PubMed PMID: 31149926.

41: Passias PG, Bortz CA, Lafage V, Lafage R, Smith JS, Line B, Eastlack R, Gupta MC, Hostin RA, Horn SR, Segreto FA, Egers M, Sciubba DM, Gum JL, Kebaish KM, Klineberg EO, Burton DC, Schwab FJ, Shaffrey CI, Ames CP, Bess S. Durability of Satisfactory Functional Outcomes Following Surgical Adult Spinal Deformity Correction: A 3-Year Survivorship Analysis. *Oper Neurosurg (Hagerstown)*. 2019 May 31. pii: opz093. doi: 10.1093/ons/opz093. [Epub ahead of print] PubMed PMID: 31149719.

42: Mastorakos P, Mehta GU, Chatrath A, Moosa S, Lopes MB, Payne SC, Jane JA Jr. Tumor to Cerebellar Peduncle T2-Weighted Imaging Intensity Ratio Fails to Predict pituitary neuroendocrine tumor Consistency. *J Neurol Surg B Skull Base*. 2019 Jun;80(3):252-257. doi: 10.1055/s-0038-1668516. Epub 2018 Aug 24. PubMed PMID: 31143567; PubMed Central PMCID: PMC6534739.

43: Forkin KT, Chiao SS, Naik BI, Patrie JT, Durieux ME, Nemergut EC. Individualized Quality Data

Feedback Improves Anesthesiology Residents' Documentation of Depth of Neuromuscular Blockade Before Extubation. *Anesth Analg*. 2019 May 23. doi: 10.1213/ANE.0000000000004222. [Epub ahead of print] PubMed PMID: 31136324.

44: Wu CC, Jain R, Neto L, Patel S, Poisson LM, Serrano J, Ng V, Patel SH, Placantonakis DG, Zagzag D, Golfinos J, Chi AS, Snuderl M. MR imaging phenotype correlates with extent of genome-wide copy number abundance in IDH mutant gliomas. *Neuroradiology*. 2019 Sep;61(9):1023-1031. doi: 10.1007/s00234-019-02219-8. Epub 2019 May 27. PubMed PMID: 31134296.

45: Lee CC, Trifiletti DM, Sheehan JP. Radiosurgery for Glomus Tumors. *Prog Neurol Surg*. 2019;34:215-222. doi: 10.1159/000493067. Epub 2019 May 16. PubMed PMID: 31096252.

46: Trifiletti DM, Dutta SW, Lee CC, Sheehan JP. Pituitary Tumor Radiosurgery. *Prog Neurol Surg*. 2019;34:149-158. doi: 10.1159/000493059. Epub 2019 May 16. PubMed PMID: 31096230.

47: Ding D, Ilyas A, Sheehan JP. Contemporary Management of High-Grade Brain Arteriovenous Malformations. *Neurosurgery*. 2018 Sep 1;65(CN_suppl_1):24-33. doi: 10.1093/neuros/nyy107. PubMed PMID: 31076783.

48: Gupta A, Xu Z, Cohen-Inbar O, Snyder MH, Hobbs LK, Li C, Nguyen QT, Sheehan JP. Treatment of Asymptomatic Meningioma With Gamma Knife Radiosurgery: Long-Term Follow-up With Volumetric Assessment and Clinical Outcome. *Neurosurgery*. 2019 May 6. pii: nyz126. doi: 10.1093/neuros/nyz126. [Epub ahead of print] PubMed PMID: 31062018.

49: Daniels AH, Reid DBC, Tran SN, Hart RA, Klineberg EO, Bess S, Burton D, Smith JS, Shaffrey C, Gupta M, Ames CP, Hamilton DK, LaFage V, Schwab F, Eastlack R, Akbarnia B, Kim HJ, Kelly M, Passias PG, Protopsaltis T, Mundis GM Jr; International Spine Study Group. Evolution in Surgical Approach, Complications, and Outcomes in an Adult Spinal Deformity Surgery Multicenter Study Group Patient Population. *Spine Deform*. 2019 May;7(3):481-488. doi: 10.1016/j.jspd.2018.09.013. PubMed PMID: 31053319.

50: Smith JS, Shaffrey CI, Ames CP, Lenke LG. Treatment of adult thoracolumbar spinal deformity: past, present, and future. *J Neurosurg Spine*. 2019 May 1;30(5):551-567. doi: 10.3171/2019.1.SPINE181494. Review. PubMed PMID: 31042666.

51: Chan AK, Bisson EF, Bydon M, Glassman SD, Foley KT, Potts EA, Shaffrey CI, Shaffrey ME, Coric D, Knightly JJ, Park P, Wang MY, Fu KM, Slotkin JR, Asher AL, Virk MS, Kerezoudis P, Alvi MA, Guan J, Haid RW, Mummaneni PV. A comparison of minimally invasive transforaminal lumbar interbody fusion and decompression alone for degenerative lumbar spondylolisthesis. *Neurosurg Focus*. 2019 May 1;46(5):E13. doi: 10.3171/2019.2.FOCUS18722. PubMed PMID: 31042655.

52: Nagel SJ, Frizon L, Maiti T, Machado AG, Gillies GT, Helland L, Woodroffe RW, Howard MA 3rd, Wilson S. Contemporary Approaches to Preventing and Treating Infections of Novel Intrathecal Neurostimulation Devices. *World Neurosurg*. 2019 Apr 28. pii: S1878-8750(19)31160-X. doi: 10.1016/j.wneu.2019.04.165. [Epub ahead of print] PubMed PMID: 31042596.

53: D'Souza M, Chen KS, Rosenberg J, Elias WJ, Eisenberg HM, Gwinn R, Taira T, Chang JW, Lipsman N, Krishna V, Igase K, Yamada K, Kishima H, Cosgrove R, Rumià J, Kaplitt MG, Hirabayashi H, Nandi D, Henderson JM, Butts Pauly K, Dayan M, Halpern CH, Ghanouni P. Impact of skull density ratio on efficacy and safety of magnetic resonance-guided focused ultrasound treatment of essential tremor. *J Neurosurg*. 2019 Apr 26:1-6. doi: 10.3171/2019.2.JNS183517. [Epub ahead of print] PubMed PMID: 31026836.

- 54: Mohammed N, Ding D, Hung YC, Xu Z, Lee CC, Kano H, Martínez-Álvarez R, Martínez-Moreno N, Mathieu D, Kosak M, Cifarelli CP, Katsevman GA, Lunsford LD, Lee Vance M, Sheehan JP. Primary versus postoperative stereotactic radiosurgery for acromegaly: a multicenter matched cohort study. *J Neurosurg.* 2019 Apr 26;1-10. doi: 10.3171/2019.1.JNS183398. [Epub ahead of print] PubMed PMID: 31026829.
- 55: Hung YC, Lee CC, Guo WY, Shiau CY, Chang YC, Pan DH, Sheehan JP, Chung WY. Gamma knife radiosurgery for the treatment of cavernous sinus meningiomas: post-treatment long-term clinical outcomes, complications, and volume changes. *J Neurooncol.* 2019 Jun;143(2):261-270. doi: 10.1007/s11060-019-03090-6. Epub 2019 Apr 24. PubMed PMID: 31020456.
- 56: Raper DMS, Chen CJ, Kumar J, Kalani MY, Park MS. Predicting Outcomes for Cerebral Aneurysms Treated with Flow Diversion: A Comparison Between 4 Grading Scales. *World Neurosurg.* 2019 Apr 17. pii: S1878-8750(19)31091-5. doi: 10.1016/j.wneu.2019.04.099. [Epub ahead of print] PubMed PMID: 31004852.
- 57: Buell TJ, Raper DMS, Ding D, Chen CJ, Wang TR, Taylor DG, Ilyas A, Kalani MYS, Park MS, Mahaney KB, Liu KC. Concurrent Venous Stenting of the Transverse and Occipito-Marginal Sinuses: An Analogy with Parallel Hemodynamic Circuits. *J Neurosci Rural Pract.* 2019 Apr-Jun;10(2):334-338. doi: 10.4103/jnrrp.jnrrp_259_18. PubMed PMID: 31001030; PubMed Central PMCID: PMC6454934.
- 58: Prada F, Gennari AG, Del Bene M, Bono BC, Quaia E, D'Incerti L, Villani F, Didato G, Tringali G, DiMeco F. Intraoperative ultrasonography (ioUS) characteristics of focal cortical dysplasia (FCD) type II b. Seizure. 2019 Jul;69:80-86. doi: 10.1016/j.seizure.2019.02.020. Epub 2019 Mar 12. PubMed PMID: 30999253.
- 59: Pomeranec IJ, Taylor DG, Cohen-Inbar O, Xu Z, Lee Vance M, Sheehan JP. Radiation dose to neuroanatomical structures of pituitary neuroendocrine tumors and the effect of Gamma Knife radiosurgery on pituitary function. *J Neurosurg.* 2019 Apr 12:1-8. doi: 10.3171/2019.1.JNS182296. [Epub ahead of print] PubMed PMID: 30978685.
- 60: Ostrom QT, Egan KM, Nabors LB, Gerke T, Thompson RC, Olson JJ, LaRocca R, Chowdhary S, Eckel-Passow JE, Armstrong G, Wiencke JK, Bernstein JL, Claus EB, Il'yasova D, Johansen C, Lachance DH, Lai RK, Merrell RT, Olson SH, Sadetzki S, Schildkraut JM, Shete S, Houlston RS, Jenkins RB, Wrensch MR, Melin B, Amos CI, Huse JT, Barnholtz-Sloan JS, Bondy ML. Glioma risk associated with extent of estimated European genetic ancestry in African Americans and Hispanics. *Int J Cancer.* 2019 Apr 9. doi: 10.1002/ijc.32318. [Epub ahead of print] PubMed PMID: 30963577.
- 61: Tang Y, Ma S, Wang X, Xing Q, Huang T, Liu H, Li Q, Zhang Y, Zhang K, Yao M, Yang GL, Li H, Zang X, Yang B, Guan F. Identification of chimeric RNAs in human infant brains and their implications in neural differentiation. *Int J Biochem Cell Biol.* 2019 Jun;111:19-26. doi: 10.1016/j.biocel.2019.03.012. Epub 2019 Apr 5. PubMed PMID: 30959201.
- 62: Jean WC, Tai AX, Hogan E, Herur-Raman A, Felbaum DR, Leonardo J, Syed HR. An anatomical study of the foramen of Monro: implications in management of pineal tumors presenting with hydrocephalus. *Acta Neurochir (Wien).* 2019 May;161(5):975-983. doi: 10.1007/s00701-019-03887-4. Epub 2019 Apr 5. PubMed PMID: 30953154.
- 63: Dunn LK, Thiele RH, Lin MC, Nemergut EC, Durieux ME, Tsang S, Shaffrey ME, Smith JS, Shaffrey CI, Naik BI. The Impact of Alvimopan on Return of Bowel Function After Major Spine Surgery - A Prospective, Randomized, Double-Blind Study. *Neurosurgery.* 2019 Aug 1;85(2):E233-E239. doi: 10.1093/neuros/nyz005. PubMed PMID: 30951602.

64: Anderson DJ, Kipke DR, Nagel SJ, Lempka SF, Machado AG, Holland MT, Gillies GT, Howard MA 3rd, Wilson S. Intradural Spinal Cord Stimulation: Performance Modeling of a New Modality. *Front Neurosci*. 2019 Mar 19;13:253. doi: 10.3389/fnins.2019.00253. eCollection 2019. PubMed PMID: 30941012; PubMed Central PMCID: PMC6434968.

65: Buell TJ, Taylor DG, Chen CJ, Dunn LK, Mullin JP, Mazur MD, Yen CP, Shaffrey ME, Shaffrey CI, Smith JS, Naik BI. Rotational thromboelastometry-guided transfusion during lumbar pedicle subtraction osteotomy for adult spinal deformity: preliminary findings from a matched cohort study. *Neurosurg Focus*. 2019 Apr 1;46(4):E17. doi: 10.3171/2019.1.FOCUS18572. PubMed PMID: 30933918.

66: Passias PG, Segreto FA, Lafage R, Lafage V, Smith JS, Line BG, Scheer JK, Mundis GM, Hamilton DK, Kim HJ, Horn SR, Bortz CA, Diebo BG, Vira S, Gupta MC, Klineberg EO, Burton DC, Hart RA, Schwab FJ, Shaffrey CI, Ames CP, Bess S; International Spine Study Group. Recovery kinetics following spinal deformity correction: a comparison of isolated cervical, thoracolumbar, and combined deformity morphometries. *Spine J*. 2019 Aug;19(8):1422-1433. doi: 10.1016/j.spinee.2019.03.006. Epub 2019 Mar 28. PubMed PMID: 30930292.

67: Goldschmidt E, Angriman F, Agarwal N, Trevisan M, Zhou J, Chen K, Gerszten PC, Kanter AS, Okonkwo DO, Passias P, Scheer J, Protopsaltis T, Lafage V, Lafage R, Schwab F, Bess S, Ames C, Smith JS, Shaffrey CI, Miller E, Jain A, Neuman B, Sciubba DM, Burton D, Hamilton DK; International Spine Study Group (ISSG). A New Piece of the Puzzle to Understand Cervical Sagittal Alignment: Utilizing a Novel Angle δ to Describe the Relationship among T1 Vertebral Body Slope, Cervical Lordosis, and Cervical Sagittal Alignment. *Neurosurgery*. 2019 Mar 29. pii: nyz088. doi: 10.1093/neuros/nyz088. [Epub ahead of print] PubMed PMID: 30924497.

68: Smith JS, Shaffrey CI, Kelly MP, Yanik EL, Lurie JD, Baldus CR, Edwards C, Glassman SD, Lenke LG, Boachie-Adjei O, Buchowski JM, Carreon LY, Crawford CH 3rd, Errico TJ, Lewis SJ, Koski T, Parent S, Kim HJ, Ames CP, Bess S, Schwab FJ, Bridwell KH. Effect of Serious Adverse Events on Health-related Quality of Life Measures Following Surgery for Adult Symptomatic Lumbar Scoliosis. *Spine (Phila Pa 1976)*. 2019 Sep 1;44(17):1211-1219. doi: 10.1097/BRS.0000000000003036. PubMed PMID: 30921297; PubMed Central PMCID: PMC6697202.

69: Gillman GS, Staltari GV, Chang YF, Mattos JL. A Prospective Study of Outcomes of Septoplasty with Turbinate Reductions in Patients with Allergic Rhinitis. *Otolaryngol Head Neck Surg*. 2019 Jun;160(6):1118-1123. doi: 10.1177/0194599819838761. Epub 2019 Mar 26. PubMed PMID: 30909804.

70: Panesar S, Cagle Y, Chander D, Morey J, Fernandez-Miranda J, Kliot M. Artificial Intelligence and the Future of Surgical Robotics. *Ann Surg*. 2019 Aug;270(2):223-226. doi: 10.1097/SLA.0000000000003262. PubMed PMID: 30907754.

71: Xiao A, Brenneman B, Floyd D, Comeau L, Spurio K, Olmez I, Lee J, Nakano I, Godlewski J, Bronisz A, Kagaya N, Shin-Ya K, Purow B. Statins affect human glioblastoma and other cancers through TGF- β inhibition. *Oncotarget*. 2019 Mar 1;10(18):1716-1728. doi: 10.18632/oncotarget.26733. eCollection 2019 Mar 1. PubMed PMID: 30899443; PubMed Central PMCID: PMC6422202.

72: Ames CP, Smith JS, Pellisé F, Kelly MP, Gum JL, Alanay A, Acaroğlu E, Pérez-Grueso FJS, Kleinstück FS, Obeid I, Vila-Casademunt A, Burton DC, Lafage V, Schwab FJ, Shaffrey CI, Bess S, Serra-Burriel M; European Spine Study Group, International Spine Study Group. Development of Deployable Predictive Models for Minimal Clinically Important Difference Achievement Across the Commonly Used Health-related Quality of Life Instruments in Adult Spinal Deformity Surgery. *Spine (Phila Pa 1976)*. 2019 Aug 15;44(16):1144-1153. doi: 10.1097/BRS.0000000000003031. PubMed PMID: 30896589.

- 73: Kearns KN, Yagmurlu K, Chen CJ, Jane J Jr, Park MS, Kalani MYS. Deletion of 6p25.3 Is Associated with Cerebrovascular Dolichoectasia: Report of 2 Cases. *Pediatr Neurosurg*. 2019;54(3):196-200. doi: 10.1159/000497148. Epub 2019 Mar 19. PubMed PMID: 30889612.
- 74: Mohammed N, Narayan V, Patra D, Savardekar AR, Riaz M, Nanda A. Management of Meningiomas Involving the Major Venous Sinuses: A Single-Institution Experience. *World Neurosurg*. 2019 Jul;127:e179-e185. doi: 10.1016/j.wneu.2019.03.043. Epub 2019 Mar 13. PubMed PMID: 30878750.
- 75: Gao N, Zhang-Brotzge X, Wali B, Sayeed I, Chern JJ, Blackwell LS, Kuan CY, Reisner A. Plasma osteopontin may predict neuroinflammation and the severity of pediatric traumatic brain injury. *J Cereb Blood Flow Metab*. 2019 Mar 13:271678x19836412. doi: 10.1177/0271678x19836412. [Epub ahead of print] PubMed PMID: 30866741.
- 76: Bortz CA, Passias PG, Segreto F, Horn SR, Lafage V, Smith JS, Line B, Mundis GM, Kebaish KM, Kelly MP, Protopsaltis T, Sciubba DM, Soroceanu A, Klineberg EO, Burton DC, Hart RA, Schwab FJ, Bess S, Shaffrey CI, Ames CP. Indicators for Nonroutine Discharge Following Cervical Deformity-Corrective Surgery: Radiographic, Surgical, and Patient-Related Factors. *Neurosurgery*. 2019 Sep 1;85(3):E509-E519. doi: 10.1093/neuros/nyz016. PubMed PMID: 30848284.
- 77: Franzini A, Moosa S, D'Ammando A, Bono B, Scheitler-Ring K, Ferroli P, Messina G, Prada F, Franzini A. The neurosurgical treatment of craniofacial pain syndromes: current surgical indications and techniques. *Neurol Sci*. 2019 May;40(Suppl 1):159-168. doi: 10.1007/s10072-019-03789-4. Review. PubMed PMID: 30835002.
- 78: Chen CJ, Shabo LM, Ding D, Ironside N, Kano H, Mathieu D, Kondziolka D, Feliciano C, Rodriguez-Mercado R, Grills IS, Barnett G, Lunsford LD, Sheehan JP; International Radiosurgery Research Foundation. Seizure Presentation in Patients with Brain Arteriovenous Malformations Treated with Stereotactic Radiosurgery: A Multicenter Study. *World Neurosurg*. 2019 Mar 1. pii: S1878-8750(19)30515-7. doi: 10.1016/j.wneu.2019.02.104. [Epub ahead of print] PubMed PMID: 30831294.
- 79: Lamano JB, Lamano JB, Li YD, DiDomenico JD, Choy W, Veliceasa D, Oyon DE, Fakurnejad S, Ampie L, Kesavabhotla K, Kaur R, Kaur G, Biyashev D, Unruh DJ, Horbinski CM, James CD, Parsa AT, Bloch O. Glioblastoma-Derived IL6 Induces Immunosuppressive Peripheral Myeloid Cell PD-L1 and Promotes Tumor Growth. *Clin Cancer Res*. 2019 Jun 15;25(12):3643-3657. doi: 10.1158/1078-0432.CCR-18-2402. Epub 2019 Mar 1. PubMed PMID: 30824583; PubMed Central PMCID: PMC6571046.
- 80: Muskens IS, Hansen HM, Smirnov IV, Molinaro AM, Bondy ML, Schildkraut JM, Wrensch M, Wiemels JL, Claus EB. Longer genotypically-estimated leukocyte telomere length is associated with increased meningioma risk. *J Neurooncol*. 2019 May;142(3):479-487. doi: 10.1007/s11060-019-03119-w. Epub 2019 Feb 22. PubMed PMID: 30796745; PubMed Central PMCID: PMC6482066.
- 81: Shrivastava A, Mohammed N, Xu Z, Liščák R, Kosak M, Krsek M, Karim KA, Lee CC, Martínez-Moreno N, Lee Vance M, Lunsford LD, Sheehan JP. Outcomes After Gamma Knife Stereotactic Radiosurgery in Pediatric Patients with Cushing Disease or Acromegaly: A Multi-Institutional Study. *World Neurosurg*. 2019 Feb 18. pii: S1878-8750(19)30370-5. doi: 10.1016/j.wneu.2019.01.252. [Epub ahead of print] PubMed PMID: 30790739.
- 82: Passias PG, Poorman GW, Horn SR, Jalai CM, Bortz C, Segreto F, Diebo BM, Daniels A, Hamilton DK, Sciubba D, Smith J, Neuman B, Shaffrey CI, LaFage V, LaFage R, Schwab F, Bess S, Ames C, Hart R, Soroceanu A, Mundis G, Eastlack R; International Spine Study Group. Effect of Obesity on

Radiographic Alignment and Short-Term Complications After Surgical Treatment of Adult Cervical Deformity. *World Neurosurg.* 2019 Feb 18. pii: S1878-8750(19)30364-X. doi: 10.1016/j.wneu.2019.01.248. [Epub ahead of print] PubMed PMID: 30790725.

83: Acerbi F, Prada F, Vetrano IG, Falco J, Faragò G, Ferroli P, DiMeco F. Indocyanine Green and Contrast-enhanced Ultrasound videoangiography: a synergistic approach for real-time verification of distal revascularization and aneurysm occlusion in a complex distal middle cerebral artery aneurysm. *World Neurosurg.* 2019 Feb 15. pii: S1878-8750(19)30354-7. doi: 10.1016/j.wneu.2019.01.241. [Epub ahead of print] PubMed PMID: 30776513.

84: Chen CJ, Ding D, Ironside N, Buell TJ, Southerland AM, Woo D, Worrall BB; ERICH Investigators. Predictors of Surgical Intervention in Patients with Spontaneous Intracerebral Hemorrhage. *World Neurosurg.* 2019 Mar;123:e700-e708. doi: 10.1016/j.wneu.2018.11.260. Epub 2019 Feb 8. PubMed PMID: 30743036; PubMed Central PMCID: PMC6401311.

85: Alshareef M, Klapthor G, Alshareef A, Almadidy Z, Wright Z, Infinger L, Eskandari R. Pediatric Cranial Fasciitis: Discussion of Cases and Systematic Review of the Literature. *World Neurosurg.* 2019 Feb 8. pii: S1878-8750(19)30304-3. doi: 10.1016/j.wneu.2019.01.193. [Epub ahead of print] PubMed PMID: 30743035.

86: Buell TJ, Bess S, Xu M, Schwab FJ, Lafage V, Ames CP, Shaffrey CI, Smith JS. Optimal tether configurations and preload tensioning to prevent proximal junctional kyphosis: a finite element analysis. *J Neurosurg Spine.* 2019 Feb 8;1-11. doi: 10.3171/2018.10.SPINE18429. [Epub ahead of print] PubMed PMID: 30738393.

87: Ironside N, Buell TJ, Chen CJ, Kumar JS, Paisan GM, Sokolowski JD, Liu KC, Ding D. High-Grade Aneurysmal Subarachnoid Hemorrhage: Predictors of Functional Outcome. *World Neurosurg.* 2019 Feb 6. pii: S1878-8750(19)30262-1. doi: 10.1016/j.wneu.2019.01.162. [Epub ahead of print] PubMed PMID: 30735864.

88: Chen CJ, Ding D, Ironside N, Buell TJ, Southerland AM, Koch S, Flaherty M, Woo D, Worrall BB; ERICH Investigators. Cigarette Smoking History and Functional Outcomes After Spontaneous Intracerebral Hemorrhage. *Stroke.* 2019 Mar;50(3):588-594. doi: 10.1161/STROKEAHA.118.023580. PubMed PMID: 30732556; PubMed Central PMCID: PMC6389405.

89: Marini S, Crawford K, Morotti A, Lee MJ, Pezzini A, Moomaw CJ, Flaherty ML, Montaner J, Roquer J, Jimenez-Conde J, Giralt-Steinhauer E, Elosua R, Cuadrado-Godia E, Soriano-Tarraga C, Slowik A, Jagiella JM, Pera J, Urbanik A, Pichler A, Hansen BM, McCauley JL, Tirschwell DL, Selim M, Brown DL, Silliman SL, Worrall BB, Meschia JF, Kidwell CS, Testai FD, Kittner SJ, Schmidt H, Enzinger C, Deary IJ, Rannikmaa K, Samarasekera N, Salman RA, Sudlow CL, Klijn CJM, van Nieuwenhuizen KM, Fernandez-Cadenas I, Delgado P, Norrving B, Lindgren A, Goldstein JN, Viswanathan A, Greenberg SM, Falcone GJ, Biffi A, Langefeld CD, Woo D, Rosand J, Anderson CD; International Stroke Genetics Consortium. Association of Apolipoprotein E With Intracerebral Hemorrhage Risk by Race/Ethnicity: A Meta-analysis. *JAMA Neurol.* 2019 Apr 1;76(4):480-491. doi: 10.1001/jamaneurol.2018.4519. PubMed PMID: 30726504; PubMed Central PMCID: PMC6459133.

90: Horn SR, Passias PG, Hockley A, Lafage R, Lafage V, Hassanzadeh H, Horowitz JA, Bortz CA, Segreto FA, Brown AE, Smith JS, Sciubba DM, Mundis GM, Kelley MP, Daniels AH, Burton DC, Hart RA, Schwab FJ, Bess S, Shaffrey CI, Hostin RA, Ames CP; International Spine Study Group. Cost-utility of revisions for cervical deformity correction warrants minimization of reoperations. *J Spine Surg.* 2018 Dec;4(4):702-711. doi: 10.21037/jss.2018.10.02. PubMed PMID: 30714001; PubMed Central PMCID: PMC6330577.

- 91: Atkins I, Kinnnersley B, Ostrom QT, Labreche K, Il'yasova D, Armstrong GN, Eckel-Passow JE, Schoemaker MJ, Nöthen MM, Barnholtz-Sloan JS, Swerdlow AJ, Simon M, Rajaraman P, Chanock SJ, Schildkraut J, Bernstein JL, Hoffmann P, Jöckel KH, Lai RK, Claus EB, Olson SH, Johansen C, Wrensch MR, Melin B, Jenkins RB, Sanson M, Bondy ML, Houlston RS. Transcriptome-Wide Association Study Identifies New Candidate Susceptibility Genes for Glioma. *Cancer Res.* 2019 Apr 15;79(8):2065-2071. doi: 10.1158/0008-5472.CAN-18-2888. Epub 2019 Feb 1. PubMed PMID: 30709929; PubMed Central PMCID: PMC6522343.
- 92: Batchala PP, Muttikkal TJE, Donahue JH, Patrie JT, Schiff D, Fadul CE, Mrachek EK, Lopes MB, Jain R, Patel SH. Neuroimaging-Based Classification Algorithm for Predicting 1p/19q-Codeletion Status in IDH-Mutant Lower Grade Gliomas. *AJNR Am J Neuroradiol.* 2019 Mar;40(3):426-432. doi: 10.3174/ajnr.A5957. Epub 2019 Jan 31. PubMed PMID: 30705071.
- 93: Kalani MYS. Commentary: A Clinical Rule for Preoperative Prediction of BRAF Mutation Status in Craniopharyngiomas. *Neurosurgery.* 2019 Aug 1;85(2):E240. doi: 10.1093/neuros/nyy594. PubMed PMID: 30698770.
- 94: Legnani FG, Franzini A, Mattei L, Saladino A, Casali C, Prada F, Perin A, Cojazzi V, Saini M, Kronreif G, Wolfsberger S, DiMeco F. Image-Guided Biopsy of Intracranial Lesions with a Small Robotic Device (iSYS1): A Prospective, Exploratory Pilot Study. *Oper Neurosurg (Hagerstown).* 2019 Jan 23. doi: 10.1093/ons/opy411. [Epub ahead of print] PubMed PMID: 30690491.
- 95: Lee CC, Yang HC, Lin CJ, Chen CJ, Wu HM, Shiau CY, Guo WY, Hung-Chi Pan D, Liu KD, Chung WY, Peng SJ. Intervening Nidal Brain Parenchyma and Risk of Radiation-Induced Changes After Radiosurgery for Brain Arteriovenous Malformation: A Study Using an Unsupervised Machine Learning Algorithm. *World Neurosurg.* 2019 Jan 22. pii: S1878-8750(19)30103-2. doi: 10.1016/j.wneu.2018.12.220. [Epub ahead of print] PubMed PMID: 30677586.
- 96: Hadjipanayis CG, Stummer W, Sheehan JP. 5-ALA fluorescence-guided surgery of CNS tumors. *J Neurooncol.* 2019 Feb;141(3):477-478. doi: 10.1007/s11060-019-03109-y. PubMed PMID: 30671710.
- 97: Takahashi H, Cornish AJ, Sud A, Law PJ, Disney-Hogg L, Calvocoressi L, Lu L, Hansen HM, Smirnov I, Walsh KM, Schramm J, Hoffmann P, Nöthen MM, Jöckel KH, Schildkraut JM, Simon M, Bondy M, Wrensch M, Wiemels JL, Claus EB, Turnbull C, Houlston RS. Mendelian randomization provides support for obesity as a risk factor for meningioma. *Sci Rep.* 2019 Jan 22;9(1):309. doi: 10.1038/s41598-018-36186-6. PubMed PMID: 30670737; PubMed Central PMCID: PMC6343031.
- 98: Majzner RG, Theruvath JL, Nellan A, Heitzeneder S, Cui Y, Mount CW, Rietberg SP, Linde MH, Xu P, Rota C, Sotillo E, Labanieh L, Lee DW, Orentas RJ, Dimitrov DS, Zhu Z, Croix BS, Delaidelli A, Sekunova A, Bonvini E, Mitra SS, Quezado MM, Majeti R, Monje M, Sorensen PHB, Maris JM, Mackall CL. CAR T Cells Targeting B7-H3, a Pan-Cancer Antigen, Demonstrate Potent Preclinical Activity Against Pediatric Solid Tumors and Brain Tumors. *Clin Cancer Res.* 2019 Apr 15;25(8):2560-2574. doi: 10.1158/1078-0432.CCR-18-0432. Epub 2019 Jan 17. PubMed PMID: 30655315.
- 99: Yagmurlu K, Norat P, Park M, Kalani MYS. Suboccipital Craniotomy for Resection of a Dorsal Medullary Cerebral Cavernous Malformation: 2-Dimensional Operative Video. *Oper Neurosurg (Hagerstown).* 2019 Jul 1;17(1):E11. doi: 10.1093/ons/opy412. PubMed PMID: 30649553.
- Tyler PD, Du H, Feng M, Bai R, Xu Z, Horowitz GL, Stone DJ, Celi LA. Assessment of [Intensive Care Unit Laboratory](#) Values That Differ From Reference Ranges and Association With Patient [Mortality](#) and [Length of Stay](#). *JAMA Netw Open.* 2018 Nov 2;1(7):e184521. doi: 10.1001/jamanetworkopen.2018.4521. PubMed PMID: 30646358.

Yeramaneni S, Gum JL, Carreon LY, Klineberg EO, Smith JS, Jain A, Hostin RA. Impact of Readmissions in Episodic Care of Adult Spinal Deformity: Event-Based Cost Analysis of 695 Consecutive Cases. *J Bone Joint Surg Am*. 2018 Mar 21;100(6):487-495. doi: 10.2106/JBJS.16.01589. PubMed PMID: 29557865.

OBJECTIVES: To evaluate the relative validity of criteria for the identification of sepsis in an ICU database.

DESIGN: Retrospective cohort study of adult ICU admissions from 2008 to 2012.

SETTING: Tertiary teaching hospital in Boston, MA.

PATIENTS: Initial admission of all adult patients to noncardiac surgical ICUs.

INTERVENTIONS: Comparison of five different algorithms for retrospectively identifying sepsis, including the Sepsis-3 criteria.

MEASUREMENTS AND MAIN RESULTS: 11,791 of 23,620 ICU admissions (49.9%) met criteria for the study. Within this subgroup, 59.9% were suspected of infection on ICU admission, 75.2% of admissions had Sequential Organ Failure Assessment greater than or equal to 2, and 49.1% had both suspicion of infection and Sequential Organ Failure Assessment greater than or equal to 2 thereby meeting the Sepsis-3 criteria. The area under the receiver operator characteristic of Sequential Organ Failure Assessment (0.74) for [Hospital mortality](#) was consistent with previous studies of the Sepsis-3 criteria. The Centers for Disease Control and Prevention, Angus, Martin, Centers for Medicare & Medicaid Services, and explicit coding methods for identifying sepsis revealed respective sepsis incidences of 31.9%, 28.6%, 14.7%, 11.0%, and 9.0%. In [Hospital mortality](#) increased with decreasing cohort size, ranging from 30.1% (explicit codes) to 14.5% (Sepsis-3 criteria). Agreement among the criteria was acceptable (Cronbach's alpha, 0.40-0.62).

The new organ dysfunction-based Sepsis-3 criteria have been proposed as a clinical method for identifying sepsis. These criteria identified a larger, less severely ill cohort than that identified by previously used administrative definitions. The Sepsis-3 criteria have several advantages over prior methods, including less susceptibility to coding practices changes, provision of temporal context, and possession of high construct validity. However, the Sepsis-3 criteria also present new challenges, especially when calculated retrospectively. Future studies on sepsis should recognize the differences in outcome incidence among identification methods and contextualize their findings according to the different cohorts identified ¹⁾.

401: Starke RM, Cappuzzo JM, Erickson NJ, Sherman JH. Pineal cysts and other pineal region malignancies: determining factors predictive of hydrocephalus and malignancy. *J Neurosurg*. 2017 Aug;127(2):249-254. doi: 10.3171/2016.8.JNS16220. Epub 2016 Oct 21. PubMed PMID: 27767399.

402: Ding D, Xu Z, Shih HH, Starke RM, Yen CP, Cohen-Inbar O, Sheehan JP. Worse Outcomes After Repeat vs Initial Stereotactic Radiosurgery for Cerebral Arteriovenous Malformations: A Retrospective Matched-Cohort Study. *Neurosurgery*. 2016 Nov;79(5):690-700. PubMed PMID: 27759676.

403: Wilson S, Abode-Iyamah KO, Miller JW, Reddy CG, Safayi S, Fredericks DC, Jeffery ND, DeVries-Watson NA, Shivapour SK, Viljoen S, Dalm BD, Gibson-Corley KN, Johnson MD, Gillies GT, Howard MA

3rd. An ovine model of spinal cord injury. *J Spinal Cord Med.* 2017 May;40(3):346-360. doi: 10.1080/10790268.2016.1222475. Epub 2016 Oct 19. PubMed PMID: 27759502; PubMed Central PMCID: PMC5472023.

404: Anderson CD, Falcone GJ, Phuah CL, Radmanesh F, Brouwers HB, Battey TW, Biffi A, Peloso GM, Liu DJ, Ayres AM, Goldstein JN, Viswanathan A, Greenberg SM, Selim M, Meschia JF, Brown DL, Worrall BB, Silliman SL, Tirschwell DL, Flaherty ML, Kraft P, Jagiella JM, Schmidt H, Hansen BM, Jimenez-Conde J, Giralt-Steinhauer E, Elosua R, Cuadrado-Godia E, Soriano C, van Nieuwenhuizen KM, Klijn CJ, Rannikmae K, Samarasekera N, Al-Shahi Salman R, Sudlow CL, Deary IJ, Morotti A, Pezzini A, Pera J, Urbanik A, Pichler A, Enzinger C, Norrving B, Montaner J, Fernandez-Cadenas I, Delgado P, Roquer J, Lindgren A, Slowik A, Schmidt R, Kidwell CS, Kittner SJ, Waddy SP, Langefeld CD, Abecasis G, Willer CJ, Kathiresan S, Woo D, Rosand J; Global Lipids Genetics Consortium and International Stroke Genetics Consortium. Genetic variants in CETP increase risk of intracerebral hemorrhage. *Ann Neurol.* 2016 Nov;80(5):730-740. doi: 10.1002/ana.24780. Epub 2016 Oct 19. PubMed PMID: 27717122; PubMed Central PMCID: PMC5115931.

405: Feldman MJ, Sizdahkhani S, Edwards NA, Merrill MJ, Ray-Chaudhury A, Zhuang Z, Lonser RR, Oldfield EH, Chittiboina P. Loss of Quiescence in von Hippel-Lindau Hemangioblastomas is Associated with Erythropoietin Signaling. *Sci Rep.* 2016 Oct 17;6:35486. doi: 10.1038/srep35486. PubMed PMID: 27748427; PubMed Central PMCID: PMC5066214.

406: Onyekwelu I, Glassman SD, Asher AL, Shaffrey CI, Mummaneni PV, Carreon LY. Impact of obesity on complications and outcomes: a comparison of fusion and nonfusion lumbar spine surgery. *J Neurosurg Spine.* 2017 Feb;26(2):158-162. doi: 10.3171/2016.7.SPINE16448. Epub 2016 Oct 14. PubMed PMID: 27740396.

407: Li Y, Bor YC, Fitzgerald MP, Lee KS, Rekosh D, Hammarskjold ML. An NXF1 mRNA with a retained intron is expressed in hippocampal and neocortical neurons and is translated into a protein that functions as an Nxf1 cofactor. *Mol Biol Cell.* 2016 Dec 1;27(24):3903-3912. Epub 2016 Oct 5. PubMed PMID: 27708137; PubMed Central PMCID: PMC5170612.

408: Ding D, Brew S, McGuinness B, Mee EW. Iatrogenic dural arteriovenous fistula after surgical resection of a ruptured brain arteriovenous malformation. *J Neurosci Rural Pract.* 2016 Oct-Dec;7(4):604-606. PubMed PMID: 27695251; PubMed Central PMCID: PMC5006483.

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

410: Cohen-Inbar O, Starke RM, Kano H, Bowden G, Huang P, Rodriguez-Mercado R, Almodovar L, Grills IS, Mathieu D, Silva D, Abbassy M, Missios S, Lee JYK, Barnett GH, Kondziolka D, Lunsford LD, Sheehan JP. Stereotactic radiosurgery for cerebellar arteriovenous malformations: an international multicenter study. *J Neurosurg.* 2017 Sep;127(3):512-521. doi: 10.3171/2016.7.JNS161208. Epub 2016 Sep 30. PubMed PMID: 27689461.

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

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

413: Cohen-Inbar O, Starke RM, Paisan G, Kano H, Huang PP, Rodriguez-Mercado R, Almodovar L, Grills IS, Mathieu D, Silva D, Abbassy M, Missios S, Lee JYK, Barnett GH, Kondziolka D, Lunsford LD, Sheehan JP. Early versus late arteriovenous malformation responders after stereotactic radiosurgery: an international multicenter study. *J Neurosurg*. 2017 Sep;127(3):503-511. doi: 10.3171/2016.7.JNS161194. Epub 2016 Sep 23. PubMed PMID: 27662534.

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

415: Hong CS, Peterson EC, Ding D, Sur S, Hasan D, Dumont AS, Chalouhi N, Jabbour P, Starke RM. Intervention for A randomized trial of unruptured brain arteriovenous malformations (ARUBA) - Eligible patients: An evidence-based review. *Clin Neurol Neurosurg*. 2016 Nov;150:133-138. doi: 10.1016/j.clineuro.2016.09.007. Epub 2016 Sep 15. Review. PubMed PMID: 27656780.

416: Ding D, Law AJ, Scotter J, Brew S. Lumbar disc herniation exacerbating venous hypertension from a spinal perimedullary arteriovenous fistula of the filum terminale. *J Neurol Sci*. 2016 Oct 15;369:276-277. doi: 10.1016/j.jns.2016.08.054. Epub 2016 Aug 28. PubMed PMID: 27653907.

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

418: Sheehan J, Lee CC, Bodach ME, Tumialan LM, Oyesiku NM, Patil CG, Litvack Z, Zada G, Aghi MK. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline for the Management of Patients With Residual or Recurrent Nonfunctioning pituitary neuroendocrine tumors. *Neurosurgery*. 2016 Oct;79(4):E539-40. doi: 10.1227/NEU.0000000000001385. Review. PubMed PMID: 27635963.

419: Newman SA, Turbin RE, Bodach ME, Tumialan LM, Oyesiku NM, Litvack Z, Zada G, Patil CG, Aghi MK. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on Pretreatment Ophthalmology Evaluation in Patients With Suspected Nonfunctioning pituitary neuroendocrine tumors. *Neurosurgery*. 2016 Oct;79(4):E530-2. doi: 10.1227/NEU.0000000000001388. Review. PubMed PMID: 27635960.

420: Aghi MK, Chen CC, Fleseriu M, Newman SA, Lucas JW, Kuo JS, Barkhoudarian G, Farrell CJ, Sheehan J, Ziu M, Dunn IF. Congress of Neurological Surgeons Systematic Review and Evidence-Based Guidelines on the Management of Patients With Nonfunctioning pituitary neuroendocrine tumors: Executive Summary. *Neurosurgery*. 2016 Oct;79(4):521-3. doi: 10.1227/NEU.0000000000001386. Review. PubMed PMID: 27635956.

421: Bess S, Harris JE, Turner AW, LaFage V, Smith JS, Shaffrey CI, Schwab FJ, Haid RW Jr. The effect of

posterior polyester tethers on the biomechanics of proximal junctional kyphosis: a finite element analysis. *J Neurosurg Spine*. 2017 Jan;26(1):125-133. doi: 10.3171/2016.6.SPINE151477. Epub 2016 Sep 9. PubMed PMID: 27611508.

422: Dunn LK, Naik BI, Nemergut EC, Durieux ME. Post-Craniotomy Pain Management: Beyond Opioids. *Curr Neurol Neurosci Rep*. 2016 Oct;16(10):93. doi: 10.1007/s11910-016-0693-y. Review. PubMed PMID: 27604271.

423: Zanaty M, Daou B, Chalouhi N, Starke RM, Samaniego E, Derdeyn C, Jabbour P, Hasan D. Same-Day Discharge After Treatment with the Pipeline Embolization Device Using Monitored Anesthesia Care. *World Neurosurg*. 2016 Dec;96:31-35. doi: 10.1016/j.wneu.2016.08.050. Epub 2016 Aug 23. PubMed PMID: 27565476.

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

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

426: Li G, Liu D, Cooper TK, Kimchi ET, Qi X, Avella DM, Li N, Yang QX, Kester M, Rountree CB, Kaifi JT, Cole DJ, Rockey DC, Schell TD, Staveley-O'Carroll KF. Successful chemoimmunotherapy against hepatocellular cancer in a novel murine model. *J Hepatol*. 2017 Jan;66(1):75-85. doi: 10.1016/j.jhep.2016.07.044. Epub 2016 Aug 9. PubMed PMID: 27520877; PubMed Central PMCID: PMC5167655.

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

428: Trifiletti DM, Lee CC, Kano H, Cohen J, Janopaul-Naylor J, Alonso-Basanta M, Lee JYK, Simonova G, Liscak R, Wolf A, Kvint S, Grills IS, Johnson M, Liu KD, Lin CJ, Mathieu D, Héroux F, Silva D, Sharma M, Cifarelli CP, Watson CN, Hack JD, Golfinos JG, Kondziolka D, Barnett G, Lunsford LD, Sheehan JP. Stereotactic Radiosurgery for Brainstem Metastases: An International Cooperative Study to Define Response and Toxicity. *Int J Radiat Oncol Biol Phys*. 2016 Oct 1;96(2):280-288. doi: 10.1016/j.ijrobp.2016.06.009. Epub 2016 Jun 15. PubMed PMID: 27478166; PubMed Central PMCID: PMC5014646.

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

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

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

PMCID: PMC4943164.

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

433: Sokolowski JD, Cohen-Inbar O, Sheehan JP. Radiosurgery for infundibulum adenoma: stalk dose implications. *Acta Neurochir (Wien)*. 2016 Sep;158(9):1697-700. doi: 10.1007/s00701-016-2894-1. Epub 2016 Jul 19. PubMed PMID: 27435739.

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

435: Purdy PD, South C, Klucznik RP, Liu KC, Novakovic RL, Puri AS, Pride GL, Aagaard-Kienitz B, Ray A, Elliott AC. Use of a pressure sensing sheath: comparison with standard means of blood pressure monitoring in catheterization procedures. *J Neurointerv Surg*. 2017 Aug;9(8):766-771. doi: 10.1136/neurintsurg-2016-012536. Epub 2016 Jul 15. PubMed PMID: 27422970; PubMed Central PMCID: PMC5583680.

436: Christiansen PA, LaBagnara M, Sure DR, Shaffrey CI, Smith JS. Complications of surgical intervention in adult lumbar scoliosis. *Curr Rev Musculoskelet Med*. 2016 Sep;9(3):281-9. doi: 10.1007/s12178-016-9357-4. Review. PubMed PMID: 27411528; PubMed Central PMCID: PMC4958389.

437: Adogwa O, Sure DR, LaBagnara M, Shaffrey CI, Fessler RG. Minimally Invasive Spine Surgery and Sagittal Correction. *Neurosurgery*. 2016 Aug;63 Suppl 1:31-36. doi: 10.1227/NEU.0000000000001290. PubMed PMID: 27399361.

438: Soroceanu A, Oren JH, Smith JS, Hostin R, Shaffrey CI, Mundis GM, Ames CP, Burton DC, Bess S, Gupta MC, Deviren V, Schwab FJ, Lafage V, Errico TJ. Effect of Antifibrinolytic Therapy on Complications, Thromboembolic Events, Blood Product Utilization, and Fusion in Adult Spinal Deformity Surgery. *Spine (Phila Pa 1976)*. 2016 Jul 15;41(14):E879-86. doi: 10.1097/BRS.0000000000001454. PubMed PMID: 27398796.

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

440: Maximov GK, Maximov KG, Chokoeva AA, Lotti T, Wollina U, Patterson JW, Guarneri C, Tana C, Fioranelli M, Rocchia MG, Kanazawa N, Tchernev G. 5-hydroxytryptamine and Lyme disease. Opportunity for a novel therapy to reduce the cerebellar tremor? *J Biol Regul Homeost Agents*. 2016 Apr-Jun;30(2 Suppl 2):7-12. PubMed PMID: 27373127.

441: Rutka JT. Editorial. Classes of evidence in neurosurgery. *J Neurosurg*. 2017 Jun;126(6):1747-1748. doi: 10.3171/2016.4.JNS161067. Epub 2016 Jul 1. PubMed PMID: 27367246.

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

PubMed PMID: 27364252; PubMed Central PMCID: PMC5082740.

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

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

445: Mah W, Sonkusare SK, Wang T, Azeddine B, Pupavac M, Carrot-Zhang J, Hong K, Majewski J, Harvey EJ, Russell L, Chalk C, Rosenblatt DS, Nelson MT, Séguin C. Gain-of-function mutation in TRPV4 identified in patients with osteonecrosis of the femoral head. *J Med Genet.* 2016 Oct;53(10):705-9. doi: 10.1136/jmedgenet-2016-103829. Epub 2016 Jun 21. PubMed PMID: 27330106; PubMed Central PMCID: PMC5035228.

446: Smith TR, Cote DJ, Jane JA Jr, Laws ER Jr. Physiological growth hormone replacement and rate of recurrence of craniopharyngioma: the Genentech National Cooperative Growth Study. *J Neurosurg Pediatr.* 2016 Oct;18(4):408-412. Epub 2016 Jun 10. PubMed PMID: 27286443.

447: Zhang Y, Tan H, Bertram EH, Aubry JF, Lopes MB, Roy J, Dumont E, Xie M, Zuo Z, Klibanov AL, Lee KS, Wintermark M. Non-Invasive, Focal Disconnection of Brain Circuitry Using Magnetic Resonance-Guided Low-Intensity Focused Ultrasound to Deliver a Neurotoxin. *Ultrasound Med Biol.* 2016 Sep;42(9):2261-9. doi: 10.1016/j.ultrasmedbio.2016.04.019. Epub 2016 May 31. PubMed PMID: 27260243.

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

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

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

451: Przybyłowski CJ, Dallapiazza RF, Williams BJ, Pomeranec IJ, Xu Z, Payne SC, Laws ER, Jane JA Jr. Primary versus revision transsphenoidal resection for nonfunctioning pituitary macroadenomas: matched cohort study. *J Neurosurg.* 2017 Mar;126(3):889-896. doi: 10.3171/2016.3.JNS152735. Epub

2016 May 20. PubMed PMID: 27203142.

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

453: Herb JN, Rane S, Isaacs DA, Van Wouwe N, Roman OC, Landman BA, Dawant BM, Hedera P, Zald DH, Neimat JS, Wylie SA, Donahue MJ, Claassen DO. Cortical Implications of Advancing Age and Disease Duration in Parkinson's Disease Patients with Postural Instability and Gait Dysfunction. *J Parkinsons Dis*. 2016 May 5;6(2):441-51. doi: 10.3233/JPD-150753. PubMed PMID: 27164041; PubMed Central PMCID: PMC5826542.

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

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

456: Hentschel KA, Daou B, Chalouhi N, Starke RM, Clark S, Gandhe A, Jabbour P, Rosenwasser R, Tjoumakaris S. Comparison of non-stent retriever and stent retriever mechanical thrombectomy devices for the endovascular treatment of acute ischemic stroke. *J Neurosurg*. 2017 Apr;126(4):1123-1130. doi: 10.3171/2016.2.JNS152086. Epub 2016 Apr 29. PubMed PMID: 27128585.

457: Ding D. Effect of associated aneurysms on the management of intracranial arteriovenous malformations. *Neurol Sci*. 2016 Oct;37(10):1747-8. doi: 10.1007/s10072-016-2591-0. Epub 2016 Apr 26. PubMed PMID: 27115895.

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

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

460: Soroceanu A, Burton DC, Oren JH, Smith JS, Hostin R, Shaffrey CI, Akbarnia BA, Ames CP, Errico TJ, Bess S, Gupta MC, Deviren V, Schwab FJ, Lafage V; International Spine Study Group. Medical Complications After Adult Spinal Deformity Surgery: Incidence, Risk Factors, and Clinical Impact. *Spine*

(Phila Pa 1976). 2016 Nov 15;41(22):1718-1723. PubMed PMID: 27105460.

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

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

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

464: Rutka JT. Editorial: Broca's Area and the promulgation of opinion pieces in the JNSPG journals. *J Neurosurg Pediatr*. 2016 Jul;18(1):125-6. doi: 10.3171/2016.1.PEDS1614. Epub 2016 Apr 15. PubMed PMID: 27082976.

465: Ding D, Starke RM, Kano H, Lee JY, Mathieu D, Pierce J, Huang PP, Feliciano C, Rodriguez-Mercado R, Almodovar L, Grills IS, Silva D, Abbassy M, Missios S, Kondziolka D, Barnett GH, Lunsford LD, Sheehan JP. Stereotactic radiosurgery for Spetzler-Martin Grade III arteriovenous malformations: an international multicenter study. *J Neurosurg*. 2017 Mar;126(3):859-871. doi: 10.3171/2016.1.JNS152564. Epub 2016 Apr 15. PubMed PMID: 27081906.

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

467: Zanaty M, Chalouhi N, Starke RM, Jabbour P, Ryken KO, Bulsara KR, Hasan D. Failure of the Pipeline Embolization Device in Posterior Communicating Artery Aneurysms Associated with a Fetal Posterior Cerebral Artery. *Case Rep Vasc Med*. 2016;2016:4691275. doi: 10.1155/2016/4691275. Epub 2016 Mar 16. PubMed PMID: 27069709; PubMed Central PMCID: PMC4812271.

468: Ding D. Endovascular Management of Intracranial Aneurysms: Advances in Stenting Techniques and Technology. *J Cerebrovasc Endovasc Neurosurg*. 2015 Dec;17(4):331-3. doi: 10.7461/jcen.2015.17.4.331. Epub 2015 Dec 31. PubMed PMID: 27066443; PubMed Central PMCID: PMC4823431.

- 469: Weintraub D, Elias WJ. The emerging role of transcranial magnetic resonance imaging-guided focused ultrasound in functional neurosurgery. *Mov Disord*. 2017 Jan;32(1):20-27. doi: 10.1002/mds.26599. Epub 2016 Apr 8. Review. PubMed PMID: 27062076.
- 470: Aboab J, Celi LA, Charlton P, Feng M, Ghassemi M, Marshall DC, Mayaud L, Naumann T, McCague N, Paik KE, Pollard TJ, Resche-Rigon M, Saliccioli JD, Stone DJ. A "datathon" model to support cross-disciplinary collaboration. *Sci Transl Med*. 2016 Apr 6;8(333):333ps8. doi: 10.1126/scitranslmed.aad9072. Review. PubMed PMID: 27053770; PubMed Central PMCID: PMC5679209.
- 471: Passias PG, Soroceanu A, Yang S, Schwab F, Ames C, Boniello A, Smith J, Shaffrey C, Boachie-Adjei O, Mundis G, Burton D, Klineberg E, Hart R, Hamilton DK, Sciubba DM, Bess S, Lafage V. Predictors of Revision Surgical Procedure Excluding Wound Complications in Adult Spinal Deformity and Impact on Patient-Reported Outcomes and Satisfaction: A Two-Year Follow-up. *J Bone Joint Surg Am*. 2016 Apr 6;98(7):536-43. doi: 10.2106/JBJS.14.01126. PubMed PMID: 27053581.
- 472: Kirmani BF, Robinson DM, Fonkem E, Graf K, Huang JH. Role of Anticonvulsants in the Management of Posttraumatic Epilepsy. *Front Neurol*. 2016 Mar 22;7:32. doi: 10.3389/fneur.2016.00032. eCollection 2016. Review. PubMed PMID: 27047441; PubMed Central PMCID: PMC4801868.
- 473: Dunn LK, Durieux ME, Nemergut EC. Non-opioid analgesics: Novel approaches to perioperative analgesia for major spine surgery. *Best Pract Res Clin Anaesthesiol*. 2016 Mar;30(1):79-89. doi: 10.1016/j.bpa.2015.11.002. Epub 2015 Nov 24. Review. PubMed PMID: 27036605.
- 474: Naik BI. Correcting Quasimodo in the 21st century: Advances in the care for major spine surgery. *Best Pract Res Clin Anaesthesiol*. 2016 Mar;30(1):1-2. doi: 10.1016/j.bpa.2016.01.003. Epub 2016 Jan 18. PubMed PMID: 27036598.
- 475: Rutka JT. Editorial: Neurosurgical Focus: first among equals in online, freely accessible journals. *Neurosurg Focus*. 2016 Apr;40(4):E1. doi: 10.3171/2016.1.FOCUS1615. PubMed PMID: 27032912.
- 476: James RF, Kramer DR, Page PS, Gaughen JR Jr, Martin LB, Mack WJ. Strategic and Technical Considerations for the Endovascular Embolization of Intracranial Meningiomas. *Neurosurg Clin N Am*. 2016 Apr;27(2):155-66. doi: 10.1016/j.nec.2015.11.005. Epub 2016 Feb 18. Review. PubMed PMID: 27012380.
- 477: Cadavid D, Cohen JA, Freedman MS, Goldman MD, Hartung HP, Havrdova E, Jeffery D, Kapoor R, Miller A, Sellebjerg F, Kinch D, Lee S, Shang S, Mikol D. The EDSS-Plus, an improved endpoint for disability progression in secondary progressive multiple sclerosis. *Mult Scler*. 2017 Jan;23(1):94-105. doi: 10.1177/1352458516638941. Epub 2016 Jul 11. PubMed PMID: 27003945.
- 478: Diebo BG, Lafage R, Ames CP, Bess S, Obeid I, Klineberg E, Cunningham ME, Smith JS, Hostin R, Liu S, Passias PG, Schwab FJ, Lafage V; International Spine Study Group. Ratio of lumbar 3-column osteotomy closure: patient-specific deformity characteristics and level of resection impact correction of truncal versus pelvic compensation. *Eur Spine J*. 2016 Aug;25(8):2480-7. doi: 10.1007/s00586-016-4533-1. Epub 2016 Mar 22. PubMed PMID: 27002615.
- 479: Than KD, Curran JN, Resnick DK, Shaffrey CI, Ghogawala Z, Mummaneni PV. How to predict return to work after lumbar discectomy: answers from the NeuroPoint-SD registry. *J Neurosurg Spine*. 2016 Aug;25(2):181-6. doi: 10.3171/2015.10.SPINE15455. Epub 2016 Mar 18. PubMed PMID: 26989977.

- 480: Starke RM, Connolly ES, Komotar RJ. Comprehensive Genomic Analysis of Infiltrative Gliomas Based on Molecular Profile. *Neurosurgery*. 2016 Apr;78(4):N15-6. doi: 10.1227/01.neu.0000481986.14010.df. PubMed PMID: 26986644.
- 481: Passias PG, Klineberg EO, Jalai CM, Worley N, Poorman GW, Line B, Oh C, Burton DC, Kim HJ, Sciubba DM, Hamilton DK, Ames CP, Smith JS, Shaffrey CI, Lafage V, Bess S; International Spine Study Group. Hospital Readmission Within 2 Years Following Adult Thoracolumbar Spinal Deformity Surgery: Prevalence, Predictors, and Effect on Patient-derived Outcome Measures. *Spine (Phila Pa 1976)*. 2016 Sep;41(17):1355-64. doi: 10.1097/BRS.0000000000001552. PubMed PMID: 26967123.
- 482: Starke RM, Kano H, Ding D, Lee JY, Mathieu D, Whitesell J, Pierce JT, Huang PP, Kondziolka D, Yen CP, Feliciano C, Rodriguez-Mercado R, Almodovar L, Pieper DR, Grills IS, Silva D, Abbassy M, Missios S, Barnett GH, Lunsford LD, Sheehan JP. Stereotactic radiosurgery for cerebral arteriovenous malformations: evaluation of long-term outcomes in a multicenter cohort. *J Neurosurg*. 2017 Jan;126(1):36-44. doi: 10.3171/2015.9.JNS151311. Epub 2016 Mar 4. PubMed PMID: 26943847.
- 483: Than KD, Park P, Fu KM, Nguyen S, Wang MY, Chou D, Nunley PD, Anand N, Fessler RG, Shaffrey CI, Bess S, Akbarnia BA, Deviren V, Uribe JS, La Marca F, Kanter AS, Okonkwo DO, Mundis GM Jr, Mummaneni PV; International Spine Study Group. Clinical and radiographic parameters associated with best versus worst clinical outcomes in minimally invasive spinal deformity surgery. *J Neurosurg Spine*. 2016 Jul;25(1):21-5. doi: 10.3171/2015.12.SPINE15999. Epub 2016 Mar 4. PubMed PMID: 26943254.
- 484: Jain A, Lafage V, Kelly MP, Hassanzadeh H, Neuman BJ, Sciubba DM, Bess S, Shaffrey CI, Ames CP, Scheer JK, Burton D, Gupta MC, Hart R, Hostin RA, Kebaish KM; International Spine Study Group. Validity, Reliability, and Responsiveness of SRS-7 as an Outcomes Assessment Instrument for Operatively Treated Patients With Adult Spinal Deformity. *Spine (Phila Pa 1976)*. 2016 Sep 15;41(18):1463-8. doi: 10.1097/BRS.0000000000001540. PubMed PMID: 26937607.
- 485: Smith JS, Klineberg E, Lafage V, Shaffrey CI, Schwab F, Lafage R, Hostin R, Mundis GM Jr, Errico TJ, Kim HJ, Protopsaltis TS, Hamilton DK, Scheer JK, Soroceanu A, Kelly MP, Line B, Gupta M, Deviren V, Hart R, Burton DC, Bess S, Ames CP; International Spine Study Group. Prospective multicenter assessment of perioperative and minimum 2-year postoperative complication rates associated with adult spinal deformity surgery. *J Neurosurg Spine*. 2016 Jul;25(1):1-14. doi: 10.3171/2015.11.SPINE151036. Epub 2016 Feb 26. PubMed PMID: 26918574.
- 486: Hamilton DK, Kanter AS, Bolinger BD, Mundis GM Jr, Nguyen S, Mummaneni PV, Anand N, Fessler RG, Passias PG, Park P, La Marca F, Uribe JS, Wang MY, Akbarnia BA, Shaffrey CI, Okonkwo DO; International Spine Study Group (ISSG). Reoperation rates in minimally invasive, hybrid and open surgical treatment for adult spinal deformity with minimum 2-year follow-up. *Eur Spine J*. 2016 Aug;25(8):2605-11. doi: 10.1007/s00586-016-4443-2. Epub 2016 Feb 24. PubMed PMID: 26909764.
- 487: Jawad MS, Fahim DK, Gerszten PC, Flickinger JC, Sahgal A, Grills IS, Sheehan J, Kersh R, Shin J, Oh K, Mantel F, Guckenberger M; , on behalf of the Elekta Spine Radiosurgery Research Consortium. Vertebral compression fractures after stereotactic body radiation therapy: a large, multi-institutional, multinational evaluation. *J Neurosurg Spine*. 2016 Jun;24(6):928-36. doi: 10.3171/2015.10.SPINE141261. Epub 2016 Feb 19. PubMed PMID: 26895526.
- 488: Daou B, Chalouhi N, Starke RM, Barros G, Ya'qoub L, Do J, Tjoumakaris S, Rosenwasser RH, Jabbour P. Clipping of previously coiled cerebral aneurysms: efficacy, safety, and predictors in a cohort of 111 patients. *J Neurosurg*. 2016 Dec;125(6):1337-1343. Epub 2016 Feb 19. PubMed PMID: 26894462.

- 489: Rutka JT. Editorial: The Rhoton Collection and the Journal of Neurosurgery: expanding the reach of neuroanatomy in the digital print world. *J Neurosurg.* 2016 Jul;125(1):4-6. doi: 10.3171/2015.12.JNS152878. Epub 2016 Feb 16. PubMed PMID: 26880351.
- 490: Monteith S, Snell J, Eames M, Kassell NF, Kelly E, Gwinn R. Transcranial magnetic resonance-guided focused ultrasound for temporal lobe epilepsy: a laboratory feasibility study. *J Neurosurg.* 2016 Dec;125(6):1557-1564. Epub 2016 Feb 12. PubMed PMID: 26871207.
- 491: Oermann EK, Rubinsteyn A, Ding D, Mascitelli J, Starke RM, Bederson JB, Kano H, Lunsford LD, Sheehan JP, Hammerbacher J, Kondziolka D. Using a Machine Learning Approach to Predict Outcomes after Radiosurgery for Cerebral Arteriovenous Malformations. *Sci Rep.* 2016 Feb 9;6:21161. doi: 10.1038/srep21161. PubMed PMID: 26856372; PubMed Central PMCID: PMC4746661.
- 492: Mehta GU, Feldman MJ, Wang H, Ding D, Chittiboina P. Unilateral vestibular schwannoma in a patient with schwannomatosis in the absence of LZTR1 mutation. *J Neurosurg.* 2016 Dec;125(6):1469-1471. Epub 2016 Feb 5. PubMed PMID: 26848914; PubMed Central PMCID: PMC5088062.
- 493: Lan Q, Wang A, Cheng Y, Mukasa A, Ma J, Hong L, Yu S, Sun L, Huang Q, Purow B, Li M. Guanylate binding protein-1 mediates EGFRvIII and promotes glioblastoma growth in vivo but not in vitro. *Oncotarget.* 2016 Mar 1;7(9):9680-91. doi: 10.18632/oncotarget.7109. PubMed PMID: 26848767; PubMed Central PMCID: PMC4891076.
- 494: Kasliwal MK, Shimer AL. Transradicular lumbar disc herniation: An extreme variant of intradiscal disc herniation. *Indian J Orthop.* 2015 Nov-Dec;49(6):672-5. doi: 10.4103/0019-5413.168770. PubMed PMID: 26806977; PubMed Central PMCID: PMC4705736.
- 495: Klionsky DJ, Abdelmohsen K, Abe A, Abedin MJ, Abeliovich H, Acevedo Arozena A, Adachi H, Adams CM, Adams PD, Adeli K, Adhihetty PJ, Adler SG, Agam G, Agarwal R, Aghi MK, Agnello M, Agostinis P, Aguilar PV, Aguirre-Ghiso J, Airolidi EM, Ait-Si-Ali S, Akematsu T, Akporiaye ET, Al-Rubeai M, Albaiceta GM, Albanese C, Albani D, Albert ML, Aldudo J, Algül H, Alirezaei M, Alloza I, Almasan A, Almonte-Beceril M, Alnemri ES, Alonso C, Altan-Bonnet N, Altieri DC, Alvarez S, Alvarez-Erviti L, Alves S, Amadoro G, Amano A, Amantini C, Ambrosio S, Amelio I, Amer AO, Amessou M, Amon A, An Z, Anania FA, Andersen SU, Andley UP, Andreadi CK, Andrieu-Abadie N, Anel A, Ann DK, Anoopkumar-Dukie S, Antonioli M, Aoki H, Apostolova N, Aquila S, Aquilano K, Araki K, Arama E, Aranda A, Araya J, Arcaro A, Arias E, Arimoto H, Ariosia AR, Armstrong JL, Arnould T, Arsov I, Asanuma K, Askanas V, Asselin E, Atarashi R, Atherton SS, Atkin JD, Attardi LD, Auburger P, Auburger G, Aurelian L, Autelli R, Avagliano L, Avantaggiati ML, Avrahami L, Awale S, Azad N, Bachetti T, Backer JM, Bae DH, Bae JS, Bae ON, Bae SH, Baehrecke EH, Baek SH, Baghdiguian S, Bagniewska-Zadworna A, Bai H, Bai J, Bai XY, Bailly Y, Balaji KN, Balduini W, Ballabio A, Balzan R, Banerjee R, Bánhegyi G, Bao H, Barbeau B, Barrachina MD, Barreiro E, Bartel B, Bartolomé A, Bassham DC, Bassi MT, Bast RC Jr, Basu A, Batista MT, Batoko H, Battino M, Bauckman K, Baumgarner BL, Bayer KU, Beale R, Beaulieu JF, Beck GR Jr, Becker C, Beckham JD, Bédard PA, Bednarski PJ, Begley TJ, Behl C, Behrends C, Behrens GM, Behrns KE, Bejarano E, Belaid A, Belleudi F, Bénard G, Berchem G, Bergamaschi D, Bergami M, Berkhout B, Berliocchi L, Bernard A, Bernard M, Bernassola F, Bertolotti A, Bess AS, Besteiro S, Bettuzzi S, Bhalla S, Bhattacharyya S, Bhutia SK, Biagosch C, Bianchi MW, Biard-Piechaczyk M, Billes V, Bincoletto C, Bingol B, Bird SW, Bitoun M, Bjedov I, Blackstone C, Blanc L, Blanco GA, Blomhoff HK, Boada-Romero E, Böckler S, Boes M, Boesze-Battaglia K, Boise LH, Bolino A, Boman A, Bonaldo P, Bordi M, Bosch J, Botana LM, Botti J, Bou G, Bouché M, Bouchecareilh M, Boucher MJ, Boulton ME, Bouret SG, Boya P, Boyer-Guittaut M, Bozhkov PV, Brady N, Braga VM, Brancolini C, Braus GH, Bravo-San Pedro JM, Brennan LA, Bresnick EH, Brest P, Bridges D, Bringer MA, Brini M, Brito GC, Brodin B, Brookes PS, Brown EJ, Brown K, Broxmeyer HE, Bruhat A, Brum PC, Brumell JH, Brunetti-Pierri N, Bryson-

Richardson RJ, Buch S, Buchan AM, Budak H, Bulavin DV, Bultman SJ, Bultynck G, Bumbasirevic V, Burelle Y, Burke RE, Burmeister M, Bütikofer P, Caberlotto L, Cadwell K, Cahova M, Cai D, Cai J, Cai Q, Calatayud S, Camougrand N, Campanella M, Campbell GR, Campbell M, Campello S, Candau R, Caniggia I, Cantoni L, Cao L, Caplan AB, Caraglia M, Cardinali C, Cardoso SM, Carew JS, Carleton LA, Carlin CR, Carloni S, Carlsson SR, Carmona-Gutierrez D, Carneiro LA, Carnevali O, Carra S, Carrier A, Carroll B, Casas C, Casas J, Cassinelli G, Castets P, Castro-Obregon S, Cavallini G, Ceccherini I, Cecconi F, Cederbaum AI, Ceña V, Cenci S, Cerella C, Cervia D, Cetrullo S, Chaachouay H, Chae HJ, Chagin AS, Chai CY, Chakrabarti G, Chamilos G, Chan EY, Chan MT, Chandra D, Chandra P, Chang CP, Chang RC, Chang TY, Chatham JC, Chatterjee S, Chauhan S, Che Y, Cheetham ME, Cheluvappa R, Chen CJ, Chen G, Chen GC, Chen G, Chen H, Chen JW, Chen JK, Chen M, Chen M, Chen P, Chen Q, Chen Q, Chen SD, Chen S, Chen SS, Chen W, Chen WJ, Chen WQ, Chen W, Chen X, Chen YH, Chen YG, Chen Y, Chen Y, Chen Y, Chen YJ, Chen YQ, Chen Y, Chen Z, Chen Z, Cheng A, Cheng CH, Cheng H, Cheong H, Cherry S, Chesney J, Cheung CH, Chevet E, Chi HC, Chi SG, Chiacchiera F, Chiang HL, Chiarelli R, Chiariello M, Chieppa M, Chin LS, Chiong M, Chiu GN, Cho DH, Cho SG, Cho WC, Cho YY, Cho YS, Choi AM, Choi EJ, Choi EK, Choi J, Choi ME, Choi SI, Chou TF, Chouaib S, Choubey D, Choubey V, Chow KC, Chowdhury K, Chu CT, Chuang TH, Chun T, Chung H, Chung T, Chung YL, Chwae YJ, Cianfanelli V, Ciarcia R, Ciechomska IA, Ciriolo MR, Cirone M, Claerhout S, Clague MJ, Clària J, Clarke PG, Clarke R, Clementi E, Cleyrat C, Cnop M, Coccia EM, Cocco T, Codogno P, Coers J, Cohen EE, Colecchia D, Coletto L, Coll NS, Colucci-Guyon E, Comincini S, Condello M, Cook KL, Coombs GH, Cooper CD, Cooper JM, Coppens I, Corasaniti MT, Corazzari M, Corbalan R, Corcelle-Termeau E, Cordero MD, Corral-Ramos C, Corti O, Cossarizza A, Costelli P, Costes S, Cotman SL, Coto-Montes A, Cottet S, Couve E, Covey LR, Cowart LA, Cox JS, Coxon FP, Coyne CB, Cragg MS, Craven RJ, Crepaldi T, Crespo JL, Criollo A, Crippa V, Cruz MT, Cuervo AM, Cuezva JM, Cui T, Cutillas PR, Czaja MJ, Czyzyk-Krzeska MF, Dagda RK, Dahmen U, Dai C, Dai W, Dai Y, Dalby KN, Dalla Valle L, Dalmasso G, D'Amelio M, Damme M, Darfeuille-Michaud A, Dargemont C, Darley-Usmar VM, Dasarathy S, Dasgupta B, Dash S, Dass CR, Davey HM, Davids LM, Dávila D, Davis RJ, Dawson TM, Dawson VL, Daza P, de Belleruche J, de Figueiredo P, de Figueiredo RC, de la Fuente J, De Martino L, De Matteis A, De Meyer GR, De Milito A, De Santi M, de Souza W, De Tata V, De Zio D, Debnath J, Dechant R, Decuypere JP, Deegan S, Dehay B, Del Bello B, Del Re DP, Delage-Mourroux R, Delbridge LM, Deldicque L, Delorme-Axford E, Deng Y, Dengjel J, Denizot M, Dent P, Der CJ, Deretic V, Derrien B, Deutsch E, Devarenne TP, Devenish RJ, Di Bartolomeo S, Di Daniele N, Di Domenico F, Di Nardo A, Di Paola S, Di Pietro A, Di Renzo L, DiAntonio A, Díaz-Araya G, Díaz-Laviada I, Diaz-Meco MT, Diaz-Nido J, Dickey CA, Dickson RC, Diederich M, Digard P, Dikic I, Dinesh-Kumar SP, Ding C, Ding WX, Ding Z, Dini L, Distler JH, Diwan A, Djavaheri-Mergny M, Dmytruk K, Dobson RC, Doetsch V, Dokladny K, Dokudovskaya S, Donadelli M, Dong XC, Dong X, Dong Z, Donohue TM Jr, Doran KS, D'Orazi G, Dorn GW 2nd, Dosenko V, Dridi S, Drucker L, Du J, Du LL, Du L, du Toit A, Dua P, Duan L, Duann P, Dubey VK, Duchon MR, Duchosal MA, Duez H, Dugail I, Dumit VI, Duncan MC, Dunlop EA, Dunn WA Jr, Dupont N, Dupuis L, Durán RV, Durcan TM, Duvezin-Caubet S, Duvvuri U, Eapen V, Ebrahimi-Fakhari D, Echard A, Eckhart L, Edelstein CL, Edinger AL, Eichinger L, Eisenberg T, Eisenberg-Lerner A, Eissa NT, El-Deiry WS, El-Khoury V, Elazar Z, Eldar-Finkelman H, Elliott CJ, Emanuele E, Emmenegger U, Engedal N, Engelbrecht AM, Engelender S, Enserink JM, Erdmann R, Erenpreisa J, Eri R, Eriksen JL, Erman A, Escalante R, Eskelinen EL, Espert L, Esteban-Martínez L, Evans TJ, Fabri M, Fabrias G, Fabrizi C, Facchiano A, Færgeman NJ, Faggioni A, Fairlie WD, Fan C, Fan D, Fan J, Fang S, Fanto M, Fanzani A, Farkas T, Faure M, Favier FB, Fearnhead H, Federici M, Fei E, Felizardo TC, Feng H, Feng Y, Feng Y, Ferguson TA, Fernández ÁF, Fernandez-Barrena MG, Fernandez-Checa JC, Fernández-López A, Fernandez-Zapico ME, Feron O, Ferraro E, Ferreira-Halder CV, Fesus L, Feuer R, Fiesel FC, Filippi-Chiela EC, Filomeni G, Fimia GM, Fingert JH, Finkbeiner S, Finkel T, Fiorito F, Fisher PB, Flajolet M, Flamigni F, Florey O, Florio S, Floto RA, Folini M, Follo C, Fon EA, Fornai F, Fortunato F, Fraldi A, Franco R, Francois A, François A, Frankel LB, Fraser ID, Frey N, Freyssenet DG, Frezza C, Friedman SL, Frigo DE, Fu D, Fuentes JM, Fueyo J, Fujitani Y, Fujiwara Y, Fujiya M, Fukuda M, Fulda S, Fusco C, Gabryel B, Gaestel M, Gailly P, Gajewska M, Galadari S, Galili G, Galindo I, Galindo MF, Galliciotti G, Galluzzi L, Galluzzi L, Galy V, Gammoh N, Gandy S, Ganesan AK,

Ganesan S, Ganley IG, Gannagé M, Gao FB, Gao F, Gao JX, García Nannig L, García Vescovi E, Garcia-Macia M, Garcia-Ruiz C, Garg AD, Garg PK, Gargini R, Gassen NC, Gatica D, Gatti E, Gavard J, Gavathiotis E, Ge L, Ge P, Ge S, Gean PW, Gelmetti V, Genazzani AA, Geng J, Genschik P, Gerner L, Gestwicki JE, Gewirtz DA, Ghavami S, Ghigo E, Ghosh D, Giammarioli AM, Giampieri F, Giampietri C, Giatromanolaki A, Gibbings DJ, Gibellini L, Gibson SB, Ginet V, Giordano A, Giorgini F, Giovannetti E, Girardin SE, Gispert S, Giuliano S, Gladson CL, Glavic A, Gleave M, Godefroy N, Gogal RM Jr, Gokulan K, Goldman GH, Goletti D, Goligorsky MS, Gomes AV, Gomes LC, Gomez H, Gomez-Manzano C, Gómez-Sánchez R, Gonçalves DA, Goncu E, Gong Q, Gongora C, Gonzalez CB, Gonzalez-Alegre P, Gonzalez-Cabo P, González-Polo RA, Goping IS, Gorbea C, Gorbunov NV, Goring DR, Gorman AM, Gorski SM, Goruppi S, Goto-Yamada S, Gotor C, Gottlieb RA, Gozes I, Gozuacik D, Graba Y, Graef M, Granato GE, Grant GD, Grant S, Gravina GL, Green DR, Greenhough A, Greenwood MT, Grimaldi B, Gros F, Grose C, Groulx JF, Gruber F, Grumati P, Grune T, Guan JL, Guan KL, Guerra B, Guillen C, Gulshan K, Gunst J, Guo C, Guo L, Guo M, Guo W, Guo XG, Gust AA, Gustafsson ÅB, Gutierrez E, Gutierrez MG, Gwak HS, Haas A, Haber JE, Hadano S, Hagedorn M, Hahn DR, Halayko AJ, Hamacher-Brady A, Hamada K, Hamai A, Hamann A, Hamasaki M, Hamer I, Hamid Q, Hammond EM, Han F, Han W, Handa JT, Hanover JA, Hansen M, Harada M, Harhaji-Trajkovic L, Harper JW, Harrath AH, Harris AL, Harris J, Hasler U, Hasselblatt P, Hasui K, Hawley RG, Hawley TS, He C, He CY, He F, He G, He RR, He XH, He YW, He YY, Heath JK, Hébert MJ, Heinzen RA, Helgason GV, Hensel M, Henske EP, Her C, Herman PK, Hernández A, Hernandez C, Hernández-Tiedra S, Hetz C, Hiesinger PR, Higaki K, Hilfiker S, Hill BG, Hill JA, Hill WD, Hino K, Hofius D, Hofman P, Höglinger GU, Höhfeld J, Holz MK, Hong Y, Hood DA, Hoozemans JJ, Hoppe T, Hsu C, Hsu CY, Hsu LC, Hu D, Hu G, Hu HM, Hu H, Hu MC, Hu YC, Hu ZW, Hua F, Hua Y, Huang C, Huang HL, Huang KH, Huang KY, Huang S, Huang S, Huang WP, Huang YR, Huang Y, Huang Y, Huber TB, Huebbe P, Huh WK, Hulmi JJ, Hur GM, Hurley JH, Husak Z, Hussain SN, Hussain S, Hwang JJ, Hwang S, Hwang TI, Ichihara A, Imai Y, Imbriano C, Inomata M, Into T, Iovane V, Iovanna JL, Iozzo RV, Ip NY, Irazoqui JE, Iribarren P, Isaka Y, Isakovic AJ, Ischiropoulos H, Isenberg JS, Ishaq M, Ishida H, Ishii I, Ishmael JE, Isidoro C, Isobe K, Isono E, Issazadeh-Navikas S, Itahana K, Itakura E, Ivanov AI, Iyer AK, Izquierdo JM, Izumi Y, Izzo V, Jäätelä M, Jaber N, Jackson DJ, Jackson WT, Jacob TG, Jacques TS, Jagannath C, Jain A, Jana NR, Jang BK, Jani A, Janji B, Jannig PR, Jansson PJ, Jean S, Jendrach M, Jeon JH, Jessen N, Jeung EB, Jia K, Jia L, Jiang H, Jiang H, Jiang L, Jiang T, Jiang X, Jiang X, Jiang X, Jiang Y, Jiang Y, Jiménez A, Jin C, Jin H, Jin L, Jin M, Jin S, Jinwal UK, Jo EK, Johansen T, Johnson DE, Johnson GV, Johnson JD, Jonasch E, Jones C, Joosten LA, Jordan J, Joseph AM, Joseph B, Joubert AM, Ju D, Ju J, Juan HF, Juenemann K, Juhász G, Jung HS, Jung JU, Jung YK, Jungbluth H, Justice MJ, Jutten B, Kaakoush NO, Kaarniranta K, Kaasik A, Kabuta T, Kaeffer B, Kågedal K, Kahana A, Kajimura S, Kakhlon O, Kalia M, Kalvakolanu DV, Kamada Y, Kambas K, Kaminsky VO, Kampinga HH, Kandouz M, Kang C, Kang R, Kang TC, Kanki T, Kanneganti TD, Kanno H, Kanthasamy AG, Kantorow M, Kaparakis-Liaskos M, Kapuy O, Karantza V, Karim MR, Karmakar P, Kaser A, Kaushik S, Kawula T, Kaynar AM, Ke PY, Ke ZJ, Kehrl JH, Keller KE, Kemper JK, Kenworthy AK, Kepp O, Kern A, Kesari S, Kessel D, Ketteler R, Kettelhut Ido C, Khambu B, Khan MM, Khandelwal VK, Khare S, Kiang JG, Kiger AA, Kihara A, Kim AL, Kim CH, Kim DR, Kim DH, Kim EK, Kim HY, Kim HR, Kim JS, Kim JH, Kim JC, Kim JH, Kim KW, Kim MD, Kim MM, Kim PK, Kim SW, Kim SY, Kim YS, Kim Y, Kimchi A, Kimmelman AC, Kimura T, King JS, Kirkegaard K, Kirkin V, Kirshenbaum LA, Kishi S, Kitajima Y, Kitamoto K, Kitaoka Y, Kitazato K, Kley RA, Klimecki WT, Klinkenberg M, Klucken J, Knævelsrud H, Knecht E, Knuppertz L, Ko JL, Kobayashi S, Koch JC, Koechlin-Ramonatxo C, Koenig U, Koh YH, Köhler K, Kohlwein SD, Koike M, Komatsu M, Kominami E, Kong D, Kong HJ, Konstantakou EG, Kopp BT, Korcsmaros T, Korhonen L, Korolchuk VI, Koshkina NV, Kou Y, Koukourakis MI, Koumenis C, Kovács AL, Kovács T, Kovacs WJ, Koya D, Kraft C, Krainc D, Kramer H, Kravic-Stevovic T, Krek W, Kretz-Remy C, Krick R, Krishnamurthy M, Kriston-Vizi J, Kroemer G, Kruer MC, Kruger R, Ktistakis NT, Kuchitsu K, Kuhn C, Kumar AP, Kumar A, Kumar A, Kumar D, Kumar D, Kumar R, Kumar S, Kundu M, Kung HJ, Kuno A, Kuo SH, Kuret J, Kurz T, Kwok T, Kwon TK, Kwon YT, Kyrmizi I, La Spada AR, Lafont F, Lahm T, Lakkaraju A, Lam T, Lamark T, Lancel S, Landowski TH, Lane DJ, Lane JD, Lanzi C, Lapaquette P, Lapierre LR, Laporte J, Laukkanen J, Laurie GW, Lavandero S, Lavie L, LaVoie MJ, Law BY, Law HK, Law KB, Layfield R, Lazo PA, Le Cam L, Le Roch KG,

Le Stunff H, Leardkamolkarn V, Lecuit M, Lee BH, Lee CH, Lee EF, Lee GM, Lee HJ, Lee H, Lee JK, Lee J, Lee JH, Lee JH, Lee M, Lee MS, Lee PJ, Lee SW, Lee SJ, Lee SJ, Lee SY, Lee SH, Lee SS, Lee SJ, Lee S, Lee YR, Lee YJ, Lee YH, Leeuwenburgh C, Lefort S, Legouis R, Lei J, Lei QY, Leib DA, Leibowitz G, Lekli I, Lemaire SD, Lemasters JJ, Lemberg MK, Lemoine A, Leng S, Lenz G, Lenzi P, Lerman LO, Lettieri Barbato D, Leu JI, Leung HY, Levine B, Lewis PA, Lezoualc'h F, Li C, Li F, Li FJ, Li J, Li K, Li L, Li M, Li M, Li Q, Li R, Li S, Li W, Li W, Li X, Li Y, Lian J, Liang C, Liang Q, Liao Y, Liberal J, Liberski PP, Lie P, Lieberman AP, Lim HJ, Lim KL, Lim K, Lima RT, Lin CS, Lin CF, Lin F, Lin F, Lin FC, Lin K, Lin KH, Lin PH, Lin T, Lin WW, Lin YS, Lin Y, Linden R, Lindholm D, Lindqvist LM, Lingor P, Linkermann A, Liotta LA, Lipinski MM, Lira VA, Lisanti MP, Liton PB, Liu B, Liu C, Liu CF, Liu F, Liu HJ, Liu J, Liu JJ, Liu JL, Liu K, Liu L, Liu L, Liu Q, Liu RY, Liu S, Liu S, Liu W, Liu XD, Liu X, Liu XH, Liu X, Liu X, Liu X, Liu Y, Liu Y, Liu Z, Liu Z, Liuzzi JP, Lizard G, Ljubic M, Lodhi IJ, Logue SE, Lokeshwar BL, Long YC, Lonial S, Loos B, López-Otín C, López-Vicario C, Lorente M, Lorenzi PL, Lőrincz P, Los M, Lotze MT, Lovat PE, Lu B, Lu B, Lu J, Lu Q, Lu SM, Lu S, Lu Y, Luciano F, Luckhart S, Lucocq JM, Ludovico P, Lugea A, Lukacs NW, Lum JJ, Lund AH, Luo H, Luo J, Luo S, Luparello C, Lyons T, Ma J, Ma Y, Ma Y, Ma Z, Machado J, Machado-Santelli GM, Macian F, MacIntosh GC, MacKeigan JP, Macleod KF, MacMicking JD, MacMillan-Crow LA, Madeo F, Madesh M, Madrigal-Matute J, Maeda A, Maeda T, Maegawa G, Maellaro E, Maes H, Magariños M, Maiese K, Maiti TK, Maiuri L, Maiuri MC, Maki CG, Malli R, Malorni W, Maloyan A, Mami-Chouaib F, Man N, Mancias JD, Mandelkow EM, Mandell MA, Manfredi AA, Manié SN, Manzoni C, Mao K, Mao Z, Mao ZW, Marambaud P, Marconi AM, Marelja Z, Marfe G, Margeta M, Margittai E, Mari M, Mariani FV, Marin C, Marinelli S, Mariño G, Markovic I, Marquez R, Martelli AM, Martens S, Martin KR, Martin SJ, Martin S, Martin-Acebes MA, Martín-Sanz P, Martinand-Mari C, Martinet W, Martinez J, Martinez-Lopez N, Martinez-Outschoorn U, Martínez-Velázquez M, Martinez-Vicente M, Martins WK, Mashima H, Mastrianni JA, Matarese G, Matarrese P, Mateo R, Matoba S, Matsumoto N, Matsushita T, Matsuura A, Matsuzawa T, Mattson MP, Matus S, Maugeri N, Mauvezin C, Mayer A, Maysinger D, Mazzolini GD, McBrayer MK, McCall K, McCormick C, McInerney GM, McIver SC, McKenna S, McMahon JJ, McNeish IA, Mehta-Grigoriou F, Medema JP, Medina DL, Megyeri K, Mehrpour M, Mehta JL, Mei Y, Meier UC, Meijer AJ, Meléndez A, Melino G, Melino S, de Melo EJ, Mena MA, Meneghini MD, Menendez JA, Menezes R, Meng L, Meng LH, Meng S, Menghini R, Menko AS, Menna-Barreto RF, Menon MB, Meraz-Ríos MA, Merla G, Merlini L, Merlot AM, Meryk A, Meschini S, Meyer JN, Mi MT, Miao CY, Micale L, Michaeli S, Michiels C, Migliaccio AR, Mihailidou AS, Mijaljica D, Mikoshiba K, Milan E, Miller-Fleming L, Mills GB, Mills IG, Minakaki G, Minassian BA, Ming XF, Minibayeva F, Minina EA, Mintern JD, Minucci S, Miranda-Vizuete A, Mitchell CH, Miyamoto S, Miyazawa K, Mizushima N, Mnich K, Mograbi B, Mohseni S, Moita LF, Molinari M, Molinari M, Møller AB, Mollereau B, Mollinedo F, Mongillo M, Monick MM, Montagnaro S, Montell C, Moore DJ, Moore MN, Mora-Rodriguez R, Moreira PI, Morel E, Morelli MB, Moreno S, Morgan MJ, Moris A, Moriyasu Y, Morrison JL, Morrison LA, Morselli E, Moscat J, Moseley PL, Mostowy S, Motori E, Mottet D, Mottram JC, Moussa CE, Mpakou VE, Mukhtar H, Mulcahy Levy JM, Muller S, Muñoz-Moreno R, Muñoz-Pinedo C, Münz C, Murphy ME, Murray JT, Murthy A, Mysorekar IU, Nabi IR, Nabissi M, Nader GA, Nagahara Y, Nagai Y, Nagata K, Nagelkerke A, Nagy P, Naidu SR, Nair S, Nakano H, Nakatogawa H, Nanjundan M, Napolitano G, Naqvi NI, Nardacci R, Narendra DP, Narita M, Nascimbeni AC, Natarajan R, Navegantes LC, Nawrocki ST, Nazarko TY, Nazarko VY, Neill T, Neri LM, Netea MG, Netea-Maier RT, Neves BM, Ney PA, Nezis IP, Nguyen HT, Nguyen HP, Nicot AS, Nilsen H, Nilsson P, Nishimura M, Nishino I, Niso-Santano M, Niu H, Nixon RA, Njar VC, Noda T, Noegel AA, Nolte EM, Norberg E, Norga KK, Noureini SK, Notomi S, Notterpek L, Nowikovsky K, Nukina N, Nürnberger T, O'Donnell VB, O'Donovan T, O'Dwyer PJ, Oehme I, Oeste CL, Ogawa M, Ogretmen B, Ogura Y, Oh YJ, Ohmuraya M, Ohshima T, Ojha R, Okamoto K, Okazaki T, Oliver FJ, Ollinger K, Olsson S, Orban DP, Ordonez P, Orhon I, Orosz L, O'Rourke EJ, Orozco H, Ortega AL, Ortona E, Osellame LD, Oshima J, Oshima S, Osiewacz HD, Otomo T, Otsu K, Ou JH, Outeiro TF, Ouyang DY, Ouyang H, Overholtzer M, Ozbun MA, Ozdinler PH, Ozpolat B, Pacelli C, Paganetti P, Page G, Pages G, Pagnini U, Pajak B, Pak SC, Pakos-Zebrucka K, Pakpour N, Palková Z, Palladino F, Pallauf K, Pallet N, Palmieri M, Paludan SR, Palumbo C, Palumbo S, Pampliega O, Pan H, Pan W, Panaretakis T, Pandey A, Pantazopoulou A, Papackova Z, Papademetrio DL, Papassideri I, Papini A, Parajuli N, Pardo J, Parekh VV, Parenti G, Park

Jl, Park J, Park OK, Parker R, Parlato R, Parys JB, Parzych KR, Pasquet JM, Pasquier B, Pasumarthi KB, Patschan D, Patterson C, Pattingre S, Pattison S, Pause A, Pavenstädt H, Pavone F, Pedrozo Z, Peña FJ, Peñalva MA, Pende M, Peng J, Penna F, Penninger JM, Pensalfini A, Pepe S, Pereira GJ, Pereira PC, Pérez-de la Cruz V, Pérez-Pérez ME, Pérez-Rodríguez D, Pérez-Sala D, Perier C, Perl A, Perlmutter DH, Perrotta I, Pervaiz S, Pesonen M, Pessin JE, Peters GJ, Petersen M, Petrache I, Petrof BJ, Petrovski G, Phang JM, Piacentini M, Pierdominici M, Pierre P, Pierrefite-Carle V, Pietrocola F, Pimentel-Muiños FX, Pinar M, Pineda B, Pinkas-Kramarski R, Pinti M, Pinton P, Piperdi B, Piret JM, Platanias LC, Platta HW, Plowey ED, Pöggeler S, Poirot M, Polčic P, Poletti A, Poon AH, Popelka H, Popova B, Poprawa I, Poulouse SM, Poulton J, Powers SK, Powers T, Pozuelo-Rubio M, Prak K, Prange R, Prescott M, Priault M, Prince S, Proia RL, Proikas-Cezanne T, Prokisch H, Promponas VJ, Przyklenk K, Puertollano R, Pugazhenth S, Puglielli L, Pujol A, Puyal J, Pyeon D, Qi X, Qian WB, Qin ZH, Qiu Y, Qu Z, Cuadrilatero J, Quinn F, Raben N, Rabinowich H, Radogna F, Ragusa MJ, Rahmani M, Raina K, Ramanadham S, Ramesh R, Rami A, Randall-Demillo S, Randow F, Rao H, Rao VA, Rasmussen BB, Rasse TM, Ratovitski EA, Rautou PE, Ray SK, Razani B, Reed BH, Reggiori F, Rehm M, Reichert AS, Rein T, Reiner DJ, Reits E, Ren J, Ren X, Renna M, Reusch JE, Revuelta JL, Reyes L, Rezaie AR, Richards RI, Richardson DR, Richetta C, Riehle MA, Rihn BH, Rikihisa Y, Riley BE, Rimbach G, Rippo MR, Ritis K, Rizzi F, Rizzo E, Roach PJ, Robbins J, Roberge M, Roca G, Roccheri MC, Rocha S, Rodrigues CM, Rodríguez CI, de Cordoba SR, Rodriguez-Muela N, Roelofs J, Rogov VV, Rohn TT, Rohrer B, Romanelli D, Romani L, Romano PS, Roncero MI, Rosa JL, Rosello A, Rosen KV, Rosenstiel P, Rost-Roszkowska M, Roth KA, Roué G, Rouis M, Rouschop KM, Ruan DT, Ruano D, Rubinsztein DC, Rucker EB 3rd, Rudich A, Rudolf E, Rudolf R, Ruegg MA, Ruiz-Roldan C, Ruparelía AA, Rusmini P, Russ DW, Russo GL, Russo G, Russo R, Rusten TE, Ryabovol V, Ryan KM, Ryter SW, Sabatini DM, Sacher M, Sachse C, Sack MN, Sadoshima J, Saftig P, Sagi-Eisenberg R, Sahni S, Saikumar P, Saito T, Saitoh T, Sakakura K, Sakoh-Nakatogawa M, Sakuraba Y, Salazar-Roa M, Salomoni P, Saluja AK, Salvaterra PM, Salvioli R, Samali A, Sanchez AM, Sánchez-Alcázar JA, Sanchez-Prieto R, Sandri M, Sanjuan MA, Santaguida S, Santambrogio L, Santoni G, Dos Santos CN, Saran S, Sardiello M, Sargent G, Sarkar P, Sarkar S, Sarrias MR, Sarwal MM, Sasakawa C, Sasaki M, Sass M, Sato K, Sato M, Satriano J, Savaraj N, Saveljeva S, Schaefer L, Schaible UE, Scharl M, Schatzl HM, Schekman R, Scheper W, Schiavi A, Schipper HM, Schmeisser H, Schmidt J, Schmitz I, Schneider BE, Schneider EM, Schneider JL, Schon EA, Schönerberger MJ, Schönthal AH, Schorderet DF, Schröder B, Schuck S, Schulze RJ, Schwarten M, Schwarz TL, Sciarretta S, Scotto K, Scovassi AI, Screatton RA, Screen M, Seca H, Sedej S, Segatori L, Segev N, Seglen PO, Seguí-Simarro JM, Segura-Aguilar J, Seki E, Sell C, Seilliez I, Semenkovich CF, Semenza GL, Sen U, Serra AL, Serrano-Puebla A, Sesaki H, Setoguchi T, Settembre C, Shacka JJ, Shajahan-Haq AN, Shapiro IM, Sharma S, She H, Shen CK, Shen CC, Shen HM, Shen S, Shen W, Sheng R, Sheng X, Sheng ZH, Shepherd TG, Shi J, Shi Q, Shi Q, Shi Y, Shibutani S, Shibuya K, Shidoji Y, Shieh JJ, Shih CM, Shimada Y, Shimizu S, Shin DW, Shinohara ML, Shintani M, Shintani T, Shioi T, Shirabe K, Shiri-Sverdllov R, Shirihai O, Shore GC, Shu CW, Shukla D, Sibirny AA, Sica V, Sigurdson CJ, Sigurdsson EM, Sijwali PS, Sikorska B, Silveira WA, Silvente-Poirot S, Silverman GA, Simak J, Simmet T, Simon AK, Simon HU, Simone C, Simons M, Simonsen A, Singh R, Singh SV, Singh SK, Sinha D, Sinha S, Sinicrope FA, Sirko A, Sirohi K, Sishi BJ, Sittler A, Siu PM, Sivridis E, Skwarska A, Slack R, Slaninová I, Slavov N, Smaili SS, Smalley KS, Smith DR, Soenen SJ, Soleimanpour SA, Solhaug A, Somasundaram K, Son JH, Sonawane A, Song C, Song F, Song HK, Song JX, Song W, Soo KY, Sood AK, Soong TW, Soontornniyomkij V, Sorice M, Sotgia F, Soto-Pantoja DR, Sotthibundhu A, Sousa MJ, Spaink HP, Span PN, Spang A, Sparks JD, Speck PG, Spector SA, Spies CD, Springer W, Clair DS, Stacchiotti A, Staels B, Stang MT, Starczynowski DT, Starokadomskyy P, Steegborn C, Steele JW, Stefanis L, Steffan J, Stellrecht CM, Stenmark H, Stepkowski TM, Stern ST, Stevens C, Stockwell BR, Stoka V, Storchova Z, Stork B, Stratoulías V, Stravopodis DJ, Strnad P, Strohecker AM, Ström AL, Stromhaug P, Stulik J, Su YX, Su Z, Subauste CS, Subramaniam S, Sue CM, Suh SW, Sui X, Sukserree S, Sulzer D, Sun FL, Sun J, Sun J, Sun SY, Sun Y, Sun Y, Sun Y, Sundaramoorthy V, Sung J, Suzuki H, Suzuki K, Suzuki N, Suzuki T, Suzuki YJ, Swanson MS, Swanton C, Sward K, Swarup G, Sweeney ST, Sylvester PW, Szatmari Z, Szegezdi E, Szlosarek PW, Taegtmeyer H, Tafani M, Taillebourg E, Tait SW, Takacs-Vellai K, Takahashi Y, Takáts S, Takemura G, Takigawa N, Talbot NJ, Tamagno E, Tamburini J,

Tan CP, Tan L, Tan ML, Tan M, Tan YJ, Tanaka K, Tanaka M, Tang D, Tang D, Tang G, Tanida I, Tanji K, Tannous BA, Tapia JA, Tasset-Cuevas I, Tatar M, Tavassoly I, Tavernarakis N, Taylor A, Taylor GS, Taylor GA, Taylor JP, Taylor MJ, Tchetina EV, Tee AR, Teixeira-Clerc F, Telang S, Tencomnao T, Teng BB, Teng RJ, Terro F, Tettamanti G, Theiss AL, Theron AE, Thomas KJ, Thom   MP, Thomes PG, Thorburn A, Thorner J, Thum T, Thumm M, Thurston TL, Tian L, Till A, Ting JP, Titorenko VI, Toker L, Toldo S, Tooze SA, Topisirovic I, Torgersen ML, Torosantucci L, Torriglia A, Torrisi MR, Tournier C, Towns R, Trajkovic V, Travassos LH, Triola G, Tripathi DN, Trisciuglio D, Troncoso R, Trougakos IP, Truttmann AC, Tsai KJ, Tschan MP, Tseng YH, Tsukuba T, Tsung A, Tsvetkov AS, Tu S, Tuan HY, Tucci M, Tumbarello DA, Turk B, Turk V, Turner RF, Tveita AA, Tyagi SC, Ubukata M, Uchiyama Y, Udelnow A, Ueno T, Umekawa M, Umemiya-Shirafuji R, Underwood BR, Ungermann C, Ureshino RP, Ushioda R, Uversky VN, Uzc  ategui NL, Vaccari T, Vaccaro MI, V  chov   L, Vakifahmetoglu-Norberg H, Valdor R, Valente EM, Vallette F, Valverde AM, Van den Berghe G, Van Den Bosch L, van den Brink GR, van der Goot FG, van der Klei IJ, van der Laan LJ, van Doorn WG, van Egmond M, van Golen KL, Van Kaer L, van Lookeren Campagne M, Vandenabeele P, Vandenbergh W, Vanhorebeek I, Varela-Nieto I, Vasconcelos MH, Vasko R, Vavvas DG, Vega-Naredo I, Velasco G, Velentzas AD, Velentzas PD, Vellai T, Vellenga E, Vendelbo MH, Venkatachalam K, Ventura N, Ventura S, Veras PS, Verdier M, Vertessy BG, Viale A, Vidal M, Vieira HL, Vierstra RD, Vigneswaran N, Vij N, Vila M, Villar M, Villar VH, Villarroja J, Vindis C, Viola G, Viscomi MT, Vitale G, Vogl DT, Voitsekhovskaja OV, von Haefen C, von Schwarzenberg K, Voth DE, Vouret-Craviari V, Vuori K, Vyas JM, Waeber C, Walker CL, Walker MJ, Walter J, Wan L, Wan X, Wang B, Wang C, Wang CY, Wang C, Wang C, Wang C, Wang D, Wang F, Wang F, Wang G, Wang HJ, Wang H, Wang HG, Wang H, Wang HD, Wang J, Wang J, Wang M, Wang MQ, Wang PY, Wang P, Wang RC, Wang S, Wang TF, Wang X, Wang XJ, Wang XW, Wang X, Wang X, Wang Y, Wang Y, Wang Y, Wang YJ, Wang Y, Wang Y, Wang YT, Wang Y, Wang ZN, Wappner P, Ward C, Ward DM, Warnes G, Watada H, Watanabe Y, Watase K, Weaver TE, Weekes CD, Wei J, Weide T, Wehl CC, Weindl G, Weis SN, Wen L, Wen X, Wen Y, Westermann B, Weyand CM, White AR, White E, Whitton JL, Whitworth AJ, Wiels J, Wild F, Wildenberg ME, Wileman T, Wilkinson DS, Wilkinson S, Willbold D, Williams C, Williams K, Williamson PR, Winkhofer KF, Witkin SS, Wohlgemuth SE, Wollert T, Wolvetang EJ, Wong E, Wong GW, Wong RW, Wong VK, Woodcock EA, Wright KL, Wu C, Wu D, Wu GS, Wu J, Wu J, Wu M, Wu M, Wu S, Wu WK, Wu Y, Wu Z, Xavier CP, Xavier RJ, Xia GX, Xia T, Xia W, Xia Y, Xiao H, Xiao J, Xiao S, Xiao W, Xie CM, Xie Z, Xie Z, Xilouri M, Xiong Y, Xu C, Xu C, Xu F, Xu H, Xu H, Xu J, Xu J, Xu J, Xu L, Xu X, Xu Y, Xu Y, Xu ZX, Xu Z, Xue Y, Yamada T, Yamamoto A, Yamanaka K, Yamashina S, Yamashiro S, Yan B, Yan B, Yan X, Yan Z, Yanagi Y, Yang DS, Yang JM, Yang L, Yang M, Yang PM, Yang P, Yang Q, Yang W, Yang WY, Yang X, Yang Y, Yang Y, Yang Z, Yang Z, Yao MC, Yao PJ, Yao X, Yao Z, Yao Z, Yasui LS, Ye M, Yedvobnick B, Yeganeh B, Yeh ES, Yeyati PL, Yi F, Yi L, Yin XM, Yip CK, Yoo YM, Yoo YH, Yoon SY, Yoshida K, Yoshimori T, Young KH, Yu H, Yu JJ, Yu JT, Yu J, Yu L, Yu WH, Yu XF, Yu Z, Yuan J, Yuan ZM, Yue BY, Yue J, Yue Z, Zacks DN, Zacksenhaus E, Zaffaroni N, Zaglia T, Zakeri Z, Zecchini V, Zeng J, Zeng M, Zeng Q, Zervos AS, Zhang DD, Zhang F, Zhang G, Zhang GC, Zhang H, Zhang H, Zhang H, Zhang H, Zhang J, Zhang J, Zhang J, Zhang J, Zhang JP, Zhang L, Zhang L, Zhang L, Zhang L, Zhang MY, Zhang X, Zhang XD, Zhang Y, Zhang Y, Zhang Y, Zhang Y, Zhang Y, Zhao M, Zhao WL, Zhao X, Zhao YG, Zhao Y, Zhao Y, Zhao YX, Zhao Z, Zhao ZJ, Zheng D, Zheng XL, Zheng X, Zhivotovsky B, Zhong Q, Zhou GZ, Zhou G, Zhou H, Zhou SF, Zhou XJ, Zhu H, Zhu H, Zhu WG, Zhu W, Zhu XF, Zhu Y, Zhuang SM, Zhuang X, Ziparo E, Zois CE, Zoladek T, Zong WX, Zorzano A, Zughaier SM. Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*. 2016;12(1):1-222. doi: 10.1080/15548627.2015.1100356. Erratum in: *Autophagy*. 2016;12(2):443. Selliez, Iban [corrected to Seilliez, Iban]. PubMed PMID: 26799652; PubMed Central PMCID: PMC4835977.

496: Chalouhi N, Daou B, Okabe T, Starke RM, Dalyai R, Bovenzi CD, Anderson EC, Barros G, Reese A, Jabbour P, Tjoumakaris S, Rosenwasser R, Kraft WK, Rincon F. Beta-blocker therapy and impact on outcome after aneurysmal subarachnoid hemorrhage: a cohort study. *J Neurosurg*. 2016 Sep;125(3):730-6. doi: 10.3171/2015.7.JNS15956. Epub 2016 Jan 22. PubMed PMID: 26799296.

497: Safayi S, Miller JW, Wilson S, Shivapour SK, Oelfke TF, Ford AL, Klarmann Staudt A, Abode-Iyamah K, Reddy CG, Jeffery ND, Fredericks DC, Gillies GT, Howard MA 3rd. Treadmill measures of ambulation rates in ovine models of spinal cord injury and neuropathic pain. *J Med Eng Technol*. 2016;40(3):72-9. doi: 10.3109/03091902.2015.1132786. Epub 2016 Jan 19. PubMed PMID: 26785329.

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

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

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

501: Durst CR, Ornan DA, Reardon MA, Mehndiratta P, Mukherjee S, Starke RM, Wintermark M, Evans A, Jensen ME, Crowley RW, Gaughen J, Liu KC. Prevalence of dural venous sinus stenosis and hypoplasia in a generalized population. *J Neurointerv Surg*. 2016 Nov;8(11):1173-1177. doi: 10.1136/neurintsurg-2015-012147. Epub 2016 Jan 8. PubMed PMID: 26747875.

502: Pomeraniec IJ, Ksendzovsky A, Ellis S, Roberts SE, Jane JA Jr. Frequency and long-term follow-up of trapped fourth ventricle following neonatal posthemorrhagic hydrocephalus. *J Neurosurg Pediatr*. 2016 May;17(5):552-7. doi: 10.3171/2015.10.PEDS15398. Epub 2016 Jan 8. PubMed PMID: 26745647.

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

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

505: Gupta MC, Ferrero E, Mundis G, Smith JS, Shaffrey CI, Schwab F, Kim HJ, Boachie-Adjei O, Lafage V, Bess S, Hostin R, Burton DC, Ames CP, Kebaish K, Klineberg E; International Spine Study Group. Pedicle Subtraction Osteotomy in the Revision Versus Primary Adult Spinal Deformity Patient: Is There a Difference in Correction and Complications? *Spine (Phila Pa 1976)*. 2015 Nov;40(22):E1169-75. doi: 10.1097/BRS.0000000000001107. PubMed PMID: 26730526.

506: Park P, Wang MY, Nguyen S, Mundis GM Jr, La Marca F, Uribe JS, Anand N, Okonkwo DO, Kanter AS, Fessler R, Eastlack RK, Chou D, Deviren V, Nunley PD, Shaffrey CI, Mummaneni PV; International Spine Study Group. Comparison of Complications and Clinical and Radiographic Outcomes Between Nonobese and Obese Patients with Adult Spinal Deformity Undergoing Minimally Invasive Surgery. *World Neurosurg*. 2016 Mar;87:55-60. doi: 10.1016/j.wneu.2015.12.024. Epub 2015 Dec 25. PubMed PMID: 26724613.

507: Elias WJ. Editorial: Deep brain stimulation and intraoperative MRI. *J Neurosurg*. 2016

Jan;2016(1):59-61. doi: 10.3171/2015.2.JNS1556.test. PubMed PMID: 28306409.

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

509: Schmitt PJ, Kelleher JP, Ailon T, Heller JE, Kasliwal MK, Shaffrey CI, Smith JS. Long-Segment Fusion for Adult Spinal Deformity Correction Using Low-Dose Recombinant Human Bone Morphogenetic Protein-2: A Retrospective Review of Fusion Rates. *Neurosurgery.* 2016 Aug;79(2):212-21. doi: 10.1227/NEU.0000000000001194. PubMed PMID: 26702838.

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

511: Lafage R, Schwab F, Challier V, Henry JK, Gum J, Smith J, Hostin R, Shaffrey C, Kim HJ, Ames C, Scheer J, Klineberg E, Bess S, Burton D, Lafage V; International Spine Study Group. Defining Spino-Pelvic Alignment Thresholds: Should Operative Goals in Adult Spinal Deformity Surgery Account for Age? *Spine (Phila Pa 1976).* 2016 Jan;41(1):62-8. doi: 10.1097/BRS.0000000000001171. PubMed PMID: 26689395.

512: Thibault I, Chang EL, Sheehan J, Ahluwalia MS, Guckenberger M, Sohn MJ, Ryu S, Foote M, Lo SS, Muacevic A, Soltys SG, Chao S, Gerszten P, Lis E, Yu E, Bilsky M, Fisher C, Schiff D, Fehlings MG, Ma L, Chang S, Chow E, Parelukar WR, Vogelbaum MA, Sahgal A. Response assessment after stereotactic body radiotherapy for spinal metastasis: a report from the SPIne response assessment in Neuro-Oncology (SPINO) group. *Lancet Oncol.* 2015 Dec;16(16):e595-603. doi: 10.1016/S1470-2045(15)00166-7. Review. PubMed PMID: 26678212.

513: Ngulde SI, Fezeu F, Ramesh A, Moosa S, Purow B, Lopez B, Schiff D, Hussaini IM, Sandabe UK. Improving Brain Tumor Research in Resource-Limited Countries: A Review of the Literature Focusing on West Africa. *Cureus.* 2015 Nov 3;7(11):e372. doi: 10.7759/cureus.372. Review. PubMed PMID: 26677422; PubMed Central PMCID: PMC4671837.

514: Ding D, Starke RM, Kano H, Mathieu D, Huang P, Kondziolka D, Feliciano C, Rodriguez-Mercado R, Almodovar L, Grills IS, Silva D, Abbassy M, Missios S, Barnett GH, Lunsford LD, Sheehan JP. Radiosurgery for Cerebral Arteriovenous Malformations in A Randomized Trial of Unruptured Brain Arteriovenous Malformations (ARUBA)-Eligible Patients: A Multicenter Study. *Stroke.* 2016 Feb;47(2):342-9. doi: 10.1161/STROKEAHA.115.011400. Epub 2015 Dec 10. PubMed PMID: 26658441.

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

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

517: Chen F, Long Z, Yin J, Zuo Z, Li H. Isoflurane Post-Treatment Improves Outcome after an Embolic Stroke in Rabbits. *PLoS One.* 2015 Dec 8;10(12):e0143931. doi: 10.1371/journal.pone.0143931.

eCollection 2015. PubMed PMID: 26645542; PubMed Central PMCID: PMC4672898.

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

519: Hong GK, Payne SC, Jane JA Jr. Anatomy, Physiology, and Laboratory Evaluation of the Pituitary Gland. *Otolaryngol Clin North Am*. 2016 Feb;49(1):21-32. doi: 10.1016/j.otc.2015.09.002. Review. PubMed PMID: 26614827.

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

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

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

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

524: Schiff D, Desjardins A, Cloughesy T, Mikkelsen T, Glantz M, Chamberlain MC, Reardon DA, Wen PY. Phase 1 dose escalation trial of the safety and pharmacokinetics of cabozantinib concurrent with temozolomide and radiotherapy or temozolomide after radiotherapy in newly diagnosed patients with high-grade gliomas. *Cancer*. 2016 Feb 15;122(4):582-7. doi: 10.1002/cncr.29798. Epub 2015 Nov 20. PubMed PMID: 26588662.

525: Pomeraniec IJ, Ksendzovsky A, Awad AJ, Fezeu F, Jane JA Jr. Natural and surgical history of Chiari malformation Type I in the pediatric population. *J Neurosurg Pediatr*. 2016 Mar;17(3):343-52. doi: 10.3171/2015.7.PEDS1594. Epub 2015 Nov 20. PubMed PMID: 26588459.

526: Reddy CG, Dalm BD, Flouty OE, Gillies GT, Howard MA 3rd, Brennan TJ. Comparison of Conventional and Kilohertz Frequency Epidural Stimulation in Patients Undergoing Trialing for Spinal Cord Stimulation: Clinical Considerations. *World Neurosurg*. 2016 Apr;88:586-91. doi: 10.1016/j.wneu.2015.10.088. Epub 2015 Nov 14. PubMed PMID: 26585728.

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

528: Smith JS, Lafage V, Shaffrey CI, Schwab F, Lafage R, Hostin R, O'Brien M, Boachie-Adjei O, Akbarnia BA, Mundis GM, Errico T, Kim HJ, Protopsaltis TS, Hamilton DK, Scheer JK, Sciubba D, Ailon T, Fu KM, Kelly MP, Zebala L, Line B, Klineberg E, Gupta M, Deviren V, Hart R, Burton D, Bess S, Ames CP; International Spine Study Group. Outcomes of Operative and Nonoperative Treatment for Adult Spinal Deformity: A Prospective, Multicenter, Propensity-Matched Cohort Assessment With Minimum 2-Year Follow-up. *Neurosurgery*. 2016 Jun;78(6):851-61. doi: 10.1227/NEU.0000000000001116. PubMed PMID: 26579966.

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

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

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

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

533: Trifiletti DM, Lee CC, Shah N, Patel NV, Chen SC, Sheehan JP. How Does Brainstem Involvement Affect Prognosis in Patients with Limited Brain Metastases? Results of a Matched-Cohort Analysis. *World Neurosurg*. 2016 Apr;88:563-8. doi: 10.1016/j.wneu.2015.10.089. Epub 2015 Nov 10. PubMed PMID: 26555507.

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

535: Trifiletti DM, Lee CC, Schlesinger D, Lerner JM, Xu Z, Sheehan JP. Leukoencephalopathy After Stereotactic Radiosurgery for Brain Metastases. *Int J Radiat Oncol Biol Phys*. 2015 Nov 15;93(4):870-8. doi: 10.1016/j.ijrobp.2015.07.2280. Epub 2015 Jul 29. PubMed PMID: 26530756.

536: Liu S, Diebo BG, Henry JK, Smith JS, Hostin R, Cunningham ME, Mundis G, Ames CP, Burton D, Bess S, Akbarnia B, Hart R, Passias PG, Schwab FJ, Lafage V; International Spine Study Group (ISSG). The benefit of nonoperative treatment for adult spinal deformity: identifying predictors for reaching a minimal clinically important difference. *Spine J*. 2016 Feb;16(2):210-8. doi:

10.1016/j.spinee.2015.10.043. Epub 2015 Oct 31. PubMed PMID: 26523966.

537: Pomeraniec IJ, Dallapiazza RF, Xu Z, Jane JA Jr, Sheehan JP. Early versus late Gamma Knife radiosurgery following transsphenoidal resection for nonfunctioning pituitary macroadenomas: a matched cohort study. *J Neurosurg.* 2016 Jul;125(1):202-12. doi: 10.3171/2015.5.JNS15581. Epub 2015 Oct 30. PubMed PMID: 26517773.

538: Kepler CK, Vaccaro AR, Chen E, Patel AA, Ahn H, Nassr A, Shaffrey CI, Harrop J, Schroeder GD, Agarwala A, Dvorak MF, Fourney DR, Wood KB, Traynelis VC, Yoon ST, Fehlings MG, Aarabi B. Treatment of isolated cervical facet fractures: a systematic review. *J Neurosurg Spine.* 2016 Feb;24(2):347-354. doi: 10.3171/2015.6.SPINE141260. Epub 2015 Oct 30. PubMed PMID: 26516667.

539: Rutka JT. Editorial: Excellence, mentorship, and the final transition. *J Neurosurg.* 2016 Jan;124(1):5-6. doi: 10.3171/2015.9.JNS152280. Epub 2015 Oct 23. PubMed PMID: 26495943.

540: Durst CR, Hixson HR, Schmitt P, Gingras JM, Crowley RW. Endovascular Treatment of a Fusiform Aneurysm at the M3-M4 Junction of the Middle Cerebral Artery Using the Pipeline Embolization Device. *World Neurosurg.* 2016 Feb;86:511.e1-4. doi: 10.1016/j.wneu.2015.10.016. Epub 2015 Oct 17. PubMed PMID: 26485414.

541: Ding D, Starke RM, Manka D, Crowley RW, Liu KC. Endovascular coil embolization of a spinal epidural arteriovenous fistula with associated cord compression from an enlarging venous varix. *Interv Neuroradiol.* 2015 Dec;21(6):738-41. doi: 10.1177/1591019915609132. Epub 2015 Oct 13. PubMed PMID: 26464290; PubMed Central PMCID: PMC4757364.

542: Park P, Okonkwo DO, Nguyen S, Mundis GM Jr, Than KD, Deviren V, La Marca F, Fu KM, Wang MY, Uribe JS, Anand N, Fessler R, Nunley PD, Chou D, Kanter AS, Shaffrey CI, Akbarnia BA, Passias PG, Eastlack RK, Mummaneni PV; International Spine Study Group. Can a Minimal Clinically Important Difference Be Achieved in Elderly Patients with Adult Spinal Deformity Who Undergo Minimally Invasive Spinal Surgery? *World Neurosurg.* 2016 Feb;86:168-72. doi: 10.1016/j.wneu.2015.09.072. Epub 2015 Sep 30. PubMed PMID: 26431736.

543: Soroceanu A, Diebo BG, Burton D, Smith JS, Deviren V, Shaffrey C, Kim HJ, Mundis G, Ames C, Errico T, Bess S, Hostin R, Hart R, Schwab F, Lafage V; International Spine Study Group. Radiographical and Implant-Related Complications in Adult Spinal Deformity Surgery: Incidence, Patient Risk Factors, and Impact on Health-Related Quality of Life. *Spine (Phila Pa 1976).* 2015 Sep 15;40(18):1414-21. doi: 10.1097/BRS.0000000000001020. PubMed PMID: 26426712.

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

545: Cohen-Inbar O, Lee CC, Schlesinger D, Xu Z, Sheehan JP. Long-Term Results of Stereotactic Radiosurgery for Skull Base Meningiomas. *Neurosurgery.* 2016 Jul;79(1):58-68. doi: 10.1227/NEU.0000000000001045. PubMed PMID: 26421592.

546: Starke RM, Monteith SJ, Southerland AM, Crowley RW, Chalouhi N, Ding D, Hasan DM, Dumont AS. Developments in Neurovascular Diseases and Treatments. *ScientificWorldJournal.* 2015;2015:608607. doi: 10.1155/2015/608607. Epub 2015 Aug 31. PubMed PMID: 26417611; PubMed Central PMCID: PMC4568361.

547: Ding D. Stereotactic radiosurgery versus surgical resection for the management of intracranial meningiomas in elderly patients. *Acta Neurochir (Wien).* 2015 Dec;157(12):2205-7. doi:

10.1007/s00701-015-2589-z. Epub 2015 Sep 21. PubMed PMID: 26392116.

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

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

550: Ha Y, Oh JK, Smith JS, Ailon T, Fehlings MG, Shaffrey CI, Ames CP. Impact of Movement Disorders on Management of Spinal Deformity in the Elderly. *Neurosurgery*. 2015 Oct;77 Suppl 4:S173-85. doi: 10.1227/NEU.0000000000000940. Review. PubMed PMID: 26378355.

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

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

553: Fehlings MG, Tetreault L, Nater A, Choma T, Harrop J, Mroz T, Santaguida C, Smith JS. The Aging of the Global Population: The Changing Epidemiology of Disease and Spinal Disorders. *Neurosurgery*. 2015 Oct;77 Suppl 4:S1-5. doi: 10.1227/NEU.0000000000000953. PubMed PMID: 26378347.

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

555: Rutka JT. Editorial: Sequential giants and the dawn of pediatric neurosurgery. *J Neurosurg Pediatr*. 2015 Nov;16(5):481-482. doi: 10.3171/2015.8.PEDS15509. Epub 2015 Sep 11. PubMed PMID: 26360113.

556: Durst CR, Starke RM, Clopton D, Hixson HR, Schmitt PJ, Gingras JM, Ding D, Liu KC, Crowley RW, Jensen ME, Evans AJ, Gaughen J. Endovascular treatment of ophthalmic artery aneurysms: ophthalmic artery patency following flow diversion versus coil embolization. *J Neurointerv Surg*. 2016 Sep;8(9):919-22. doi: 10.1136/neurintsurg-2015-011887. Epub 2015 Sep 9. PubMed PMID: 26354944.

557: Mummaneni PV, Park P, Fu KM, Wang MY, Nguyen S, Lafage V, Uribe JS, Ziewacz J, Terran J, Okonkwo DO, Anand N, Fessler R, Kanter AS, LaMarca F, Deviren V, Bess RS, Schwab FJ, Smith JS, Akbarnia BA, Mundis GM Jr, Shaffrey CI; International Spine Study Group. Does Minimally Invasive Percutaneous Posterior Instrumentation Reduce Risk of Proximal Junctional Kyphosis in Adult Spinal Deformity Surgery? A Propensity-Matched Cohort Analysis. *Neurosurgery*. 2016 Jan;78(1):101-8. doi: 10.1227/NEU.0000000000001002. PubMed PMID: 26348014.

558: Trifiletti DM, Lee CC, Winardi W, Patel NV, Yen CP, Lerner JM, Sheehan JP. Brainstem metastases treated with stereotactic radiosurgery: safety, efficacy, and dose response. *J Neurooncol*. 2015

Nov;125(2):385-92. doi: 10.1007/s11060-015-1927-6. Epub 2015 Sep 4. PubMed PMID: 26341374.

559: Safayi S, Jeffery ND, Shivapour SK, Zamanighomi M, Zylstra TJ, Bratsch-Prince J, Wilson S, Reddy CG, Fredericks DC, Gillies GT, Howard MA 3rd. Kinematic analysis of the gait of adult sheep during treadmill locomotion: Parameter values, allowable total error, and potential for use in evaluating spinal cord injury. *J Neurol Sci.* 2015 Nov 15;358(1-2):107-12. doi: 10.1016/j.jns.2015.08.031. Epub 2015 Aug 21. PubMed PMID: 26341152.

560: Pomeraniec IJ, Bond AE, Lopes MB, Jane JA Sr. Concurrent Alzheimer's pathology in patients with clinical normal pressure hydrocephalus: correlation of high-volume lumbar puncture results, cortical brain biopsies, and outcomes. *J Neurosurg.* 2016 Feb;124(2):382-8. doi: 10.3171/2015.2.JNS142318. Epub 2015 Sep 4. PubMed PMID: 26339853.

561: Conboy E, Dhamija R, Wang M, Xie J, Dyck PJ, Bridges AG, Spinner RJ, Clayton AC, Watson RE, Messiaen L, Babovic-Vuksanovic D. Paraspinal neurofibromas and hypertrophic neuropathy in Noonan syndrome with multiple lentigines. *J Med Genet.* 2016 Feb;53(2):123-6. doi: 10.1136/jmedgenet-2015-103177. Epub 2015 Sep 2. PubMed PMID: 26337637.

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

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

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

565: Culver SA, Grober Y, Ornan DA, Patrie JT, Oldfield EH, Jane JA Jr, Thorner MO. A Case for Conservative Management: Characterizing the Natural History of Radiographically Diagnosed Rathke Cleft Cysts. *J Clin Endocrinol Metab.* 2015 Oct;100(10):3943-8. doi: 10.1210/jc.2015-2604. Epub 2015 Aug 25. PubMed PMID: 26305621; PubMed Central PMCID: PMC5399501.

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

PMC4545930.

567: Uh J, Merchant TE, Li Y, Li X, Sabin ND, Indelicato DJ, Ogg RJ, Boop FA, Jane JA Jr, Hua C. Effects of Surgery and Proton Therapy on Cerebral White Matter of Craniopharyngioma Patients. *Int J Radiat Oncol Biol Phys*. 2015 Sep 1;93(1):64-71. doi: 10.1016/j.ijrobp.2015.05.017. Epub 2015 May 16. PubMed PMID: 26279025; PubMed Central PMCID: PMC5144582.

568: Elias WJ. Editorial: Deep brain stimulation and intraoperative MRI. *J Neurosurg*. 2016 Jan;124(1):59-60. doi: 10.3171/2015.2.JNS1556. Epub 2015 Aug 14. PubMed PMID: 26274990.

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

570: Mericli AF, Chen K, Murariu D, Jane JA Jr, Lin KY. Calvarial Regeneration With Use of Acellular Dermal Matrix in Aplasia Cutis Congenita. *J Craniofac Surg*. 2015 Sep;26(6):1960-2. doi: 10.1097/SCS.0000000000002024. PubMed PMID: 26267580.

571: Ding D, Starke RM, Liu KC, Crowley RW. Cortical plasticity in patients with cerebral arteriovenous malformations. *J Clin Neurosci*. 2015 Dec;22(12):1857-61. doi: 10.1016/j.jocn.2015.06.014. Review. PubMed PMID: 26256067.

572: Ding D, Chen CJ, Starke RM, Liu KC, Crowley RW. Ophthalmologic course of bilateral abducens nerve palsies after the treatment of idiopathic intracranial hypertension with venous sinus stenting. *Neurol Sci*. 2015 Dec;36(12):2297-9. doi: 10.1007/s10072-015-2365-0. Epub 2015 Aug 9. PubMed PMID: 26255302.

573: Ding D, Chen CJ, Starke RM, Liu KC, Crowley RW. Rapid recovery of bilateral abducens nerve palsies after venous sinus stenting for idiopathic intracranial hypertension. *J Neurol Sci*. 2015 Oct 15;357(1-2):335-7. doi: 10.1016/j.jns.2015.07.047. Epub 2015 Aug 1. PubMed PMID: 26253703.

574: Crowley RW, Burke RM, Lopes MBS, Hamilton DK, Jane JA Sr. Long-term cure of high-grade spinal cord glioma in a pediatric patient who underwent cordectomy. *J Neurosurg Spine*. 2015 Nov;23(5):635-641. doi: 10.3171/2015.7.SPINE15656. Epub 2015 Aug 7. PubMed PMID: 26252785.

575: Sheehan JP, Kavanagh BD, Asher A, Harbaugh RE. Inception of a national multidisciplinary registry for stereotactic radiosurgery. *J Neurosurg*. 2016 Jan;124(1):155-62. doi: 10.3171/2015.1.JNS142466. Epub 2015 Aug 7. PubMed PMID: 26252466.

576: Przybylowski CJ, Ding D, Starke RM, Webster Crowley R, Liu KC. Endoport-assisted surgery for the management of spontaneous intracerebral hemorrhage. *J Clin Neurosci*. 2015 Nov;22(11):1727-32. doi: 10.1016/j.jocn.2015.05.015. Epub 2015 Jul 31. PubMed PMID: 26238692.

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

578: Maggio D, Ailon TT, Smith JS, Shaffrey CI, Lafage V, Schwab F, Haid RW Jr, Protopsaltis T, Klineberg E, Scheer JK, Bess S, Arnold PM, Chapman J, Fehlings MG, Ames C; AOSpine North America; International Spine Study Group. Assessment of impact of standing long-cassette radiographs on

surgical planning for lumbar pathology: an international survey of spine surgeons. *J Neurosurg Spine*. 2015 Nov;23(5):581-588. doi: 10.3171/2015.1.SPINE14833. Epub 2015 Jul 31. PubMed PMID: 26230421.

579: Soroceanu A, Burton DC, Diebo BG, Smith JS, Hostin R, Shaffrey CI, Boachie-Adjei O, Mundis GM Jr, Ames C, Errico TJ, Bess S, Gupta MC, Hart RA, Schwab FJ, Lafage V; International Spine Study Group. Impact of obesity on complications, infection, and patient-reported outcomes in adult spinal deformity surgery. *J Neurosurg Spine*. 2015 Nov;23(5):656-664. doi: 10.3171/2015.3.SPINE14743. Epub 2015 Jul 31. PubMed PMID: 26230419.

580: Chu CK, Morgan ML, Almarzouqi S, Lee AG, Newman SA. What's in a name? *Surv Ophthalmol*. 2016 Jan-Feb;61(1):95-101. doi: 10.1016/j.survophthal.2015.07.002. Epub 2015 Jul 23. PubMed PMID: 26212152.

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

582: Starke RM. Do brainstem cavernous malformations have a higher rate of hemorrhage? *Expert Rev Neurother*. 2015 Oct;15(10):1109-11. doi: 10.1586/14737175.2015.1071193. Epub 2015 Jul 18. PubMed PMID: 26189553.

583: Trifiletti DM, Patel N, Lee CC, Romano AM, Sheehan JP. Stereotactic radiosurgery in the treatment of brain metastases from gastrointestinal primaries. *J Neurooncol*. 2015 Sep;124(3):439-46. doi: 10.1007/s11060-015-1857-3. Epub 2015 Jul 18. PubMed PMID: 26186901.

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

585: Ajiboye N, Chalouhi N, Starke RM, Zanaty M, Bell R. Unruptured Cerebral Aneurysms: Evaluation and Management. *ScientificWorldJournal*. 2015;2015:954954. doi: 10.1155/2015/954954. Epub 2015 Jun 4. Review. PubMed PMID: 26146657; PubMed Central PMCID: PMC4471401.

586: Starke RM, Wang T, Ding D, Durst CR, Crowley RW, Chalouhi N, Hasan DM, Dumont AS, Jabbour P, Liu KC. Endovascular Treatment of Venous Sinus Stenosis in Idiopathic Intracranial Hypertension: Complications, Neurological Outcomes, and Radiographic Results. *ScientificWorldJournal*. 2015;2015:140408. doi: 10.1155/2015/140408. Epub 2015 Jun 4. Review. PubMed PMID: 26146651; PubMed Central PMCID: PMC4471318.

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

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

589: Zadeh G, Khan OH, Vogelbaum M, Schiff D. Much debated controversies of diffuse low-grade gliomas. *Neuro Oncol*. 2015 Mar;17(3):323-6. doi: 10.1093/neuonc/nou368. PubMed PMID: 26114668; PubMed Central PMCID: PMC4483107.

590: Lin SH, Chen SW, Lo YC, Lai HY, Yang CH, Chen SY, Chang YJ, Chen CH, Huang WT, Jaw FS, Chen YY, Tsang S, Liao LD. Quantitative measurement of Parkinsonian gait from walking in monocular image sequences using a centroid tracking algorithm. *Med Biol Eng Comput*. 2016 Mar;54(2-3):485-96. doi: 10.1007/s11517-015-1335-2. Epub 2015 Jun 25. PubMed PMID: 26109520.

591: Ghanouni P, Pauly KB, Elias WJ, Henderson J, Sheehan J, Monteith S, Wintermark M. Transcranial MRI-Guided Focused Ultrasound: A Review of the Technologic and Neurologic Applications. *AJR Am J Roentgenol*. 2015 Jul;205(1):150-9. doi: 10.2214/AJR.14.13632. Review. PubMed PMID: 26102394; PubMed Central PMCID: PMC4687492.

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

593: Rutka JT. The passing of colleagues, and the passage of time. *J Neurosurg*. 2015 Aug;123(2):297-8. doi: 10.3171/2015.5.JNS151114. Epub 2015 Jun 19. PubMed PMID: 26090840.

594: Chen CJ, Moosa S, Ding D, Raper DM, Burke RM, Lee CC, Chivukula S, Wang TR, Starke RM, Crowley RW, Liu KC. Infundibular dilations of the posterior communicating arteries: pathogenesis, anatomical variants, aneurysm formation, and subarachnoid hemorrhage. *J Neurointerv Surg*. 2016 Aug;8(8):791-5. doi: 10.1136/neurintsurg-2015-011827. Epub 2015 Jun 18. Review. PubMed PMID: 26089400.

595: Shaver D. Case report: Patient presenting with Cushing's disease. *Surg Neurol Int*. 2015 May 25;6(Suppl 6):S268-70. doi: 10.4103/2152-7806.157619. eCollection 2015. PubMed PMID: 26069847; PubMed Central PMCID: PMC4450502.

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

597: Ding D. Endovascular Mechanical Thrombectomy for Acute Ischemic Stroke: A New Standard of Care. *J Stroke*. 2015 May;17(2):123-6. doi: 10.5853/jos.2015.17.2.123. Epub 2015 May 29. Review. PubMed PMID: 26060799; PubMed Central PMCID: PMC4460331.

598: Naik BI, Pajewski TN, Bogdonoff DI, Zuo Z, Clark P, Terkawi AS, Durieux ME, Shaffrey CI, Nemergut EC. Rotational thromboelastometry-guided blood product management in major spine surgery. *J Neurosurg Spine*. 2015 Aug;23(2):239-49. doi: 10.3171/2014.12.SPINE14620. Epub 2015 May 22. PubMed PMID: 26053893.

599: Lin CH, Hsu KH, Chang SN, Tsou HK, Sheehan J, Sheu ML, Pan HC. Increased survival with the combination of stereotactic radiosurgery and gefitinib for non-small cell lung cancer brain metastasis patients: a nationwide study in Taiwan. *Radiat Oncol*. 2015 Jun 6;10:127. doi: 10.1186/s13014-015-0431-7. PubMed PMID: 26048754; PubMed Central PMCID: PMC4490645.

600: Smith JS, Shaffrey CI, Lafage V, Schwab F, Scheer JK, Protopsaltis T, Klineberg E, Gupta M, Hostin R, Fu KM, Mundis GM Jr, Kim HJ, Deviren V, Soroceanu A, Hart RA, Burton DC, Bess S, Ames CP; International Spine Study Group. Comparison of best versus worst clinical outcomes for adult spinal deformity surgery: a retrospective review of a prospectively collected, multicenter database with 2-year follow-up. *J Neurosurg Spine*. 2015 Sep;23(3):349-59. doi: 10.3171/2014.12.SPINE14777. Epub 2015 Jun 5. PubMed PMID: 26047345.

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

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

603: Buell TJ, Ksendzovsky A, Shah BB, Kesser BW, Elias WJ. Deep Brain Stimulation in the Setting of Cochlear Implants: Case Report and Literature Review. *Stereotact Funct Neurosurg*. 2015;93(4):245-9. doi: 10.1159/000380824. Epub 2015 May 21. Review. PubMed PMID: 25998722; PubMed Central PMCID: PMC4540667.

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

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

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

607: Miller GW, Eames M, Snell J, Aubry JF. Ultrashort echo-time MRI versus CT for skull aberration correction in MR-guided transcranial focused ultrasound: In vitro comparison on human calvaria. *Med Phys*. 2015 May;42(5):2223-33. doi: 10.1118/1.4916656. PubMed PMID: 25979016.

608: Protopsaltis TS, Scheer JK, Terran JS, Smith JS, Hamilton DK, Kim HJ, Mundis GM Jr, Hart RA, McCarthy IM, Klineberg E, Lafage V, Bess S, Schwab F, Shaffrey CI, Ames CP; International Spine Study Group. How the neck affects the back: changes in regional cervical sagittal alignment correlate to

- HRQOL improvement in adult thoracolumbar deformity patients at 2-year follow-up. *J Neurosurg Spine*. 2015 Aug;23(2):153-8. doi: 10.3171/2014.11.SPINE1441. Epub 2015 May 15. PubMed PMID: 25978077.
- 609: Gu CN, Brinjikji W, Evans AJ, Murad MH, Kallmes DF. Outcomes of vertebroplasty compared with kyphoplasty: a systematic review and meta-analysis. *J Neurointerv Surg*. 2016 Jun;8(6):636-42. doi: 10.1136/neurintsurg-2015-011714. Epub 2015 May 11. Review. PubMed PMID: 25964376.
- 610: Saigal R, Clark AJ, Scheer JK, Smith JS, Bess S, Mummaneni PV, McCarthy IM, Hart RA, Kebaish KM, Klineberg EO, Deviren V, Schwab F, Shaffrey CI, Ames CP. Adult Spinal Deformity Patients Recall Fewer Than 50% of the Risks Discussed in the Informed Consent Process Preoperatively and the Recall Rate Worsens Significantly in the Postoperative Period. *Spine (Phila Pa 1976)*. 2015 Jul 15;40(14):1079-85. doi: 10.1097/BRS.0000000000000964. PubMed PMID: 25946720.
- 611: Chen CJ, Cheng FC, Su HL, Sheu ML, Lu ZH, Chiang CY, Yang DY, Sheehan J, Pan HC. Improved neurological outcome by intramuscular injection of human amniotic fluid derived stem cells in a muscle denervation model. *PLoS One*. 2015 May 6;10(5):e0124624. doi: 10.1371/journal.pone.0124624. eCollection 2015. PubMed PMID: 25945496; PubMed Central PMCID: PMC4422615.
- 612: Sciubba DM, Scheer JK, Smith JS, Lafage V, Klineberg E, Gupta M, Mundis GM, Protopsaltis TS, Kim HJ, Hiratzka JR, Koski T, Shaffrey CI, Bess S, Hart RA, Ames CP; International Spine Study Group (ISSG). Which daily functions are most affected by stiffness following total lumbar fusion: comparison of upper thoracic and thoracolumbar proximal endpoints. *Spine (Phila Pa 1976)*. 2015 Sep 1;40(17):1338-44. doi: 10.1097/BRS.0000000000000968. PubMed PMID: 25943083.
- 613: Jane JA Jr, Krieger MD, Persing J. Introduction: craniosynostosis: modern treatment strategies. *Neurosurg Focus*. 2015 May;38(5):E1. doi: 10.3171/2015.3.FOCUS15133. PubMed PMID: 25929962.
- 614: Awad AJ, Walcott BP, Stapleton CJ, Ding D, Leed CC, Loeffler JS. Repeat radiosurgery for cerebral arteriovenous malformations. *J Clin Neurosci*. 2015 Jun;22(6):945-950. doi: 10.1016/j.jocn.2015.01.015. Epub 2015 Apr 23. Review. PubMed PMID: 25913746; PubMed Central PMCID: PMC4420649.
- 615: Kuo YH, Chen YT, Tsai HP, Chai CY, Kwan AL. Nucleophosmin overexpression is associated with poor survival in astrocytoma. *APMIS*. 2015 Jun;123(6):515-22. doi: 10.1111/apm.12381. Epub 2015 Apr 23. PubMed PMID: 25907517.
- 616: Jane JA Jr., Laws ER Jr.. Surgical Treatment of pituitary neuroendocrine tumors. 2016 Dec 5. In: De Groot LJ, Chrousos G, Dungan K, Feingold KR, Grossman A, Hershman JM, Koch C, Korbonits M, McLachlan R, New M, Purnell J, Rebar R, Singer F, Vinik A, editors. *Endotext* [Internet]. South Dartmouth (MA): MDText.com, Inc.; 2000-. Available from <http://www.ncbi.nlm.nih.gov/books/NBK278983/> PubMed PMID: 25905217.
- 617: Passias PG, Soroceanu A, Smith J, Boniello A, Yang S, Scheer JK, Schwab F, Shaffrey C, Kim HJ, Protopsaltis T, Mundis G, Gupta M, Klineberg E, Lafage V, Ames C; International Spine Study Group. Postoperative cervical deformity in 215 thoracolumbar patients with adult spinal deformity: prevalence, risk factors, and impact on patient-reported outcome and satisfaction at 2-year follow-up. *Spine (Phila Pa 1976)*. 2015 Mar 1;40(5):283-91. doi: 10.1097/BRS.0000000000000746. PubMed PMID: 25901975.
- 618: Ilkow CS, Marguerie M, Batenchuk C, Mayer J, Ben Neriah D, Cousineau S, Falls T, Jennings VA, Boileau M, Bellamy D, Bastin D, de Souza CT, Alkayyal A, Zhang J, Le Boeuf F, Arulanandam R,

Stubbert L, Sampath P, Thorne SH, Paramanthan P, Chatterjee A, Strieter RM, Burdick M, Addison CL, Stojdl DF, Atkins HL, Auer RC, Diallo JS, Lichty BD, Bell JC. Reciprocal cellular cross-talk within the tumor microenvironment promotes oncolytic virus activity. *Nat Med*. 2015 May;21(5):530-6. doi: 10.1038/nm.3848. Epub 2015 Apr 20. PubMed PMID: 25894825.

619: Ding D. Differentiating colloid cyst from intraventricular cysticercus: Case of a ventricular cyst in a patient with neurocysticercosis. *J Neurosci Rural Pract*. 2015 Apr-Jun;6(2):289-90. doi: 10.4103/0976-3147.150315. PubMed PMID: 25883509; PubMed Central PMCID: PMC4387840.

620: Ding D. Microsurgery versus radiosurgery as the definitive intervention for Spetzler-Martin grade III arteriovenous malformations. *Clin Neurol Neurosurg*. 2015 Jun;133:103-4. doi: 10.1016/j.clineuro.2015.03.021. Epub 2015 Apr 4. PubMed PMID: 25883040.

621: Oermann EK, Ding D, Yen CP, Starke RM, Bederson JB, Kondziolka D, Sheehan JP. Effect of Prior Embolization on Cerebral Arteriovenous Malformation Radiosurgery Outcomes: A Case-Control Study. *Neurosurgery*. 2015 Sep;77(3):406-17; discussion 417. doi: 10.1227/NEU.0000000000000772. PubMed PMID: 25875580.

622: Ding D. Management of intracranial atherosclerotic disease: current roles of medical therapy versus stent-assisted revascularization. *Neurol Sci*. 2015 Aug;36(8):1531-2. doi: 10.1007/s10072-015-2214-1. Epub 2015 Apr 14. PubMed PMID: 25868599.

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

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

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

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

627: Eames MD, Farnum M, Khaled M, Elias WJ, Hananel A, Snell JW, Kassell NF, Aubry JF. Head phantoms for transcranial focused ultrasound. *Med Phys*. 2015 Apr;42(4):1518-27. doi: 10.1118/1.4907959. PubMed PMID: 25832042.

628: Mehta GU, Montgomery BK, Raghavan P, Sharma S, Nieman LK, Patronas N, Oldfield EH, Chittiboina P. Different imaging characteristics of concurrent pituitary neuroendocrine tumors in a patient with Cushing's disease. *J Clin Neurosci*. 2015 May;22(5):891-4. doi: 10.1016/j.jocn.2015.01.001. Epub 2015 Mar 29. PubMed PMID: 25827866; PubMed Central PMCID: PMC4397140.

- 629: Zaidat OO, Fitzsimmons BF, Woodward BK, Wang Z, Killer-Oberpfalzer M, Wakhloo A, Gupta R, Kirshner H, Megerian JT, Lesko J, Pitzer P, Ramos J, Castonguay AC, Barnwell S, Smith WS, Gress DR; VISSIT Trial Investigators. Effect of a balloon-expandable intracranial stent vs medical therapy on risk of stroke in patients with symptomatic intracranial stenosis: the VISSIT randomized clinical trial. *JAMA*. 2015 Mar 24-31;313(12):1240-8. doi: 10.1001/jama.2015.1693. PubMed PMID: 25803346.
- 630: Oh T, Scheer JK, Eastlack R, Smith JS, Lafage V, Protopsaltis TS, Klineberg E, Passias PG, Deviren V, Hostin R, Gupta M, Bess S, Schwab F, Shaffrey CI, Ames CP; International Spine Study Group. Cervical compensatory alignment changes following correction of adult thoracic deformity: a multicenter experience in 57 patients with a 2-year follow-up. *J Neurosurg Spine*. 2015 Jun;22(6):658-65. doi: 10.3171/2014.10.SPINE14829. Epub 2015 Mar 20. PubMed PMID: 25793468.
- 631: Haider AH, Schneider EB, Sriram N, Dossick DS, Scott VK, Swoboda SM, Losonczy L, Haut ER, Efron DT, Pronovost PJ, Lipsett PA, Cornwell EE 3rd, MacKenzie EJ, Cooper LA, Freischlag JA. Unconscious race and social class bias among acute care surgical clinicians and clinical treatment decisions. *JAMA Surg*. 2015 May;150(5):457-64. doi: 10.1001/jamasurg.2014.4038. PubMed PMID: 25786199.
- 632: Starke RM, Connolly ES, Komotar RJ. A multicenter randomized clinical trial of endovascular treatment for acute ischemic stroke caused by proximal arterial occlusion in the anterior circulation. *Neurosurgery*. 2015 Apr;76(4):N19-21. doi: 10.1227/01.neu.0000462698.30888.af. PubMed PMID: 25784012.
- 633: Ding D, Starke RM, Crowley RW, Liu KC. Endoport-assisted microsurgical resection of cerebral cavernous malformations. *J Clin Neurosci*. 2015 Jun;22(6):1025-9. doi: 10.1016/j.jocn.2015.01.004. Epub 2015 Mar 10. PubMed PMID: 25769248.
- 634: Jayaraman MV, Hussain MS, Abruzzo T, Albani B, Albuquerque FC, Alexander MJ, Ansari SA, Arthur AS, Baxter B, Bulsara KR, Chen M, Delgado Almandoz JE, Fraser JF, Heck DV, Hetts SW, Kelly M, Lee SK, Leslie-Mawzi T, McTaggart RA, Meyers PM, Prestigiacomo C, Pride GL, Patsalides A, Starke RM, Tarr RW, Frei D, Rasmussen P; Standards and Guidelines Committee of the Society of NeuroInterventional Surgery. Embolectomy for stroke with emergent large vessel occlusion (ELVO): report of the Standards and Guidelines Committee of the Society of NeuroInterventional Surgery. *J Neurointerv Surg*. 2015 May;7(5):316-21. doi: 10.1136/neurintsurg-2015-011717. Epub 2015 Mar 12. Erratum in: *J Neurointerv Surg*. 2015 Aug;7(8):622. Delgado-Almandoz, Josser A [corrected to Delgado Almandoz, Josser E]. PubMed PMID: 25765949.
- 635: Dallapiazza R, Khaled M, Eames M, Snell J, Lopes MB, Wintermark M, Elias WJ. Feasibility and Safety of MR-Guided Focused Ultrasound Lesioning in the Setting of Deep Brain Stimulation. *Stereotact Funct Neurosurg*. 2015 Feb 27;93(2):140-146. [Epub ahead of print] PubMed PMID: 25765151.
- 636: Davies SW, Leonard KL, Falls RK Jr, Mageau RP, Efird JT, Hollowell JP, Trainor WE 2nd, Kanaan HA, Hickner RC, Sawyer RG, Poulin NR, Waibel BH, Toschlog EA. Lung protective ventilation (ARDSNet) versus airway pressure release ventilation: ventilatory management in a combined model of acute lung and brain injury. *J Trauma Acute Care Surg*. 2015 Feb;78(2):240-9; discussion 249-51. doi: 10.1097/TA.0000000000000518. Erratum in: *J Trauma Acute Care Surg*. 2015 Apr;78(4):892. PubMed PMID: 25757107; PubMed Central PMCID: PMC4356024.
- 637: Ding D. Pathogenesis of radiosurgery-induced cyst formation in patients with cerebral arteriovenous malformations. *Acta Neurochir (Wien)*. 2015 May;157(5):775-7. doi: 10.1007/s00701-015-2380-1. Epub 2015 Mar 7. PubMed PMID: 25749841.

- 638: Ding D. Visual outcomes after treatment of paraclinoid aneurysms: comparison of surgical and endovascular interventions. *Acta Neurochir (Wien)*. 2015 May;157(5):773-4. doi: 10.1007/s00701-015-2379-7. Epub 2015 Mar 7. PubMed PMID: 25749840.
- 639: Ding D. Recovery of neurological function after stereotactic radiosurgery for skull base tumors. *Clin Neurol Neurosurg*. 2015 May;132:31-2. doi: 10.1016/j.clineuro.2015.02.008. Epub 2015 Feb 21. PubMed PMID: 25746319.
- 640: Dallapiazza RF, Jane JA Jr. Outcomes of endoscopic transsphenoidal pituitary surgery. *Endocrinol Metab Clin North Am*. 2015 Mar;44(1):105-15. doi: 10.1016/j.ecl.2014.10.010. Epub 2014 Nov 4. Review. PubMed PMID: 25732647.
- 641: Dallapiazza RF, Oldfield EH, Jane JA Jr. Surgical management of Cushing's disease. *Pituitary*. 2015 Apr;18(2):211-6. doi: 10.1007/s11102-015-0646-5. Review. PubMed PMID: 25724315.
- 642: Jansen LA, Mirzaa GM, Ishak GE, O'Roak BJ, Hiatt JB, Roden WH, Gunter SA, Christian SL, Collins S, Adams C, Rivière JB, St-Onge J, Ojemann JG, Shendure J, Hevner RF, Dobyns WB. PI3K/AKT pathway mutations cause a spectrum of brain malformations from megalencephaly to focal cortical dysplasia. *Brain*. 2015 Jun;138(Pt 6):1613-28. doi: 10.1093/brain/awv045. Epub 2015 Feb 25. PubMed PMID: 25722288; PubMed Central PMCID: PMC4614119.
- 643: Neuwelt EA, Schiff D. Primary CNS lymphoma: a landmark trial and the next steps. *Neurology*. 2015 Mar 24;84(12):1194-5. doi: 10.1212/WNL.0000000000001407. Epub 2015 Feb 25. PubMed PMID: 25716361.
- 644: Simões EA, DeVincenzo JP, Boeckh M, Bont L, Crowe JE Jr, Griffiths P, Hayden FG, Hodinka RL, Smyth RL, Spencer K, Thirstrup S, Walsh EE, Whitley RJ. Challenges and opportunities in developing respiratory syncytial virus therapeutics. *J Infect Dis*. 2015 Mar 15;211 Suppl 1:S1-S20. doi: 10.1093/infdis/jiu828. PubMed PMID: 25713060; PubMed Central PMCID: PMC4345819.
- 645: Flynn-O'Brien KT, Fawcett VJ, Nixon ZA, Rivara FP, Davidson GH, Chesnut RM, Ellenbogen RG, Vavilala MS, Bulger EM, Maier RV, Arbabi S. Temporal trends in surgical intervention for severe traumatic brain injury caused by extra-axial hemorrhage, 1995 to 2012. *Neurosurgery*. 2015 Apr;76(4):451-60. doi: 10.1227/NEU.0000000000000693. PubMed PMID: 25710105.
- 646: Wang TR, Dallapiazza R, Elias WJ. Neurological applications of transcranial high intensity focused ultrasound. *Int J Hyperthermia*. 2015 May;31(3):285-91. doi: 10.3109/02656736.2015.1007398. Epub 2015 Feb 23. Review. PubMed PMID: 25703389.
- 647: Bond AE, Jane JA Sr, Liu KC, Oldfield EH. Changes in cerebrospinal fluid flow assessed using intraoperative MRI during posterior fossa decompression for Chiari malformation. *J Neurosurg*. 2015 May;122(5):1068-75. doi: 10.3171/2015.1.JNS132712. Epub 2015 Feb 20. PubMed PMID: 25699415.
- 648: Schwab F, Blondel B, Chay E, Demakakos J, Lenke L, Tropiano P, Ames C, Smith JS, Shaffrey CI, Glassman S, Farcy JP, Lafage V. The comprehensive anatomical spinal osteotomy classification. *Neurosurgery*. 2015 Mar;76 Suppl 1:S33-41; discussion S41. doi: 10.1227/01.neu.0000462076.73701.09. PubMed PMID: 25692366.
- 649: Tang JA, Scheer JK, Smith JS, Deviren V, Bess S, Hart RA, Lafage V, Shaffrey CI, Schwab F, Ames CP; ISSG. The impact of standing regional cervical sagittal alignment on outcomes in posterior cervical fusion surgery. *Neurosurgery*. 2015 Mar;76 Suppl 1:S14-21; discussion S21. doi: 10.1227/01.neu.0000462074.66077.2b. PubMed PMID: 25692364.

650: Ding D. Posterior fossa arteriovenous malformations: effect of infratentorial location on outcomes after intervention. *Clin Neurol Neurosurg*. 2015 Apr;131:89-90. doi: 10.1016/j.clineuro.2015.01.024. Epub 2015 Feb 2. PubMed PMID: 25680624.

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

652: Huang YF, Cherng YG, Hsu SP, Yeh CC, Chou YC, Wu CH, Chen TL, Liao CC. Risk and adverse outcomes of fractures in patients with Parkinson's disease: two nationwide studies. *Osteoporos Int*. 2015 Jun;26(6):1723-32. doi: 10.1007/s00198-015-3052-y. Epub 2015 Feb 12. PubMed PMID: 25672807.

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

654: Ding D. Modern management of paraclinoid aneurysms: rise of flow diversion and fall of microsurgery. *Clin Neurol Neurosurg*. 2015 Apr;131:90-1. doi: 10.1016/j.clineuro.2015.01.017. Epub 2015 Jan 28. PubMed PMID: 25662782.

655: Ding D. Controversies in the management of brainstem cavernous malformations: role of stereotactic radiosurgery. *Clin Neurol Neurosurg*. 2015 Apr;131:88-9. doi: 10.1016/j.clineuro.2015.01.019. Epub 2015 Jan 28. PubMed PMID: 25660187.

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

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

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

659: Chalouhi N, Zanaty M, Whiting A, Yang S, Tjoumakaris S, Hasan D, Starke RM, Hann S, Hammer C, Kung D, Rosenwasser R, Jabbour P. Safety and efficacy of the Pipeline Embolization Device in 100 small intracranial aneurysms. *J Neurosurg*. 2015 Jun;122(6):1498-502. doi: 10.3171/2014.12.JNS14411. Epub 2015 Jan 30. PubMed PMID: 25635478.

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

661: Herman ST, Abend NS, Bleck TP, Chapman KE, Drislane FW, Emerson RG, Gerard EE, Hahn CD, Husain AM, Kaplan PW, LaRoche SM, Nuwer MR, Quigg M, Riviello JJ, Schmitt SE, Simmons LA,

Tsuchida TN, Hirsch LJ; Critical Care Continuous EEG Task Force of the American Clinical Neurophysiology Society. Consensus statement on continuous EEG in critically ill adults and children, part I: indications. *J Clin Neurophysiol*. 2015 Apr;32(2):87-95. doi: 10.1097/WNP.0000000000000166. PubMed PMID: 25626778; PubMed Central PMCID: PMC4435533.

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

663: Soeda A, Hara A, Kunisada T, Yoshimura S, Iwama T, Park DM. The evidence of glioblastoma heterogeneity. *Sci Rep*. 2015 Jan 27;5:7979. doi: 10.1038/srep07979. Erratum in: *Sci Rep*. 2015;5:9630. PubMed PMID: 25623281; PubMed Central PMCID: PMC4306917.

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

665: Zanaty M, Chalouhi N, Barros G, Schwartz EW, Saigh MP, Starke RM, Whiting A, Tjoumakaris SI, Hasan D, Rosenwasser RH, Jabbour P. Flow-diversion for ophthalmic segment aneurysms. *Neurosurgery*. 2015 Mar;76(3):286-9; discussion 289-90. doi: 10.1227/NEU.0000000000000607. PubMed PMID: 25584955.

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

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

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

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

670: Ding D. Management of cerebral arteriovenous malformations with associated aneurysms: a proposed multimodality treatment algorithm. *Acta Neurochir (Wien)*. 2015 Feb;157(2):299-301. doi: 10.1007/s00701-014-2279-2. Epub 2014 Nov 25. PubMed PMID: 25538008.

671: Alkhalili K, Chalouhi N, Tjoumakaris S, Hasan D, Starke RM, Zanaty M, Rosenwasser RH, Jabbour P. Endovascular intervention for acute ischemic stroke in light of recent trials. *ScientificWorldJournal*. 2014;2014:429549. doi: 10.1155/2014/429549. Epub 2014 Nov 3. Review. PubMed PMID: 25531001;

PubMed Central PMCID: PMC4235257.

672: Ding D, Xu Z, Yen CP, Starke RM, Sheehan JP. Radiosurgery for unruptured cerebral arteriovenous malformations in pediatric patients. *Acta Neurochir (Wien)*. 2015 Feb;157(2):281-91. doi: 10.1007/s00701-014-2305-4. Epub 2014 Dec 17. PubMed PMID: 25514868.

673: Tyshlek D, Aubry JF, Ter Haar G, Hananel A, Foley J, Eames M, Kassell N, Simonin HH. Focused ultrasound development and clinical adoption: 2013 update on the growth of the field. *J Ther Ultrasound*. 2014 Feb 27;2:2. doi: 10.1186/2050-5736-2-2. eCollection 2014. PubMed PMID: 25512866; PubMed Central PMCID: PMC4265987.

674: Ginwalla RF, Rustin RB. The "global surgeon": is it time for modifications in the American surgical training paradigm? *J Surg Educ*. 2015 Jul-Aug;72(4):e100-3. doi: 10.1016/j.jsurg.2014.10.016. Epub 2014 Dec 12. PubMed PMID: 25500339.

675: Majersik JJ, Cole JW, Golledge J, Rost NS, Chan YF, Gurol ME, Lindgren AG, Woo D, Fernandez-Cadenas I, Chen DT, Thijs V, Worrall BB, Kamal A, Bentley P, Wardlaw JM, Ruigrok YM, Battey TW, Schmidt R, Montaner J, Giese AK, Roquer J, Jiménez-Conde J, Lee C, Ay H, Martin JJ, Rosand J, Maguire J; International Stroke Genetics Consortium. Recommendations from the international stroke genetics consortium, part 1: standardized phenotypic data collection. *Stroke*. 2015 Jan;46(1):279-84. doi: 10.1161/STROKEAHA.114.006839. Epub 2014 Dec 9. PubMed PMID: 25492903; PubMed Central PMCID: PMC4465378.

676: Ding D. Modern management of intracranial aneurysms: surgical clipping versus endovascular occlusion for ophthalmic segment aneurysms. *Clin Neurol Neurosurg*. 2015 Jan;128:130-1. doi: 10.1016/j.clineuro.2014.10.025. Epub 2014 Nov 24. PubMed PMID: 25477299.

677: Daniels AH, Ames CP, Smith JS, Hart RA. Variability in spine surgery procedures performed during orthopaedic and neurological surgery residency training: an analysis of ACGME case log data. *J Bone Joint Surg Am*. 2014 Dec 3;96(23):e196. doi: 10.2106/JBJS.M.01562. PubMed PMID: 25471922.

678: Rosenfeld W, Fountain NB, Kaubrys G, Ben-Menachem E, McShea C, Isojarvi J, Doty P; SP615 Study Investigators. Safety and efficacy of adjunctive lacosamide among patients with partial-onset seizures in a long-term open-label extension trial of up to 8 years. *Epilepsy Behav*. 2014 Dec;41:164-70. doi: 10.1016/j.yebeh.2014.09.074. Epub 2014 Oct 27. PubMed PMID: 25461210.

679: Zanaty M, Chalouhi N, Starke RM, Tjoumakaris S, Hasan D, Hann S, Ajiboye N, Liu KC, Rosenwasser RH, Manasseh P, Jabbour P. Endovascular stroke intervention in the very young. *Clin Neurol Neurosurg*. 2014 Dec;127:15-8. doi: 10.1016/j.clineuro.2014.09.022. Epub 2014 Oct 5. PubMed PMID: 25459237.

680: Claassen DO, van den Wildenberg WP, Harrison MB, van Wouwe NC, Kanoff K, Neimat JS, Wylie SA. Proficient motor impulse control in Parkinson disease patients with impulsive and compulsive behaviors. *Pharmacol Biochem Behav*. 2015 Feb;129:19-25. doi: 10.1016/j.pbb.2014.11.017. Epub 2014 Nov 29. PubMed PMID: 25459105; PubMed Central PMCID: PMC4300241.

681: Van Gompel JJ, Link MJ, Sheehan JP, Xu Z, Mathieu D, Kano H, Lunsford LD. Radiosurgery is an Effective Treatment for Recurrent Esthesioneuroblastoma: A Multicenter Study. *J Neurol Surg B Skull Base*. 2014 Dec;75(6):409-14. doi: 10.1055/s-0034-1378151. Epub 2014 Jun 4. PubMed PMID: 25452899; PubMed Central PMCID: PMC4240756.

682: Dewan R, Pemov A, Kim HJ, Morgan KL, Vasquez RA, Chittiboina P, Wang X, Chandrasekharappa SC, Ray-Chaudhury A, Butman JA, Stewart DR, Asthagiri AR. Evidence of polyclonality in

neurofibromatosis type 2-associated multilobulated vestibular schwannomas. *Neuro Oncol*. 2015 Apr;17(4):566-73. doi: 10.1093/neuonc/nou317. Epub 2014 Dec 1. PubMed PMID: 25452392; PubMed Central PMCID: PMC4483079.

683: Ding D. Predicting outcomes from radiosurgery for intracranial arteriovenous malformations: effect of embolization, prior hemorrhage, and nidus anatomy. *Neurol Sci*. 2015 Jun;36(6):1025-6. doi: 10.1007/s10072-014-2020-1. Epub 2014 Dec 2. PubMed PMID: 25452169.

684: Przybylowski CJ, Raper DM, Starke RM, Xu Z, Liu KC, Sheehan JP. Stereotactic radiosurgery of meningiomas following resection: predictors of progression. *J Clin Neurosci*. 2015 Jan;22(1):161-5. doi: 10.1016/j.jocn.2014.07.028. Epub 2014 Nov 7. PubMed PMID: 25439747.

685: Sheehan JP. Giving it your best shot. *J Neurosurg*. 2014 Dec;121 Suppl:1. doi: 10.3171/2014.6.GKS141282. PubMed PMID: 25434932.

686: Ding D. Neuroprotective effects of steroid hormones: potential applications of testosterone and estrogen for the treatment of ischemic and hemorrhagic cerebrovascular disease. *Acta Neurochir (Wien)*. 2015 May;157(5):801-2. doi: 10.1007/s00701-014-2277-4. Epub 2014 Nov 22. PubMed PMID: 25416402.

687: Starke RM, Turk A, Ding D, Crowley RW, Liu KC, Chalouhi N, Hasan DM, Dumont AS, Jabbour P, Durst CR, Turner RD. Technology developments in endovascular treatment of intracranial aneurysms. *J Neurointerv Surg*. 2016 Feb;8(2):135-44. doi: 10.1136/neurintsurg-2014-011475. Epub 2014 Nov 20. Review. PubMed PMID: 25412618.

688: Mouchtouris N, Jabbour PM, Starke RM, Hasan DM, Zanaty M, Theofanis T, Ding D, Tjoumakaris SI, Dumont AS, Ghobrial GM, Kung D, Rosenwasser RH, Chalouhi N. Biology of cerebral arteriovenous malformations with a focus on inflammation. *J Cereb Blood Flow Metab*. 2015 Feb;35(2):167-75. doi: 10.1038/jcbfm.2014.179. Epub 2014 Nov 19. Review. PubMed PMID: 25407267; PubMed Central PMCID: PMC4426734.

689: Starke RM, Komotar RJ, Connolly ES. The regulatory network of proneural glioma in tumor progression. *Neurosurgery*. 2014 Dec;75(6):N15-6. doi: 10.1227/01.neu.0000457195.86910.89. PubMed PMID: 25406622.

690: Zanaty M, Barros G, Chalouhi N, Starke RM, Manasseh P, Tjoumakaris SI, Shields CL, Hasan D, Bulsara K, Rosenwasser RH, Jabbour P. Update on intra-arterial chemotherapy for retinoblastoma. *ScientificWorldJournal*. 2014;2014:869604. doi: 10.1155/2014/869604. Epub 2014 Oct 22. Review. PubMed PMID: 25405236; PubMed Central PMCID: PMC4227378.

691: Zanaty M, Chalouhi N, Starke RM, Chitale R, Hann S, Bovenzi CD, Saigh MP, Schwartz EW, Kunkel ES, Efthimiadis-Budike AS, Jabbour P, Dalyai R, Rosenwasser RH, Tjoumakaris SI. Predictors of infections following cranioplasty: a retrospective review of a large single center study. *ScientificWorldJournal*. 2014;2014:356042. doi: 10.1155/2014/356042. Epub 2014 Oct 22. Review. PubMed PMID: 25401136; PubMed Central PMCID: PMC4221876.

692: Ajiboye N, Chalouhi N, Starke RM, Zanaty M, Bell R. Cerebral arteriovenous malformations: evaluation and management. *ScientificWorldJournal*. 2014;2014:649036. doi: 10.1155/2014/649036. Epub 2014 Oct 15. Review. PubMed PMID: 25386610; PubMed Central PMCID: PMC4216697.

693: Starke RM, Jane JA Jr, Asthagiri AR, Jane JA Sr. International rotations and resident education. *J Neurosurg*. 2015 Feb;122(2):237-9. doi: 10.3171/2014.9.JNS142171. Epub 2014 Nov 7. PubMed PMID: 25380103.

- 694: Patel A, Yang JF, Hashim PW, Travieso R, Turner J, Mayes LC, Kanev P, Duncan C, Jane J Jr, Jane J Sr, Pollack I, Losee JE, Bridgett DJ, Persing JA. The impact of age at surgery on long-term neuropsychological outcomes in sagittal craniosynostosis. *Plast Reconstr Surg*. 2014 Oct;134(4):608e-17e. doi: 10.1097/PRS.0000000000000511. PubMed PMID: 25357055.
- 695: Rutka JT. Editorial: a new look for JNSPG publications: the anatomy of redesign. *J Neurosurg*. 2015 Jan;122(1):1-3. doi: 10.3171/2014.9.JNS142259. PubMed PMID: 25343185.
- 696: Ding D. Effect of stereotactic radiosurgery on the hemorrhage risk of cerebral cavernous malformations: fact or fiction? *Acta Neurochir (Wien)*. 2015 Jan;157(1):49-50. doi: 10.1007/s00701-014-2262-y. Epub 2014 Oct 24. PubMed PMID: 25342086.
- 697: Aghaebrahim A, Leiva-Salinas C, Jadhav AP, Jankowitz B, Zaidi S, Jumaa M, Urrea X, Amorim E, Zhu G, Giurgiutiu DV, Horev A, Reddy V, Hammer M, Wechsler L, Wintermark M, Jovin T. Outcomes after endovascular treatment for anterior circulation stroke presenting as wake-up strokes are not different than those with witnessed onset beyond 8 hours. *J Neurointerv Surg*. 2015 Dec;7(12):875-80. doi: 10.1136/neurintsurg-2014-011316. Epub 2014 Oct 17. PubMed PMID: 25326003.
- 698: Smith JS, Shaffrey E, Klineberg E, Shaffrey CI, Lafage V, Schwab FJ, Protopsaltis T, Scheer JK, Mundis GM Jr, Fu KM, Gupta MC, Hostin R, Deviren V, Kebaish K, Hart R, Burton DC, Line B, Bess S, Ames CP; International Spine Study Group. Prospective multicenter assessment of risk factors for rod fracture following surgery for adult spinal deformity. *J Neurosurg Spine*. 2014 Dec;21(6):994-1003. doi: 10.3171/2014.9.SPINE131176. Epub 2014 Oct 17. PubMed PMID: 25325175.
- 699: Guckenberger M, Mantel F, Gerszten PC, Flickinger JC, Sahgal A, Létourneau D, Grills IS, Jawad M, Fahim DK, Shin JH, Winey B, Sheehan J, Kersh R. Safety and efficacy of stereotactic body radiotherapy as primary treatment for vertebral metastases: a multi-institutional analysis. *Radiat Oncol*. 2014 Oct 16;9:226. doi: 10.1186/s13014-014-0226-2. PubMed PMID: 25319530; PubMed Central PMCID: PMC4205292.
- 700: Asher AL, Speroff T, Dittus RS, Parker SL, Davies JM, Selden N, Nian H, Glassman S, Mummaneni P, Shaffrey C, Watridge C, Cheng JS, McGirt MJ. The National Neurosurgery Quality and Outcomes Database (N2QOD): a collaborative North American outcomes registry to advance value-based spine care. *Spine (Phila Pa 1976)*. 2014 Oct 15;39(22 Suppl 1):S106-16. doi: 10.1097/BRS.0000000000000579. PubMed PMID: 25299254.
- 701: Coffee and Caffeine Genetics Consortium, Cornelis MC, Byrne EM, Esko T, Nalls MA, Ganna A, Paynter N, Monda KL, Amin N, Fischer K, Renstrom F, Ngwa JS, Huikari V, Cavadino A, Nolte IM, Teumer A, Yu K, Marques-Vidal P, Rawal R, Manichaikul A, Wojczynski MK, Vink JM, Zhao JH, Burlutsky G, Lahti J, Mikkilä V, Lemaitre RN, Eriksson J, Musani SK, Tanaka T, Geller F, Luan J, Hui J, Mägi R, Dimitriou M, Garcia ME, Ho WK, Wright MJ, Rose LM, Magnusson PK, Pedersen NL, Couper D, Oostra BA, Hofman A, Ikram MA, Tiemeier HW, Uitterlinden AG, van Rooij FJ, Barroso I, Johansson I, Xue L, Kaakinen M, Milani L, Power C, Snieder H, Stolk RP, Baumeister SE, Biffar R, Gu F, Bastardot F, Kutalik Z, Jacobs DR Jr, Forouhi NG, Mihailov E, Lind L, Lindgren C, Michaëlsson K, Morris A, Jensen M, Khaw KT, Luben RN, Wang JJ, Männistö S, Perälä MM, Kähönen M, Lehtimäki T, Viikari J, Mozaffarian D, Mukamal K, Psaty BM, Döring A, Heath AC, Montgomery GW, Dahmen N, Carithers T, Tucker KL, Ferrucci L, Boyd HA, Melbye M, Treur JL, Mellström D, Hottenga JJ, Prokopenko I, Tönjes A, Deloukas P, Kanoni S, Lorentzon M, Houston DK, Liu Y, Danesh J, Rasheed A, Mason MA, Zonderman AB, Franke L, Kristal BS; International Parkinson's Disease Genomics Consortium (IPDGC); North American Brain Expression Consortium (NABEC); UK Brain Expression Consortium (UKBEC), Karjalainen J, Reed DR, Westra HJ, Evans MK, Saleheen D, Harris TB, Dedoussis G, Curhan G, Stumvoll M, Beilby J, Pasquale LR, Feenstra B, Bandinelli S, Ordovas JM, Chan AT, Peters U, Ohlsson C, Gieger C, Martin NG,

Waldenberger M, Siscovick DS, Raitakari O, Eriksson JG, Mitchell P, Hunter DJ, Kraft P, Rimm EB, Boomsma DI, Borecki IB, Loos RJ, Wareham NJ, Vollenweider P, Caporaso N, Grabe HJ, Neuhouwer ML, Wolffenbuttel BH, Hu FB, Hyppönen E, Järvelin MR, Cupples LA, Franks PW, Ridker PM, van Duijn CM, Heiss G, Metspalu A, North KE, Ingelsson E, Nettleton JA, van Dam RM, Chasman DI. Genome-wide meta-analysis identifies six novel loci associated with habitual coffee consumption. *Mol Psychiatry*. 2015 May;20(5):647-656. doi: 10.1038/mp.2014.107. Epub 2014 Oct 7. Review. PubMed PMID: 25288136; PubMed Central PMCID: PMC4388784.

702: Protopsaltis T, Schwab F, Bronsard N, Smith JS, Klineberg E, Mundis G, Ryan DJ, Hostin R, Hart R, Burton D, Ames C, Shaffrey C, Bess S, Errico T, Lafage V; International Spine Study Group. The T1 pelvic angle, a novel radiographic measure of global sagittal deformity, accounts for both spinal inclination and pelvic tilt and correlates with health-related quality of life. *J Bone Joint Surg Am*. 2014 Oct 1;96(19):1631-40. doi: 10.2106/JBJS.M.01459. PubMed PMID: 25274788.

703: Awad AJ, Jane JA Sr. Antone Tarazi: the first Palestinian neurosurgeon and the first neurosurgeon in Jordan: a neurosurgeon of two countries. *World Neurosurg*. 2014 Dec;82(6):959-62. doi: 10.1016/j.wneu.2014.09.022. Epub 2014 Sep 28. PubMed PMID: 25263256.

704: Ding D. Endovascular approaches for blister aneurysms of the internal carotid artery: Conventional stents versus flow diverters. *Clin Neurol Neurosurg*. 2014 Nov;126:210. doi: 10.1016/j.clineuro.2014.09.002. Epub 2014 Sep 16. PubMed PMID: 25262169.

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

706: Dallapiazza RF, Grober Y, Starke RM, Laws ER Jr, Jane JA Jr. Long-term results of endonasal endoscopic transsphenoidal resection of nonfunctioning pituitary macroadenomas. *Neurosurgery*. 2015 Jan;76(1):42-52; discussion 52-3. doi: 10.1227/NEU.0000000000000563. PubMed PMID: 25255271.

707: Ding D. Defining the optimal target for endovascular flow diversion using intracranial aneurysm and parent vessel morphometry. *Acta Neurochir (Wien)*. 2014 Nov;156(11):2121-3. doi: 10.1007/s00701-014-2237-z. Epub 2014 Sep 24. PubMed PMID: 25246147.

708: Ding D. Expanding the boundaries of endovascular aneurysm treatment: emerging technologies for wide-necked bifurcation aneurysms. *Acta Neurochir (Wien)*. 2015 Jun;157(6):1049-50. doi: 10.1007/s00701-014-2238-y. Epub 2014 Sep 20. PubMed PMID: 25236934.

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

710: Ding D. Neuroprotection following acute ischemic stroke: efficacy of preconditioning and antioxidants. *Neurol Sci*. 2015 Apr;36(4):631-2. doi: 10.1007/s10072-014-1947-6. Epub 2014 Sep 11. PubMed PMID: 25208921.

711: McCrea M, Guskiewicz K, Doncevic S, Helmick K, Kennedy J, Boyd C, Asmussen S, Ahn KW, Wang Y, Hoelzle J, Jaffee M. Day of injury cognitive performance on the Military Acute Concussion Evaluation

(MACE) by U.S. military service members in OEF/OIF. *Mil Med.* 2014 Sep;179(9):990-7. doi: 10.7205/MILMED-D-13-00349. PubMed PMID: 25181717.

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

713: Ryan DJ, Protopsaltis TS, Ames CP, Hostin R, Klineberg E, Mundis GM, Obeid I, Kebaish K, Smith JS, Boachie-Adjei O, Burton DC, Hart RA, Gupta M, Schwab FJ, Lafage V; International Spine Study Group. T1 pelvic angle (TPA) effectively evaluates sagittal deformity and assesses radiographical surgical outcomes longitudinally. *Spine (Phila Pa 1976).* 2014 Jul 1;39(15):1203-10. doi: 10.1097/BRS.0000000000000382. PubMed PMID: 25171068.

714: Durst CR, Khan P, Gaughen J, Patrie J, Starke RM, Conant P, Liu KC, Jensen ME, Evans AJ. Direct comparison of Neuroform and Enterprise stents in the treatment of wide-necked intracranial aneurysms. *Clin Radiol.* 2014 Dec;69(12):e471-6. doi: 10.1016/j.crad.2014.07.015. Epub 2014 Aug 29. PubMed PMID: 25168700.

715: Tandon A, Schiff D. Therapeutic decision making in patients with newly diagnosed low-grade glioma . *Curr Treat Options Oncol.* 2014 Dec;15(4):529-38. doi: 10.1007/s11864-014-0304-6. Review. PubMed PMID: 25139406.

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

717: Shaffrey CI, Smith JS. Dynamic stabilization. *J Neurosurg Spine.* 2014 Oct;21(4):582-4. doi: 10.3171/2014.5.SPINE14390. Epub 2014 Aug 1. PubMed PMID: 25084028.

718: Reames DL, Kasliwal MK, Smith JS, Hamilton DK, Arlet V, Shaffrey CI. Time to development, clinical and radiographic characteristics, and management of proximal junctional kyphosis following adult thoracolumbar instrumented fusion for spinal deformity. *J Spinal Disord Tech.* 2015 Mar;28(2):E106-14. doi: 10.1097/BSD.0000000000000158. PubMed PMID: 25075994.

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

720: Ding D. Mechanisms of cyst formation after radiosurgery for intracranial arteriovenous malformations. *Clin Neurol Neurosurg.* 2014 Sep;124:192-3. doi: 10.1016/j.clineuro.2014.06.042. Epub 2014 Jul 17. PubMed PMID: 25070227.

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

722: Zanaty M, Chalouhi N, Starke RM, Barros G, Saigh MP, Schwartz EW, Ajiboye N, Tjoumakaris SI, Hasan D, Rosenwasser RH, Jabbour P. Flow diversion versus conventional treatment for carotid cavernous aneurysms. *Stroke.* 2014 Sep;45(9):2656-61. doi: 10.1161/STROKEAHA.114.006247. Epub 2014 Jul 22. PubMed PMID: 25052318.

723: Phillips JL, Chalouhi N, Jabbour P, Starke RM, Bovenzi CD, Rosenwasser RH, Wilent WB, Romo VM, Tjoumakaris SI. Somatosensory evoked potential changes in neuroendovascular procedures: incidence and association with clinical outcome in 873 patients. *Neurosurgery*. 2014 Nov;75(5):560-7; discussion 566-7; quiz 567. doi: 10.1227/NEU.0000000000000510. PubMed PMID: 25050580.

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

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

726: Oldfield EH. Editorial: management of invasion by pituitary neuroendocrine tumors. *J Neurosurg*. 2014 Sep;121(3):501-3. doi: 10.3171/2014.5.JNS132817. Epub 2014 Jul 11. PubMed PMID: 25014439.

727: Raper D, Yen CP, Mukherjee S, Sheehan J. Decreased calcification of a petroclival meningioma after gamma knife radiosurgery. *BMJ Case Rep*. 2014 Jul 8;2014. pii: bcr2014204272. doi: 10.1136/bcr-2014-204272. PubMed PMID: 25006056; PubMed Central PMCID: PMC4091299.

728: Starke RM, Monteith SJ, Chalouhi N, Ding D, Medel R, Hasan D, Dumont AS. Advances in neurovascular treatments. *Biomed Res Int*. 2014;2014:641539. doi: 10.1155/2014/641539. Epub 2014 Jun 5. PubMed PMID: 25003124; PubMed Central PMCID: PMC4066674.

729: Buell TJ, Ding D, Starke RM, Webster Crowley R, Liu KC. Embolization-induced angiogenesis in cerebral arteriovenous malformations. *J Clin Neurosci*. 2014 Nov;21(11):1866-71. doi: 10.1016/j.jocn.2014.04.010. Epub 2014 Jul 4. Review. PubMed PMID: 25001989.

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

731: Durst CR, Starke RM, Gaughen J, Nguyen Q, Patrie J, Jensen ME, Evans AJ. Vision outcomes and major complications after endovascular coil embolization of ophthalmic segment aneurysms. *AJNR Am J Neuroradiol*. 2014 Nov-Dec;35(11):2140-5. doi: 10.3174/ajnr.A4032. Epub 2014 Jul 3. PubMed PMID: 24994822.

732: Ding D, Starke RM, Kano H, Nakaji P, Barnett GH, Mathieu D, Chiang V, Omay SB, Hess J, McBride HL, Honea N, Lee JY, Rahmathulla G, Evanoff WA, Alonso-Basanta M, Lunsford LD, Sheehan JP. Gamma knife radiosurgery for cerebellopontine angle meningiomas: a multicenter study. *Neurosurgery*. 2014 Oct;75(4):398-408; quiz 408. doi: 10.1227/NEU.0000000000000480. PubMed PMID: 24991710.

733: Wang CJ, Lee PY, Wu BN, Wu SC, Loh JK, Tsai HP, Chung CL, Kassell NF, Kwan AL. Alteration of basilar artery rho-kinase and soluble guanylyl cyclase protein expression in a rat model of cerebral vasospasm following subarachnoid hemorrhage. *Biomed Res Int*. 2014;2014:531508. doi: 10.1155/2014/531508. Epub 2014 Jun 1. PubMed PMID: 24982890; PubMed Central PMCID: PMC4058103.

734: Ding D. Delayed morbidity and mortality in aneurysmal subarachnoid hemorrhage patients: effect of attenuating cerebral vasospasm. *Neurol Sci.* 2015 Jan;36(1):171-2. doi: 10.1007/s10072-014-1863-9. Epub 2014 Jul 1. PubMed PMID: 24981283.

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

736: Raymond J, Klink R, Chagnon M, Barnwell SL, Evans AJ, Mocco J, Hoh BL, Turk AS, Turner RD, Desal H, Fiorella D, Bracard S, Weill A, Guilbert F, Roy D; PRET Collaborative Group. Patients prone to recurrence after endovascular treatment: periprocedural results of the PRET randomized trial on large and recurrent aneurysms. *AJNR Am J Neuroradiol.* 2014 Sep;35(9):1667-76. doi: 10.3174/ajnr.A4035. Epub 2014 Jun 19. PubMed PMID: 24948508.

737: Ding D. Endovascular approaches for morphologically unfavorable intracranial aneurysms: adjunctive coiling techniques versus flow diversion. *Acta Neurochir (Wien).* 2014 Sep;156(9):1701-2. doi: 10.1007/s00701-014-2144-3. Epub 2014 Jun 17. PubMed PMID: 24934482.

738: Chung CL, Tsai HP, Tsai CY, Chen WT, Lieu AS, Wang CJ, Sheehan J, Chai CY, Kwan AL. Differential hypermethylation of death-associated protein kinase promoter in central neurocytoma and oligodendroglioma. *Biomed Res Int.* 2014;2014:506458. doi: 10.1155/2014/506458. Epub 2014 Apr 27. PubMed PMID: 24877104; PubMed Central PMCID: PMC4022162.

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

740: Starke RM, Kassell NF. The link between hyperoxia, delayed cerebral ischaemia and poor outcome after aneurysmal SAH: association or therapeutic endeavour. *J Neurol Neurosurg Psychiatry.* 2014 Dec;85(12):1292. doi: 10.1136/jnnp-2014-308326. Epub 2014 May 29. PubMed PMID: 24876184.

741: Lee CC, Chen CJ, Yen CP, Xu Z, Schlesinger D, Fezeu F, Sheehan JP. Whole-sellar stereotactic radiosurgery for functioning pituitary neuroendocrine tumors. *Neurosurgery.* 2014 Sep;75(3):227-37; discussion 237. doi: 10.1227/NEU.0000000000000425. PubMed PMID: 24867204.

742: Fu KM, Bess S, Shaffrey CI, Smith JS, Lafage V, Schwab F, Burton DC, Akbarnia BA, Ames CP, Boachie-Adjei O, Deverin V, Hart RA, Hostin R, Klineberg E, Gupta M, Kebaish K, Mundis G, Mummaneni PV; International Spine Study Group. Patients with adult spinal deformity treated operatively report greater baseline pain and disability than patients treated nonoperatively; however, deformities differ between age groups. *Spine (Phila Pa 1976).* 2014 Aug 1;39(17):1401-7. doi: 10.1097/BRS.0000000000000414. PubMed PMID: 24859590.

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

744: Shaffrey CI, Smith JS. Depression and outcome. *J Neurosurg Spine.* 2014 Aug;21(2):150-2. doi: 10.3171/2013.11.SPINE13502. Epub 2014 May 16. PubMed PMID: 24836660.

- 745: Komotar RJ, Starke RM, Connolly ES. A randomized clinical trial of vascular endothelial growth factor inhibition in the treatment of glioblastoma multiforme. *Neurosurgery*. 2014 Jun;74(6):N14-7. doi: 10.1227/01.neu.0000450233.06740.a6. PubMed PMID: 24836101.
- 746: Floyd DH, Zhang Y, Dey BK, Kefas B, Breit H, Marks K, Dutta A, Herold-Mende C, Synowitz M, Glass R, Abounader R, Purow BW. Novel anti-apoptotic microRNAs 582-5p and 363 promote human glioblastoma stem cell survival via direct inhibition of caspase 3, caspase 9, and Bim. *PLoS One*. 2014 May 7;9(5):e96239. doi: 10.1371/journal.pone.0096239. eCollection 2014. PubMed PMID: 24805821; PubMed Central PMCID: PMC4013090.
- 747: Hashim PW, Patel A, Yang JF, Travieso R, Turner J, Losee JE, Pollack I, Jane J Sr, Jane J Jr, Kanev P, Mayes L, Duncan C, Bridgett DJ, Persing JA. The effects of whole-vault cranioplasty versus strip craniectomy on long-term neuropsychological outcomes in sagittal craniosynostosis. *Plast Reconstr Surg*. 2014 Sep;134(3):491-501. doi: 10.1097/PRS.0000000000000420. PubMed PMID: 24804639.
- 748: Gibson-Corley KN, Flouty O, Oya H, Gillies GT, Howard MA. Postsurgical pathologies associated with intradural electrical stimulation in the central nervous system: design implications for a new clinical device. *Biomed Res Int*. 2014;2014:989175. doi: 10.1155/2014/989175. Epub 2014 Apr 1. Review. PubMed PMID: 24800260; PubMed Central PMCID: PMC3988712.
- 749: Ding D. Intracranial stenting for large vessel recanalization in acute ischemic stroke. *Clin Neurol Neurosurg*. 2014 Jul;122:129. doi: 10.1016/j.clineuro.2014.04.009. Epub 2014 Apr 18. PubMed PMID: 24792754.
- 750: Shaffrey CI, Smith JS. Medical management. *J Neurosurg Spine*. 2014 Aug;21(2):141-2. doi: 10.3171/2013.11.SPINE13496. Epub 2014 May 2. PubMed PMID: 24785970.
- 751: Shaffrey CI, Smith JS. Editorial: Incremental cost-effectiveness of adult spinal deformity surgery. *Neurosurg Focus*. 2014 May;36(5):E4. doi: 10.3171/2014.3.FOCUS14115. PubMed PMID: 24785486.
- 752: Moal B, Schwab F, Ames CP, Smith JS, Ryan D, Mummaneni PV, Mundis GM Jr, Terran JS, Klineberg E, Hart RA, Boachie-Adjei O, Shaffrey CI, Skalli W, Lafage V; International Spine Study Group. Radiographic Outcomes of Adult Spinal Deformity Correction: A Critical Analysis of Variability and Failures Across Deformity Patterns. *Spine Deform*. 2014 May;2(3):219-225. doi: 10.1016/j.jspd.2014.01.003. Epub 2014 May 8. PubMed PMID: 27927422.
- 753: Smith JS, Singh M, Klineberg E, Shaffrey CI, Lafage V, Schwab FJ, Protopsaltis T, Ibrahimi D, Scheer JK, Mundis G Jr, Gupta MC, Hostin R, Deviren V, Kebaish K, Hart R, Burton DC, Bess S, Ames CP; International Spine Study Group. Surgical treatment of pathological loss of lumbar lordosis (flatback) in patients with normal sagittal vertical axis achieves similar clinical improvement as surgical treatment of elevated sagittal vertical axis: clinical article. *J Neurosurg Spine*. 2014 Aug;21(2):160-70. doi: 10.3171/2014.3.SPINE13580. Epub 2014 Apr 25. PubMed PMID: 24766290.
- 754: Lee CC, Wintermark M, Xu Z, Yen CP, Schlesinger D, Sheehan JP. Application of diffusion-weighted magnetic resonance imaging to predict the intracranial metastatic tumor response to gamma knife radiosurgery. *J Neurooncol*. 2014 Jun;118(2):351-361. doi: 10.1007/s11060-014-1439-9. Epub 2014 Apr 24. PubMed PMID: 24760414.
- 755: Brady ML, Raghavan R, Singh D, Anand PJ, Fleisher AS, Mata J, Broaddus WC, Olbricht WL. In vivo performance of a microfabricated catheter for intraparenchymal delivery. *J Neurosci Methods*. 2014 May 30;229:76-83. doi: 10.1016/j.jneumeth.2014.03.016. Epub 2014 Apr 18. PubMed PMID: 24747536.

- 756: Oh JK, Smith JS, Shaffrey CI, Lafage V, Schwab F, Ames CP, Matsumoto M, Baik JS, Ha Y. Sagittal spinopelvic malalignment in Parkinson disease: prevalence and associations with disease severity. *Spine (Phila Pa 1976)*. 2014 Jun 15;39(14):E833-41. doi: 10.1097/BRS.0000000000000366. PubMed PMID: 24732854.
- 757: Kim HJ, Boachie-Adjei O, Shaffrey CI, Schwab F, Lafage V, Bess S, Gupta MC, Smith JS, Deviren V, Akbarnia B, Mundis GM, O'Brien M, Hostin R, Ames C; International Spine Study Group. Upper thoracic versus lower thoracic upper instrumented vertebrae endpoints have similar outcomes and complications in adult scoliosis. *Spine (Phila Pa 1976)*. 2014 Jun 1;39(13):E795-9. doi: 10.1097/BRS.0000000000000339. PubMed PMID: 24732840.
- 758: Harnof S, Zibly Z, Hananel A, Monteith S, Grinfeld J, Schiff G, Kulbatski I, Kassell N. Potential of magnetic resonance-guided focused ultrasound for intracranial hemorrhage: an in vivo feasibility study. *J Stroke Cerebrovasc Dis*. 2014 Jul;23(6):1585-91. doi: 10.1016/j.jstrokecerebrovasdis.2013.12.044. Epub 2014 Apr 13. PubMed PMID: 24725813.
- 759: Ding D, Starke RM, Dumont AS, Owens GK, Hasan DM, Chalouhi N, Medel R, Lin CL. Therapeutic implications of estrogen for cerebral vasospasm and delayed cerebral ischemia induced by aneurysmal subarachnoid hemorrhage. *Biomed Res Int*. 2014;2014:727428. doi: 10.1155/2014/727428. Epub 2014 Mar 2. Review. PubMed PMID: 24724095; PubMed Central PMCID: PMC3958795.
- 760: Raper DM, Starke RM, Henderson F Jr, Ding D, Simon S, Evans AJ, Jane JA Sr, Liu KC. Preoperative embolization of intracranial meningiomas: efficacy, technical considerations, and complications. *AJNR Am J Neuroradiol*. 2014 Sep;35(9):1798-804. doi: 10.3174/ajnr.A3919. Epub 2014 Apr 10. PubMed PMID: 24722303.
- 761: Liu S, Schwab F, Smith JS, Klineberg E, Ames CP, Mundis G, Hostin R, Kebaish K, Deviren V, Gupta M, Boachie-Adjei O, Hart RA, Bess S, Lafage V. Likelihood of reaching minimal clinically important difference in adult spinal deformity: a comparison of operative and nonoperative treatment. *Ochsner J*. 2014 Spring;14(1):67-77. PubMed PMID: 24688336; PubMed Central PMCID: PMC3963055.
- 762: Ding D. Effect of SAMMPRIS on endovascular interventions for intracranial atherosclerosis. *Clin Neurol Neurosurg*. 2014 May;120:145. doi: 10.1016/j.clineuro.2014.02.027. Epub 2014 Mar 12. PubMed PMID: 24680398.
- 763: Starke RM, Durst CR, Evans A, Ding D, Raper DM, Jensen ME, Crowley RW, Liu KC. Endovascular treatment of unruptured wide-necked intracranial aneurysms: comparison of dual microcatheter technique and stent-assisted coil embolization. *J Neurointerv Surg*. 2015 Apr;7(4):256-61. doi: 10.1136/neurintsurg-2014-011159. Epub 2014 Mar 25. PubMed PMID: 24668256.
- 764: Ding D. Assessment of elastin degradation as a surrogate measurement of atherosclerotic plaque stability. *Clin Neurol Neurosurg*. 2014 Jun;121:76-7. doi: 10.1016/j.clineuro.2014.01.028. Epub 2014 Mar 1. PubMed PMID: 24661719.
- 765: Durst CR, Geraghty SR, Southerland AM, Starke RM, Rembold K, Malik S, Wintermark M, Liu KC, Crowley RW, Gaughen J, Jensen ME, Evans AJ. Stenting of symptomatic intracranial stenosis using balloon mounted coronary stents: a single center experience. *J Neurointerv Surg*. 2015 Apr;7(4):245-9. doi: 10.1136/neurintsurg-2014-011185. Epub 2014 Mar 19. PubMed PMID: 24646693.
- 766: Jain R, Poisson LM, Gutman D, Scarpace L, Hwang SN, Holder CA, Wintermark M, Rao A, Colen RR, Kirby J, Freymann J, Jaffe CC, Mikkelsen T, Flanders A. Outcome prediction in patients with glioblastoma by using imaging, clinical, and genomic biomarkers: focus on the nonenhancing

component of the tumor. *Radiology*. 2014 Aug;272(2):484-93. doi: 10.1148/radiol.14131691. Epub 2014 Mar 19. PubMed PMID: 24646147; PubMed Central PMCID: PMC4263660.

767: Ding D, Starke RM. Evidence-based optimization of the management of intracranial atherosclerotic disease. *Neurol Sci*. 2014 Aug;35(8):1311-2. doi: 10.1007/s10072-014-1722-8. Epub 2014 Mar 19. PubMed PMID: 24643581.

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

769: Thomas BT, Levy WB. Neuronal dynamics during the learning of trace conditioning in a CA3 model of hippocampal function. *Cogn Neurodyn*. 2014 Apr;8(2):127-41. doi: 10.1007/s11571-013-9271-z. Epub 2013 Oct 22. PubMed PMID: 24624232; PubMed Central PMCID: PMC3945458.

770: Zhang Y, Schiff D, Park D, Abounader R. MicroRNA-608 and microRNA-34a regulate chordoma malignancy by targeting EGFR, Bcl-xL and MET. *PLoS One*. 2014 Mar 12;9(3):e91546. doi: 10.1371/journal.pone.0091546. eCollection 2014. PubMed PMID: 24621885; PubMed Central PMCID: PMC3951453.

771: Wintermark M, Huss DS, Shah BB, Tustison N, Druzgal TJ, Kassell N, Elias WJ. Thalamic connectivity in patients with essential tremor treated with MR imaging-guided focused ultrasound: in vivo fiber tracking by using diffusion-tensor MR imaging. *Radiology*. 2014 Jul;272(1):202-9. doi: 10.1148/radiol.14132112. Epub 2014 Mar 9. PubMed PMID: 24620914.

772: Maier SP, Smith JS, Schwab FJ, Obeid I, Mundis GM, Klineberg E, Hostin R, Hart RA, Burton D, Boachie-Adjei O, Gupta M, Ames C, Protosaltis TS, Lafage V; International Spine Study Group. Revision Surgery After 3-Column Osteotomy in 335 Patients With Adult Spinal Deformity: Intercenter Variability and Risk Factors. *Spine (Phila Pa 1976)*. 2014 May 15;39(11):881-885. doi: 10.1097/BRS.0000000000000304. PubMed PMID: 24583729.

773: Ding D. Management of coexistent intracranial aneurysms and extracranial carotid atherosclerotic disease. *Clin Neurol Neurosurg*. 2014 May;120:143. doi: 10.1016/j.clineuro.2013.12.027. Epub 2014 Feb 6. PubMed PMID: 24582610.

774: Dalyai R, Theofanis T, Starke RM, Chalouhi N, Ghobrial G, Jabbour P, Dumont AS, Fernando Gonzalez L, Gordon DS, Rosenwasser RH, Tjoumakaris SI. Stereotactic radiosurgery with neoadjuvant embolization of larger arteriovenous malformations: an institutional experience. *Biomed Res Int*. 2014;2014:306518. doi: 10.1155/2014/306518. Epub 2014 Jan 22. PubMed PMID: 24579080; PubMed Central PMCID: PMC3919115.

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

776: Voleti PB, Shen FH, Arlet V. Failure of Monoaxial Pedicle Screws at the Distal End of Scoliosis Constructs: A Case Series. *Spine Deform*. 2014 Mar;2(2):110-121. doi: 10.1016/j.jspd.2013.11.004. Epub 2014 Mar 5. PubMed PMID: 27927377.

777: Ding D. Role of endothelial progenitor cells in cerebral aneurysm pathogenesis. *Neurol Sci*. 2014 Jun;35(6):945-6. doi: 10.1007/s10072-014-1680-1. Epub 2014 Feb 18. PubMed PMID: 24535452.

778: Ding D, Starke RM, Evans AJ, Jensen ME, Liu KC. Endovascular treatment of recurrent intracranial aneurysms following previous microsurgical clipping with the Pipeline Embolization Device. *J Clin Neurosci*. 2014 Jul;21(7):1241-4. doi: 10.1016/j.jocn.2013.12.008. Epub 2014 Jan 3. PubMed PMID: 24529950.

779: Ding D. Endovascular treatment approaches for posterior communicating artery aneurysms: effect of stents on outcomes. *Clin Neurol Neurosurg*. 2014 Apr;119:134-5. doi: 10.1016/j.clineuro.2013.12.024. Epub 2014 Jan 27. PubMed PMID: 24529475.

780: Shaffrey CI, Smith JS. Nonoperative care to manage the sacroiliac joint. *J Neurosurg Spine*. 2014 Apr;20(4):351-2. doi: 10.3171/2013.9.SPINE13501. Epub 2014 Feb 14. PubMed PMID: 24527828.

781: Feng C, Zhang Y, Yin J, Li J, Abounader R, Zuo Z. Regulatory factor X1 is a new tumor suppressive transcription factor that acts via direct downregulation of CD44 in glioblastoma. *Neuro Oncol*. 2014 Aug;16(8):1078-85. doi: 10.1093/neuonc/nou010. Epub 2014 Feb 12. PubMed PMID: 24526308; PubMed Central PMCID: PMC4096175.

782: Ding D, Raper DM, Carswell AJ, Liu KC. Endovascular stenting for treatment of mycotic intracranial aneurysms. *J Clin Neurosci*. 2014 Jul;21(7):1163-8. doi: 10.1016/j.jocn.2013.11.013. Epub 2013 Dec 14. Review. PubMed PMID: 24518267.

783: Kaley T, Barani I, Chamberlain M, McDermott M, Panageas K, Raizer J, Rogers L, Schiff D, Vogelbaum M, Weber D, Wen P. Historical benchmarks for medical therapy trials in surgery- and radiation-refractory meningioma: a RANO review. *Neuro Oncol*. 2014 Jun;16(6):829-40. doi: 10.1093/neuonc/not330. Epub 2014 Feb 4. Review. PubMed PMID: 24500419; PubMed Central PMCID: PMC4022224.

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

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

786: McCarthy IM, Hostin RA, Ames CP, Kim HJ, Smith JS, Boachie-Adjei O, Schwab FJ, Klineberg EO, Shaffrey CI, Gupta MC, Polly DW; International Spine Study Group. Total hospital costs of surgical treatment for adult spinal deformity: an extended follow-up study. *Spine J*. 2014 Oct 1;14(10):2326-33. doi: 10.1016/j.spinee.2014.01.032. Epub 2014 Jan 24. PubMed PMID: 24469004.

787: Zhang Y, Kim J, Mueller AC, Dey B, Yang Y, Lee DH, Hachmann J, Finderle S, Park DM, Christensen J, Schiff D, Purow B, Dutta A, Abounader R. Multiple receptor tyrosine kinases converge on microRNA-134 to control KRAS, STAT5B, and glioblastoma. *Cell Death Differ*. 2014 May;21(5):720-34. doi: 10.1038/cdd.2013.196. Epub 2014 Jan 17. Erratum in: *Cell Death Differ*. 2018 Jun 13;:. PubMed PMID: 24440911; PubMed Central PMCID: PMC3978301.

- 788: Shaffrey E, Smith JS, Lenke LG, Polly DW Jr, Chen CJ, Coe JD, Broadstone PA, Glassman SD, Vaccaro AR, Ames CP, Shaffrey CI. Defining rates and causes of mortality associated with spine surgery: comparison of 2 data collection approaches through the Scoliosis Research Society. *Spine (Phila Pa 1976)*. 2014 Apr 1;39(7):579-86. doi: 10.1097/BRS.0000000000000201. PubMed PMID: 24430719.
- 789: Kim J, Zhang Y, Skalski M, Hayes J, Kefas B, Schiff D, Purow B, Parsons S, Lawler S, Abounader R. microRNA-148a is a prognostic oncomiR that targets MIG6 and BIM to regulate EGFR and apoptosis in glioblastoma. *Cancer Res*. 2014 Mar 1;74(5):1541-53. doi: 10.1158/0008-5472.CAN-13-1449. Epub 2014 Jan 14. PubMed PMID: 24425048; PubMed Central PMCID: PMC3947487.
- 790: Ding D. Distinguishing clinical outcomes between aneurysmal versus nonaneurysmal subarachnoid hemorrhage. *Clin Neurol Neurosurg*. 2014 Feb;117:120. doi: 10.1016/j.clineuro.2013.08.034. Epub 2013 Dec 18. PubMed PMID: 24398070.
- 791: Zanaty M, Chalouhi N, Starke RM, Tjoumakaris S, Gonzalez LF, Hasan D, Rosenwasser R, Jabbour P. Endovascular treatment of cerebral mycotic aneurysm: a review of the literature and single center experience. *Biomed Res Int*. 2013;2013:151643. doi: 10.1155/2013/151643. Epub 2013 Dec 9. Review. PubMed PMID: 24383049; PubMed Central PMCID: PMC3872026.
- 792: Kung DK, Chalouhi N, Jabbour PM, Starke RM, Dumont AS, Winn HR, Howard MA 3rd, Hasan DM. Cerebral blood flow dynamics and head-of-bed changes in the setting of subarachnoid hemorrhage. *Biomed Res Int*. 2013;2013:640638. doi: 10.1155/2013/640638. Epub 2013 Nov 25. PubMed PMID: 24371827; PubMed Central PMCID: PMC3859207.
- 793: Wintermark M, Druzgal J, Huss DS, Khaled MA, Monteith S, Raghavan P, Huerta T, Schweickert LC, Burkholder B, Loomba JJ, Zadicario E, Qiao Y, Shah B, Snell J, Eames M, Frysinger R, Kassell N, Elias WJ. Imaging findings in MR imaging-guided focused ultrasound treatment for patients with essential tremor. *AJNR Am J Neuroradiol*. 2014 May;35(5):891-6. doi: 10.3174/ajnr.A3808. Epub 2013 Dec 26. PubMed PMID: 24371027.
- 794: Schwab F, Blondel B, Chay E, Demakakos J, Lenke L, Tropicano P, Ames C, Smith JS, Shaffrey CI, Glassman S, Farcy JP, Lafage V. The comprehensive anatomical spinal osteotomy classification. *Neurosurgery*. 2014 Jan;74(1):112-20; discussion 120. doi: 10.1227/NEU.0000000000000182o. PubMed PMID: 24356197.
- 795: Ding D, Kreitel D, Liu KC. Onyx embolization of an intracranial hemangiopericytoma by direct transcranial puncture. *Interv Neuroradiol*. 2013 Dec;19(4):466-70. Epub 2013 Dec 18. PubMed PMID: 24355151; PubMed Central PMCID: PMC3902746.
- 796: Gaughen JR, Starke RM, Durst CR, Evans AJ, Jensen ME. Persistent trigeminal artery: in situ thrombosis and associated perforating vessel infarction. *J Clin Neurosci*. 2014 Jun;21(6):1075-7. doi: 10.1016/j.jocn.2013.10.016. Epub 2013 Nov 13. PubMed PMID: 24351576.
- 797: Ding D, Starke RM, Crowley RW, Liu KC. Role of stenting for intracranial atherosclerosis in the post-SAMMPRIS era. *Biomed Res Int*. 2013;2013:304320. doi: 10.1155/2013/304320. Epub 2013 Nov 20. Review. PubMed PMID: 24350256; PubMed Central PMCID: PMC3853799.
- 798: Smith JS, Kepler CK, Kopjar B, Harrop JS, Arnold P, Chapman JR, Fehlings MG, Vaccaro AR, Shaffrey CI. Effect of type II odontoid fracture nonunion on outcome among elderly patients treated without surgery: based on the AOSpine North America geriatric odontoid fracture study. *Spine (Phila Pa 1976)*. 2013 Dec 15;38(26):2240-6. doi: 10.1097/BRS.0000000000000009. PubMed PMID: 24335630.

799: Barr JD, Jensen ME, Hirsch JA, McGraw JK, Barr RM, Brook AL, Meyers PM, Munk PL, Murphy KJ, O'Toole JE, Rasmussen PA, Ryken TC, Sanelli PC, Schwartzberg MS, Seidenwurm D, Tutton SM, Zoarski GH, Kuo MD, Rose SC, Cardella JF; Society of Interventional Radiology; American Association of Neurological Surgeons; Congress of Neurological Surgeons; American College of Radiology; American Society of Neuroradiology; American Society of Spine Radiology; Canadian Interventional Radiology Association; Society of Neurointerventional Surgery. Position statement on percutaneous vertebral augmentation: a consensus statement developed by the Society of Interventional Radiology (SIR), American Association of Neurological Surgeons (AANS) and the Congress of Neurological Surgeons (CNS), American College of Radiology (ACR), American Society of Neuroradiology (ASNR), American Society of Spine Radiology (ASSR), Canadian Interventional Radiology Association (CIRA), and the Society of NeuroInterventional Surgery (SNIS). *J Vasc Interv Radiol*. 2014 Feb;25(2):171-81. doi: 10.1016/j.jvir.2013.10.001. Epub 2013 Dec 8. PubMed PMID: 24325929.

800: Ding D. Effect of antithrombotic state on clinical outcomes following angiography negative subarachnoid hemorrhage. *Clin Neurol Neurosurg*. 2014 Jan;116:108. doi: 10.1016/j.clineuro.2013.10.026. Epub 2013 Nov 14. PubMed PMID: 24290769.

801: Ding D. Microsurgical resection versus endovascular embolization for acutely ruptured cerebellar arteriovenous malformations. *Clin Neurol Neurosurg*. 2014 Jan;116:105. doi: 10.1016/j.clineuro.2013.10.025. Epub 2013 Nov 8. PubMed PMID: 24269049.

802: Ding D. Impact of anticoagulant and antiplatelet therapy on procedural hemorrhage rates following endovascular treatment of ruptured intracranial aneurysms. *Clin Neurol Neurosurg*. 2014 Jan;116:104-5. doi: 10.1016/j.clineuro.2013.08.032. Epub 2013 Nov 8. PubMed PMID: 24269047.

803: Ding D. Neurological deficits secondary to unruptured intracranial aneurysms: recovery following microsurgical clipping versus endovascular coil embolization. *Clin Neurol Neurosurg*. 2014 Jan;116:106. doi: 10.1016/j.clineuro.2013.10.024. Epub 2013 Nov 8. PubMed PMID: 24269046.

804: Ding D. Potential role of flow-diverting stents for posterior cerebral artery aneurysms. *Clin Neurol Neurosurg*. 2014 Jan;116:106-7. doi: 10.1016/j.clineuro.2013.10.023. Epub 2013 Nov 8. PubMed PMID: 24269045.

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

806: Alberts MJ, Wechsler LR, Jensen ME, Latchaw RE, Crocco TJ, George MG, Baranski J, Bass RR, Ruff RL, Huang J, Mancini B, Gregory T, Gress D, Emr M, Warren M, Walker MD. Formation and function of acute stroke-ready hospitals within a stroke system of care recommendations from the brain attack coalition. *Stroke*. 2013 Dec;44(12):3382-93. doi: 10.1161/STROKEAHA.113.002285. Epub 2013 Nov 12. PubMed PMID: 24222046.

807: Ding D. Role of surgical evacuation in the management of giant hypertensive intracerebral hemorrhage. *Clin Neurol Neurosurg*. 2013 Dec;115(12):2555-6. doi: 10.1016/j.clineuro.2013.09.041. Epub 2013 Oct 15. PubMed PMID: 24184065.

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

809: Sherman JH, Kirzner J, Siu A, Amos S, Hussaini IM. Sorafenib tosylate as a radiosensitizer in

malignant astrocytoma. *J Clin Neurosci*. 2014 Jan;21(1):131-6. doi: 10.1016/j.jocn.2013.04.010. Epub 2013 Oct 18. PubMed PMID: 24139873.

810: Ding D. Clinical impact and therapeutic implications of cerebral microbleeds in patients on warfarin. *Clin Neurol Neurosurg*. 2013 Dec;115(12):2553-4. doi: 10.1016/j.clineuro.2013.09.006. Epub 2013 Sep 20. PubMed PMID: 24139629.

811: Chalouhi N, Jabbour P, Starke RM, Hasan DM. Aspirin for prophylaxis against cerebral aneurysm rupture. *World Neurosurg*. 2014 Jan;81(1):e2-3. doi: 10.1016/j.wneu.2013.10.010. Epub 2013 Oct 8. PubMed PMID: 24120928.

812: Su BW, Shimer AL, Chinthakunta S, Salloum K, Ames CP, Vaccaro AR, Bucklen B. Comparison of fatigue strength of C2 pedicle screws, C2 pars screws, and a hybrid construct in C1-C2 fixation. *Spine (Phila Pa 1976)*. 2014 Jan 1;39(1):E12-9. doi: 10.1097/BRS.0000000000000063. PubMed PMID: 24108297.

813: Ding D. Microsurgical versus endovascular treatment of ruptured intracranial aneurysms in young patients. *Clin Neurol Neurosurg*. 2013 Nov;115(11):2400-1. doi: 10.1016/j.clineuro.2013.07.041. Epub 2013 Sep 16. PubMed PMID: 24103629.

814: Ding D. Endovascular versus microsurgical treatment of small intracranial aneurysms presenting with subarachnoid hemorrhage. *Clin Neurol Neurosurg*. 2013 Nov;115(11):2402-3. doi: 10.1016/j.clineuro.2013.08.030. Epub 2013 Sep 20. PubMed PMID: 24103628.

815: Jane JA Jr, Krieger MD, Cohen AR. Management of plagiocephaly. *Neurosurg Focus*. 2013 Oct;35(4):Introduction. doi: 10.3171/2013.8.FOCUS13322. PubMed PMID: 24079786.

816: Dinca EB, Ciurea AV, Valéry CA. In memoriam Ladislau Steiner, neurosurgeon: some people from transylvania do live forever. *World Neurosurg*. 2014 Jan;81(1):12-4. doi: 10.1016/j.wneu.2013.09.043. Epub 2013 Sep 27. PubMed PMID: 24076211.

817: Smith JS, Sidhu G, Bode K, Gendelberg D, Maltenfort M, Ibrahimi D, Shaffrey CI, Vaccaro AR. Operative and nonoperative treatment approaches for lumbar degenerative disc disease have similar long-term clinical outcomes among patients with positive discography. *World Neurosurg*. 2014 Nov;82(5):872-8. doi: 10.1016/j.wneu.2013.09.013. Epub 2013 Sep 15. PubMed PMID: 24047821.

818: Lee DH, Lee CS, Kim DW, Ae JE, Lee TH. Digitoxin sensitizes glioma cells to TRAIL-mediated apoptosis by upregulation of death receptor 5 and downregulation of survivin. *Anticancer Drugs*. 2014 Jan;25(1):44-52. doi: 10.1097/CAD.0000000000000015. PubMed PMID: 24045365.

819: Chalouhi N, Jabbour P, Hasan D, Starke RM. Aspirin for prevention of subarachnoid hemorrhage: the stage is set for a randomized controlled trial. *Neurosurgery*. 2014 Jan;74(1):E147-8. doi: 10.1227/NEU.0000000000000164. PubMed PMID: 24030178.

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

821: Shamji MF, Ames CP, Smith JS, Rhee JM, Chapman JR, Fehlings MG. Myelopathy and spinal deformity: relevance of spinal alignment in planning surgical intervention for degenerative cervical myelopathy. *Spine (Phila Pa 1976)*. 2013 Oct 15;38(22 Suppl 1):S147-8. doi:

10.1097/BRS.0b013e3182a7f521. PubMed PMID: 23963013.

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

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

824: Smith JS, Lafage V, Ryan DJ, Shaffrey CI, Schwab FJ, Patel AA, Brodke DS, Arnold PM, Riew KD, Traynelis VC, Radcliff K, Vaccaro AR, Fehlings MG, Ames CP. Association of myelopathy scores with cervical sagittal balance and normalized spinal cord volume: analysis of 56 preoperative cases from the AOSpine North America Myelopathy study. *Spine (Phila Pa 1976)*. 2013 Oct 15;38(22 Suppl 1):S161-70. doi: 10.1097/BRS.0b013e3182a7eb9e. PubMed PMID: 23963001.

825: Yoon ST, Raich A, Hashimoto RE, Riew KD, Shaffrey CI, Rhee JM, Tetreault LA, Skelly AC, Fehlings MG. Predictive factors affecting outcome after cervical laminoplasty. *Spine (Phila Pa 1976)*. 2013 Oct 15;38(22 Suppl 1):S232-52. doi: 10.1097/BRS.0b013e3182a7eb55. Review. PubMed PMID: 23962999.

826: Ding D, Mehta GU, Liu KC. Pituitary insufficiency from large unruptured supraclinoid internal carotid artery aneurysm. *Br J Neurosurg*. 2014 Apr;28(2):290-2. doi: 10.3109/02688697.2013.829559. Epub 2013 Aug 14. PubMed PMID: 23944707.

827: Elias WJ, Huss D, Voss T, Loomba J, Khaled M, Zadicario E, Frysinger RC, Sperling SA, Wylie S, Monteith SJ, Druzgal J, Shah BB, Harrison M, Wintermark M. A pilot study of focused ultrasound thalamotomy for essential tremor. *N Engl J Med*. 2013 Aug 15;369(7):640-8. doi: 10.1056/NEJMoa1300962. PubMed PMID: 23944301.

828: Ding D, Liu KC. Management strategies for intraprocedural coil migration during endovascular treatment of intracranial aneurysms. *J Neurointerv Surg*. 2014 Jul;6(6):428-31. doi: 10.1136/neurintsurg-2013-010872. Epub 2013 Aug 6. Review. PubMed PMID: 23921713.

829: Wintermark M, Sanelli PC, Albers GW, Bello J, Derdeyn C, Hetts SW, Johnson MH, Kidwell C, Lev MH, Liebeskind DS, Rowley H, Schaefer PW, Sunshine JL, Zaharchuk G, Meltzer CC. Imaging recommendations for acute stroke and transient ischemic attack patients: A joint statement by the American Society of Neuroradiology, the American College of Radiology, and the Society of NeuroInterventional Surgery. *AJNR Am J Neuroradiol*. 2013 Nov-Dec;34(11):E117-27. doi: 10.3174/ajnr.A3690. Epub 2013 Aug 1. PubMed PMID: 23907247; PubMed Central PMCID: PMC4072500.

830: Leksell D, Lindquist CE. Ladislau Steiner, 1920-2013. *J Neurosurg*. 2013 Sep;119(3):785-8. doi: 10.3171/2013.4.JNS13564. Epub 2013 Jul 19. PubMed PMID: 23870016.

831: Ding D, Yen CP, Xu Z, Starke RM, Sheehan JP. Radiosurgery for primary motor and sensory cortex arteriovenous malformations: outcomes and the effect of eloquent location. *Neurosurgery*. 2013 Nov;73(5):816-24; discussion 824. doi: 10.1227/NEU.0000000000000106. PubMed PMID: 23867301.

832: Chen CJ, Saulle D, Fu KM, Smith JS, Shaffrey CI. Dysphagia following combined anterior-posterior cervical spine surgeries. *J Neurosurg Spine*. 2013 Sep;19(3):279-87. doi:

10.3171/2013.6.SPINE121134. Epub 2013 Jul 12. Review. PubMed PMID: 23848353.

833: Ding D. Implications of pathological vascular changes following radiosurgery for intracranial arteriovenous malformations. *Clin Neurol Neurosurg.* 2013 Oct;115(10):2308-9. doi: 10.1016/j.clineuro.2013.05.024. Epub 2013 Jun 24. PubMed PMID: 23806572.

834: Smith JS, Klineberg E, Schwab F, Shaffrey CI, Moal B, Ames CP, Hostin R, Fu KM, Burton D, Akbarnia B, Gupta M, Hart R, Bess S, Lafage V; International Spine Study Group. Change in classification grade by the SRS-Schwab Adult Spinal Deformity Classification predicts impact on health-related quality of life measures: prospective analysis of operative and nonoperative treatment. *Spine (Phila Pa 1976).* 2013 Sep 1;38(19):1663-71. doi: 10.1097/BRS.0b013e31829ec563. PubMed PMID: 23759814.

835: Terran J, Schwab F, Shaffrey CI, Smith JS, Devos P, Ames CP, Fu KM, Burton D, Hostin R, Klineberg E, Gupta M, Deviren V, Mundis G, Hart R, Bess S, Lafage V; International Spine Study Group. The SRS-Schwab adult spinal deformity classification: assessment and clinical correlations based on a prospective operative and nonoperative cohort. *Neurosurgery.* 2013 Oct;73(4):559-68. doi: 10.1227/NEU.0000000000000012. PubMed PMID: 23756751.

836: Elias WJ, Khaled M, Hilliard JD, Aubry JF, Frysinger RC, Sheehan JP, Wintermark M, Lopes MB. A magnetic resonance imaging, histological, and dose modeling comparison of focused ultrasound, radiofrequency, and Gamma Knife radiosurgery lesions in swine thalamus. *J Neurosurg.* 2013 Aug;119(2):307-17. doi: 10.3171/2013.5.JNS122327. Epub 2013 Jun 7. PubMed PMID: 23746105.

837: Starke RM, Raper DM, Payne SC, Vance ML, Oldfield EH, Jane JA Jr. Endoscopic vs microsurgical transsphenoidal surgery for acromegaly: outcomes in a concurrent series of patients using modern criteria for remission. *J Clin Endocrinol Metab.* 2013 Aug;98(8):3190-8. doi: 10.1210/jc.2013-1036. Epub 2013 Jun 4. PubMed PMID: 23737543.

838: Williams BJ, Xu Z, Salvetti DJ, McNeill IT, Larner J, Sheehan JP. Gamma Knife surgery for large vestibular schwannomas: a single-center retrospective case-matched comparison assessing the effect of lesion size. *J Neurosurg.* 2013 Aug;119(2):463-71. doi: 10.3171/2013.4.JNS122195. Epub 2013 May 24. PubMed PMID: 23706053.

839: Ding D, Mehta GU, Medel R, Liu KC. Utility of intraoperative angiography during subaxial foramen transversarium decompression for bow hunter's syndrome. *Interv Neuroradiol.* 2013 Jun;19(2):240-4. Epub 2013 May 21. PubMed PMID: 23693050; PubMed Central PMCID: PMC3670065.

840: Chalouhi N, Starke RM, Tjoumakaris SI, Jabbour PM, Gonzalez LF, Hasan D, Rosenwasser RH, Dumont AS. Carotid and vertebral artery sacrifice with a combination of Onyx and coils: technical note and case series. *Neuroradiology.* 2013 Aug;55(8):993-998. doi: 10.1007/s00234-013-1203-4. Epub 2013 May 16. PubMed PMID: 23677283.

841: Monteith SJ, Kassell NF, Goren O, Harnof S. Transcranial MR-guided focused ultrasound sonothrombolysis in the treatment of intracerebral hemorrhage. *Neurosurg Focus.* 2013 May;34(5):E14. doi: 10.3171/2013.2.FOCUS1313. Review. PubMed PMID: 23634918.

842: Salvetti DJ, Williams BJ, Posthumus JS, Shaffrey ME. Enterogenous cyst of the third ventricle. *J Clin Neurosci.* 2014 Jan;21(1):161-3. doi: 10.1016/j.jocn.2012.10.035. Epub 2013 Apr 18. PubMed PMID: 23602490.

843: Kasliwal MK, Smith JS, Kanter A, Chen CJ, Mummaneni PV, Hart RA, Shaffrey CI. Management of high-grade spondylolisthesis. *Neurosurg Clin N Am.* 2013 Apr;24(2):275-91. doi:

10.1016/j.nec.2012.12.002. Epub 2013 Feb 21. Review. PubMed PMID: 23561564.

844: Smith JS, Shaffrey CI, Fu KM, Scheer JK, Bess S, Lafage V, Schwab F, Ames CP. Clinical and radiographic evaluation of the adult spinal deformity patient. *Neurosurg Clin N Am*. 2013 Apr;24(2):143-56. doi: 10.1016/j.nec.2012.12.009. Epub 2013 Feb 21. Review. PubMed PMID: 23561553.

845: Sheehan J, Steiner L. A perspective on radiosurgery: creativity, elegance, simplicity, and flexibility to change. *World Neurosurg*. 2013 Jul-Aug;80(1-2):83-6. doi: 10.1016/j.wneu.2013.03.074. Epub 2013 Apr 1. Review. PubMed PMID: 23558049.

846: Starke RM, Dumont AS. The role of hypertonic saline in neurosurgery. *World Neurosurg*. 2014 Dec;82(6):1040-2. doi: 10.1016/j.wneu.2013.03.019. Epub 2013 Mar 15. PubMed PMID: 23500124.

847: Fu KM, Smith JS, Burton DC, Kebaish KM, Shaffrey CI, Schwab F, Lafage V, Arlet V, Hostin R, Boachie O, Akbarnia B, Bess S; International Spine Study Group. Revision extension to the pelvis versus primary spinopelvic instrumentation in adult deformity: comparison of clinical outcomes and complications. *World Neurosurg*. 2014 Sep-Oct;82(3-4):e547-52. doi: 10.1016/j.wneu.2013.02.059. Epub 2013 Feb 21. PubMed PMID: 23438970.

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

849: Hood B, Hamilton DK, Smith JS, Dididze M, Shaffrey C, Levi AD. The use of allograft and recombinant human bone morphogenetic protein for instrumented atlantoaxial fusions. *World Neurosurg*. 2014 Dec;82(6):1369-73. doi: 10.1016/j.wneu.2013.01.083. Epub 2013 Jan 19. PubMed PMID: 23336983.

850: Crowley RW, Dumont AS, Asthagiri AR, Torner JC, Medel R, Jane JA Jr, Jane JA, Kassell NF. Intraoperative ultrasound guidance for the placement of permanent ventricular cerebrospinal fluid shunt catheters: a single-center historical cohort study. *World Neurosurg*. 2014 Feb;81(2):397-403. doi: 10.1016/j.wneu.2013.01.039. Epub 2013 Jan 12. PubMed PMID: 23321382.

851: Xu Z, Lee Vance M, Schlesinger D, Sheehan JP. Hypopituitarism after stereotactic radiosurgery for pituitary neuroendocrine tumors. *Neurosurgery*. 2013 Apr;72(4):630-7; 636-7. doi: 10.1227/NEU.0b013e3182846e44. PubMed PMID: 23277375.

852: Williams BJ, Salvetti DJ, Starke RM, Yen CP, Sheehan JP. Stereotactic radiosurgery for WHO II and III meningiomas: analysis of long-term clinical and radiographic outcomes. *J Radiosurg SBRT*. 2013;2(3):183-191. PubMed PMID: 29296361; PubMed Central PMCID: PMC5658810.

853: Eames MD, Hananel A, Snell JW, Kassell NF, Aubry JF. Trans-cranial focused ultrasound without hair shaving: feasibility study in an ex vivo cadaver model. *J Ther Ultrasound*. 2014 Jan 2;1:24. doi: 10.1186/2050-5736-1-24. eCollection 2013. PubMed PMID: 25512865; PubMed Central PMCID: PMC4265964.

854: Khalil AA, Jameson MJ, Broaddus WC, Chung TD, Golding SE, Dever SM, Rosenberg E, Valerie K. Subcutaneous administration of D-luciferin is an effective alternative to intraperitoneal injection in bioluminescence imaging of xenograft tumors in nude mice. *ISRN Mol Imaging*. 2013;2013. pii: 689279. PubMed PMID: 25392739; PubMed Central PMCID: PMC4226276.

- 855: Gans JH, Raper DM, Shah AH, Bregy A, Heros D, Lally BE, Morcos JJ, Heros RC, Komotar RJ. The role of radiosurgery to the tumor bed after resection of brain metastases. *Neurosurgery*. 2013 Mar;72(3):317-25; discussion 325-6. doi: 10.1227/NEU.0b013e31827fcd60. Review. PubMed PMID: 23208065.
- 856: Ding D, Starke RM, Jensen ME, Evans AJ, Kassell NF, Liu KC. Perforator aneurysms of the posterior circulation: case series and review of the literature. *J Neurointerv Surg*. 2013 Nov;5(6):546-51. doi: 10.1136/neurintsurg-2012-010557. Epub 2012 Nov 23. PubMed PMID: 23178223.
- 857: Monteith SJ, Medel R, Kassell NF, Wintermark M, Eames M, Snell J, Zadicario E, Grinfeld J, Sheehan JP, Elias WJ. Transcranial magnetic resonance-guided focused ultrasound surgery for trigeminal neuralgia: a cadaveric and laboratory feasibility study. *J Neurosurg*. 2013 Feb;118(2):319-28. doi: 10.3171/2012.10.JNS12186. Epub 2012 Nov 16. PubMed PMID: 23157185.
- 858: Starke RM, Reames DL, Chen CJ, Laws ER, Jane JA Jr. Endoscopic transsphenoidal surgery for cushing disease: techniques, outcomes, and predictors of remission. *Neurosurgery*. 2013 Feb;72(2):240-7; discussion 247. doi: 10.1227/NEU.0b013e31827b966a. PubMed PMID: 23149974.
- 859: Mehta GU, Jane JA Jr. Pituitary tumors. *Curr Opin Neurol*. 2012 Dec;25(6):751-5. doi: 10.1097/WCO.0b013e3283587bed. Review. PubMed PMID: 23108246.
- 860: Smith JS, Shaffrey CI, Glassman SD, Carreon LY, Schwab FJ, Lafage V, Arlet V, Fu KM, Bridwell KH; Spinal Deformity Study Group. Clinical and radiographic parameters that distinguish between the best and worst outcomes of scoliosis surgery for adults. *Eur Spine J*. 2013 Feb;22(2):402-10. doi: 10.1007/s00586-012-2547-x. Epub 2012 Oct 18. PubMed PMID: 23073746; PubMed Central PMCID: PMC3555616.
- 861: Lu J, Ksendzovsky A, Yang C, Mehta GU, Yong RL, Weil RJ, Park DM, Mushlin HM, Fang X, Balgley BM, Lee DH, Lee CS, Lonser RR, Zhuang Z. CNTF receptor subunit α as a marker for glioma tumor-initiating cells and tumor grade: laboratory investigation. *J Neurosurg*. 2012 Dec;117(6):1022-1031. doi: 10.3171/2012.9.JNS1212. Epub 2012 Oct 12. PubMed PMID: 23061382; PubMed Central PMCID: PMC4762039.
- 862: Sheehan J, Starke RM, Pouratian N, Litvack Z, Asthagiri A. Identification of knowledge gaps in neurosurgery through analysis of responses to the Self-Assessment in Neurological Surgery (SANS). *World Neurosurg*. 2014 Feb;81(2):229-33. doi: 10.1016/j.wneu.2012.05.033. Epub 2012 Oct 5. PubMed PMID: 23043994.
- 863: Coburger J, Leng LZ, Rubin DG, Mayaya G, Medel R, Ngayomela I, Ellegala D, Durieux ME, Nicholas J, Härtl R. Multi-institutional neurosurgical training initiative at a tertiary referral center in Mwanza, Tanzania: where we are after 2 years. *World Neurosurg*. 2014 Jul-Aug;82(1-2):e1-8. doi: 10.1016/j.wneu.2012.09.019. Epub 2012 Sep 27. PubMed PMID: 23023049.
- 864: Sheehan J, Starke RM, Pouratian N, Litvack Z. Identification of knowledge gaps in neurosurgery using a validated self-assessment examination: differences between general and spinal neurosurgeons. *World Neurosurg*. 2013 Nov;80(5):e27-31. doi: 10.1016/j.wneu.2012.09.007. Epub 2012 Sep 16. PubMed PMID: 22989999.
- 865: Smith JS, Shaffrey CI, Ames CP, Demakakos J, Fu KM, Keshavarzi S, Li CM, Deviren V, Schwab FJ, Lafage V, Bess S; International Spine Study Group. Assessment of symptomatic rod fracture after posterior instrumented fusion for adult spinal deformity. *Neurosurgery*. 2012 Oct;71(4):862-7. PubMed PMID: 22989960.

- 866: Hostin R, McCarthy I, O'Brien M, Bess S, Line B, Boachie-Adjei O, Burton D, Gupta M, Ames C, Deviren V, Kebaish K, Shaffrey C, Wood K, Hart R; International Spine Study Group. Incidence, mode, and location of acute proximal junctional failures after surgical treatment of adult spinal deformity. *Spine (Phila Pa 1976)*. 2013 May 20;38(12):1008-15. doi: 10.1097/BRS.0b013e318271319c. PubMed PMID: 22986834.
- 867: Schwyzer L, Yen CP, Evans A, Zavoian S, Steiner L. Long-term results of Gamma knife radiosurgery for partially embolized arteriovenous malformations. *Neurosurgery*. 2012 Dec;71(6):1139-47; discussion 1147-8. doi: 10.1227/NEU.0b013e3182720280. PubMed PMID: 22986603.
- 868: Saulle D, Fu KM, Shaffrey CI, Smith JS. Multiple-day drainage when using bone morphogenic protein for long-segment thoracolumbar fusions is associated with low rates of wound complications. *World Neurosurg*. 2013 Jul-Aug;80(1-2):204-7. doi: 10.1016/j.wneu.2012.08.003. Epub 2012 Aug 25. PubMed PMID: 22929109.
- 869: Kasliwal MK, Shaffrey CI, Lenke LG, Dettori JR, Ely CG, Smith JS. Frequency, risk factors, and treatment of distal adjacent segment pathology after long thoracolumbar fusion: a systematic review. *Spine (Phila Pa 1976)*. 2012 Oct 15;37(22 Suppl):S165-79. doi: 10.1097/BRS.0b013e31826d62c9. PubMed PMID: 22885833.
- 870: Smith JS, Shaffrey CI, Lafage V, Blondel B, Schwab F, Hostin R, Hart R, O'Shaughnessy B, Bess S, Hu SS, Deviren V, Ames CP; International Spine Study Group. Spontaneous improvement of cervical alignment after correction of global sagittal balance following pedicle subtraction osteotomy. *J Neurosurg Spine*. 2012 Oct;17(4):300-7. doi: 10.3171/2012.6.SPINE1250. Epub 2012 Aug 3. PubMed PMID: 22860879.
- 871: Medel R, Monteith SJ, Elias WJ, Eames M, Snell J, Sheehan JP, Wintermark M, Jolesz FA, Kassell NF. Magnetic resonance-guided focused ultrasound surgery: Part 2: A review of current and future applications. *Neurosurgery*. 2012 Oct;71(4):755-63. Review. PubMed PMID: 22791029; PubMed Central PMCID: PMC4104674.
- 872: Schmitt PJ, Agarwal N, Prestigiacomo CJ. From planes to brains: parallels between military development of virtual reality environments and virtual neurological surgery. *World Neurosurg*. 2012 Sep-Oct;78(3-4):214-9. doi: 10.1016/j.wneu.2012.06.014. Epub 2012 Jun 18. PubMed PMID: 22722040.
- 873: Kasliwal MK, Smith JS, Shaffrey CI, Carreon LY, Glassman SD, Schwab F, Lafage V, Fu KM, Bridwell KH. Does prior short-segment surgery for adult scoliosis impact perioperative complication rates and clinical outcome among patients undergoing scoliosis correction? *J Neurosurg Spine*. 2012 Aug;17(2):128-33. doi: 10.3171/2012.4.SPINE12130. Epub 2012 Jun 8. PubMed PMID: 22681617.
- 874: Smith JS, Saulle D, Chen CJ, Lenke LG, Polly DW Jr, Kasliwal MK, Broadstone PA, Glassman SD, Vaccaro AR, Ames CP, Shaffrey CI. Rates and causes of mortality associated with spine surgery based on 108,419 procedures: a review of the Scoliosis Research Society Morbidity and Mortality Database. *Spine (Phila Pa 1976)*. 2012 Nov 1;37(23):1975-82. doi: 10.1097/BRS.0b013e318257fada. PubMed PMID: 22498991.
- 875: Xu Z, Schlesinger D, Toulmin S, Rich T, Sheehan J. Impact of triple-negative phenotype on prognosis of patients with breast cancer brain metastases. *Int J Radiat Oncol Biol Phys*. 2012 Nov 1;84(3):612-8. doi: 10.1016/j.ijrobp.2011.12.054. Epub 2012 Mar 19. PubMed PMID: 22436795.
- 876: Starke RM, Crowley RW, Maltenfort M, Jabbour PM, Gonzalez LF, Tjoumakaris SI, Randazzo CG, Rosenwasser RH, Dumont AS. Moyamoya disorder in the United States. *Neurosurgery*. 2012

Jul;71(1):93-9. doi: 10.1227/NEU.0b013e318253ab8e. PubMed PMID: 22418580.

877: Kasliwal MK, Smith JS, Shaffrey CI, Saulle D, Lenke LG, Polly DW Jr, Ames CP, Perra JH. Short-term complications associated with surgery for high-grade spondylolisthesis in adults and pediatric patients: a report from the scoliosis research society morbidity and mortality database. *Neurosurgery*. 2012 Jul;71(1):109-16. doi: 10.1227/NEU.0b013e3182535881. PubMed PMID: 22407074.

878: Marchan EM, Sheehan J. Stereotactic radiosurgery of brain metastasis from melanoma. *Prog Neurol Surg*. 2012;25:176-89. doi: 10.1159/000331191. Epub 2012 Jan 6. Review. PubMed PMID: 22236679.

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

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

881: Hilliard JD, Frysinger RC, Elias WJ. Effective subthalamic nucleus deep brain stimulation sites may differ for tremor, bradykinesia and gait disturbances in Parkinson's disease. *Stereotact Funct Neurosurg*. 2011;89(6):357-64. doi: 10.1159/000331269. Epub 2011 Nov 19. PubMed PMID: 22104373.

882: Elias WJ, Zheng ZA, Domer P, Quigg M, Pouratian N. Validation of connectivity-based thalamic segmentation with direct electrophysiologic recordings from human sensory thalamus. *Neuroimage*. 2012 Feb 1;59(3):2025-34. doi: 10.1016/j.neuroimage.2011.10.049. Epub 2011 Oct 20. PubMed PMID: 22036683.

883: Crowley RW, Asthagiri AR, Starke RM, Zusman EE, Chiocca EA, Lonser RR; Research Committee of the Congress of Neurological Surgeons. In-training factors predictive of choosing and sustaining a productive academic career path in neurological surgery. *Neurosurgery*. 2012 Apr;70(4):1024-32. doi: 10.1227/NEU.0b013e3182367143. PubMed PMID: 21946503.

884: Williams BJ, Smith JS, Fu KM, Hamilton DK, Polly DW Jr, Ames CP, Berven SH, Perra JH, Knapp DR Jr, McCarthy RE, Shaffrey CI; Scoliosis Research Society Morbidity and Mortality Committee. Does bone morphogenetic protein increase the incidence of perioperative complications in spinal fusion? A comparison of 55,862 cases of spinal fusion with and without bone morphogenetic protein. *Spine (Phila Pa 1976)*. 2011 Sep 15;36(20):1685-91. doi: 10.1097/BRS.0b013e318216d825. PubMed PMID: 21897187.

885: Gopalan R, Schlesinger D, Vance ML, Laws E, Sheehan J. Long-term outcomes after Gamma Knife radiosurgery for patients with a nonfunctioning pituitary adenoma. *Neurosurgery*. 2011 Aug;69(2):284-93. doi: 10.1227/NEU.0b013e31821bc44e. PubMed PMID: 21792138.

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

887: Jane JA Jr, Starke RM, Elzoghby MA, Reames DL, Payne SC, Thorner MO, Marshall JC, Laws ER Jr, Vance ML. Endoscopic transsphenoidal surgery for acromegaly: remission using modern criteria,

complications, and predictors of outcome. *J Clin Endocrinol Metab.* 2011 Sep;96(9):2732-40. doi: 10.1210/jc.2011-0554. Epub 2011 Jun 29. PubMed PMID: 21715544.

888: Ding D, Liu KC. Applications of stenting for intracranial atherosclerosis. *Neurosurg Focus.* 2011 Jun;30(6):E15. doi: 10.3171/2011.3.FOCUS1149. Review. PubMed PMID: 21631216.

889: Reames DL, Mohila CA, Sheehan JP. Treatment of intracranial solitary fibrous tumors with gamma knife radiosurgery: report of two cases and review of literature. *Neurosurgery.* 2011 Oct;69(4):E1023-8; discussion E1028. doi: 10.1227/NEU.0b013e318223b7e6. Review. PubMed PMID: 21593698.

890: Varhabhatla N, Zuo Z. The effects of chronic pulmonary disease on hospital length of stay and cost of hospitalization after neurosurgery. *Clinical article. J Neurosurg.* 2011 Aug;115(2):375-9. doi: 10.3171/2011.3.JNS101608. Epub 2011 Apr 15. PubMed PMID: 21495820.

891: Reames DL, Shaffrey ME. Percutaneous vertebral augmentation: state of the art. *J Support Oncol.* 2011 Jan-Feb;9(1):12. PubMed PMID: 21465733.

892: Hamilton DK, Smith JS, Reames DL, Williams BJ, Chernavvsky DR, Shaffrey CI. Safety, efficacy, and dosing of recombinant human bone morphogenetic protein-2 for posterior cervical and cervicothoracic instrumented fusion with a minimum 2-year follow-up. *Neurosurgery.* 2011 Jul;69(1):103-11; discussion 111. doi: 10.1227/NEU.0b013e318214a9b1. PubMed PMID: 21368688.

893: Fu KM, Smith JS, Polly DW, Ames CP, Berven SH, Perra JH, Glassman SD, McCarthy RE, Knapp DR, Shaffrey CI; Scoliosis Research Society Morbidity and Mortality Committee. Morbidity and mortality associated with spinal surgery in children: a review of the Scoliosis Research Society morbidity and mortality database. *J Neurosurg Pediatr.* 2011 Jan;7(1):37-41. doi: 10.3171/2010.10.PEDS10212. PubMed PMID: 21194285.

894: Bilsky MH, Angelov L, Rock J, Weaver J, Sheehan J, Rhines L, Azeem S, Gerszten P. Spinal radiosurgery: a neurosurgical perspective. *J Radiosurg SBRT.* 2011;1(1):47-54. PubMed PMID: 29296297; PubMed Central PMCID: PMC5658900.

895: Smith JS, Sansur CA, Donaldson WF 3rd, Perra JH, Mudiya R, Choma TJ, Zeller RD, Knapp DR Jr, Noordeen HH, Berven SH, Goytan MJ, Boachie-Adjei O, Shaffrey CI. Short-term morbidity and mortality associated with correction of thoracolumbar fixed sagittal plane deformity: a report from the Scoliosis Research Society Morbidity and Mortality Committee. *Spine (Phila Pa 1976).* 2011 May 20;36(12):958-64. doi: 10.1097/BRS.0b013e3181eabb26. PubMed PMID: 21192289.

896: Smith JS, Shaffrey CI, Sansur CA, Berven SH, Fu KM, Broadstone PA, Choma TJ, Goytan MJ, Noordeen HH, Knapp DR Jr, Hart RA, Donaldson WF 3rd, Polly DW Jr, Perra JH, Boachie-Adjei O; Scoliosis Research Society Morbidity and Mortality Committee. Rates of infection after spine surgery based on 108,419 procedures: a report from the Scoliosis Research Society Morbidity and Mortality Committee. *Spine (Phila Pa 1976).* 2011 Apr 1;36(7):556-63. doi: 10.1097/BRS.0b013e3181eadd41. PubMed PMID: 21192288.

897: Williams BJ, Sansur CA, Smith JS, Berven SH, Broadstone PA, Choma TJ, Goytan MJ, Noordeen HH, Knapp DR Jr, Hart RA, Zeller RD, Donaldson WF 3rd, Polly DW Jr, Perra JH, Boachie-Adjei O, Shaffrey CI. Incidence of unintended durotomy in spine surgery based on 108,478 cases. *Neurosurgery.* 2011 Jan;68(1):117-23; discussion 123-4. doi: 10.1227/NEU.0b013e3181fcf14e. PubMed PMID: 21150757.

898: Kiehna EN, Starke RM, Pouratian N, Dumont AS. Standards for reporting randomized controlled trials in neurosurgery. *J Neurosurg.* 2011 Feb;114(2):280-5. doi: 10.3171/2010.8.JNS091770. Epub

2010 Nov 5. Review. PubMed PMID: 21054137.

899: Reames DL, Smith JS, Fu KM, Polly DW Jr, Ames CP, Berven SH, Perra JH, Glassman SD, McCarthy RE, Knapp RD Jr, Heary R, Shaffrey CI; Scoliosis Research Society Morbidity and Mortality Committee. Complications in the surgical treatment of 19,360 cases of pediatric scoliosis: a review of the Scoliosis Research Society Morbidity and Mortality database. *Spine (Phila Pa 1976)*. 2011 Aug 15;36(18):1484-91. doi: 10.1097/BRS.0b013e3181f3a326. PubMed PMID: 21037528.

900: Cifarelli CP, Kaptain G, Yen CP, Schlesinger D, Sheehan JP. Gamma knife radiosurgery for dural arteriovenous fistulas. *Neurosurgery*. 2010 Nov;67(5):1230-5; discussion 1235. doi: 10.1227/NEU.0b013e3181eff6f7. PubMed PMID: 20871448.

901: Yen CP, Khaled MA, Schwyzer L, Vorsic M, Dumont AS, Steiner L. Early draining vein occlusion after Gamma knife radiosurgery for arteriovenous malformations. *Neurosurgery*. 2010 Nov;67(5):1293-302; discussion 1302. doi: 10.1227/NEU.0b013e3181f2b396. PubMed PMID: 20871437.

902: Fu KM, Smith JS, Polly DW Jr, Perra JH, Sansur CA, Berven SH, Broadstone PA, Choma TJ, Goytan MJ, Noordeen HH, Knapp DR Jr, Hart RA, Donaldson WF 3rd, Boachie-Adjei O, Shaffrey CI. Morbidity and mortality in the surgical treatment of six hundred five pediatric patients with isthmic or dysplastic spondylolisthesis. *Spine (Phila Pa 1976)*. 2011 Feb 15;36(4):308-12. doi: 10.1097/BRS.0b013e3181cf3a1d. PubMed PMID: 20739916.

903: Smith JS, Shaffrey CI, Glassman SD, Berven SH, Schwab FJ, Hamill CL, Horton WC, Ondra SL, Sansur CA, Bridwell KH; Spinal Deformity Study Group. Risk-benefit assessment of surgery for adult scoliosis: an analysis based on patient age. *Spine (Phila Pa 1976)*. 2011 May 1;36(10):817-24. doi: 10.1097/BRS.0b013e3181e21783. PubMed PMID: 20683385.

904: Elias WJ, Lozano AM. Deep brain stimulation: the spectrum of application. *Neurosurg Focus*. 2010 Aug;29(2):Introduction. doi: 10.3171/2010.8.FOCUS.Intro. PubMed PMID: 20672928.

905: Pouratian N, Elias WJ, Jane JA Jr, Phillips LH 2nd, Jane JA Sr. Electrophysiologically guided untethering of secondary tethered spinal cord syndrome. *Neurosurg Focus*. 2010 Jul;29(1):E3. doi: 10.3171/2010.3.FOCUS09299. PubMed PMID: 20594001.

906: Kiehna EN, Waldron PE, Jane JA. Conservative management of an acute spontaneous holocord epidural hemorrhage in a hemophiliac infant. *J Neurosurg Pediatr*. 2010 Jul;6(1):43-8. doi: 10.3171/2010.4.PEDS09537. PubMed PMID: 20593987.

907: Smith JS, Fu KM, Polly DW Jr, Sansur CA, Berven SH, Broadstone PA, Choma TJ, Goytan MJ, Noordeen HH, Knapp DR Jr, Hart RA, Donaldson WF 3rd, Perra JH, Boachie-Adjei O, Shaffrey CI. Complication rates of three common spine procedures and rates of thromboembolism following spine surgery based on 108,419 procedures: a report from the Scoliosis Research Society Morbidity and Mortality Committee. *Spine (Phila Pa 1976)*. 2010 Nov 15;35(24):2140-9. doi: 10.1097/BRS.0b013e3181cbc8e7. PubMed PMID: 20581760.

908: Yen CP, Jain S, Haq IU, Jagannathan J, Schlesinger D, Sheehan J, Steiner L. Repeat γ knife surgery for incompletely obliterated cerebral arteriovenous malformations. *Neurosurgery*. 2010 Jul;67(1):55-64; discussion 64. PubMed PMID: 20568667.

909: Reames DL, Lindstrom K, Raghavan P, Jane J Jr. Extramedullary hematopoiesis within the clivus: an unusual cause of lower cranial nerve palsy. *J Neurooncol*. 2010 Dec;100(3):481-5. doi: 10.1007/s11060-010-0208-7. Epub 2010 May 9. PubMed PMID: 20455000.

910: Fu KM, Smith JS, Polly DW Jr, Perra JH, Sansur CA, Berven SH, Broadstone PA, Choma TJ, Goytan MJ, Noordeen HH, Knapp DR Jr, Hart RA, Zeller RD, Donaldson WF 3rd, Boachie-Adjei O, Shaffrey CI. Morbidity and mortality in the surgical treatment of 10,329 adults with degenerative lumbar stenosis. *J Neurosurg Spine*. 2010 May;12(5):443-6. doi: 10.3171/2009.11.SPINE09531. PubMed PMID: 20433290.

911: Jane JA Jr, Kiehna E, Payne SC, Early SV, Laws ER Jr. Early outcomes of endoscopic transsphenoidal surgery for adult craniopharyngiomas. *Neurosurg Focus*. 2010 Apr;28(4):E9. doi: 10.3171/2010.1.FOCUS09319. PubMed PMID: 20367523.

912: Smith JS, Shaffrey CI, Abel MF, Menezes AH. Basilar invagination. *Neurosurgery*. 2010 Mar;66(3 Suppl):39-47. doi: 10.1227/01.NEU.0000365770.10690.6F. Review. PubMed PMID: 20173526.

913: Sheehan JP. Resident perceptions of radiosurgical training and the effect of a focused resident training seminar. *J Neurosurg*. 2010 Jul;113(1):59-63. doi: 10.3171/2010.1.JNS091686. PubMed PMID: 20170307.

914: Starke RM, Komotar RJ, Hwang BY, Hahn DK, Otten ML, Hickman ZL, Garrett MC, Sisti MB, Lavine SD, Meyers PM, Solomon RA, Connolly ES Jr. Systemic expression of matrix metalloproteinase-9 in patients with cerebral arteriovenous malformations. *Neurosurgery*. 2010 Feb;66(2):343-8; discussion 348. doi: 10.1227/01.NEU.0000363599.72318.BA. PubMed PMID: 20087134.

915: Jane JA Sr. Highly cited works. *J Neurosurg*. 2010 Feb;112(2):219. doi: 10.3171/2009.12.JNS091812. PubMed PMID: 20078191.

916: Jane JA Jr, Prevedello DM, Alden TD, Laws ER Jr. The transsphenoidal resection of pediatric craniopharyngiomas: a case series. *J Neurosurg Pediatr*. 2010 Jan;5(1):49-60. doi: 10.3171/2009.7.PEDS09252. PubMed PMID: 20043736.

917: Levy WB. Discovering Associative Long-term Synaptic Modification and Timing Dependence of Plasticity - a Very Brief and Personal History. *Front Synaptic Neurosci*. 2010 Dec 2;2:149. doi: 10.3389/fnsyn.2010.00149. eCollection 2010. PubMed PMID: 21423535; PubMed Central PMCID: PMC3059706.

918: Jagannathan J, Bourne TD, Schlesinger D, Yen CP, Shaffrey ME, Laws ER Jr, Sheehan JP. Clinical and pathological characteristics of brain metastasis resected after failed radiosurgery. *Neurosurgery*. 2010 Jan;66(1):208-17. doi: 10.1227/01.NEU.0000359318.90478.69. PubMed PMID: 20023552.

919: Fu KM, Smith JS, Sansur CA, Shaffrey CI. Standardized measures of health status and disability and the decision to pursue operative treatment in elderly patients with degenerative scoliosis. *Neurosurgery*. 2010 Jan;66(1):42-7; discussion 47. doi: 10.1227/01.NEU.0000361999.29279.E6. PubMed PMID: 20023536.

920: Jensen ME, McGraw JK, Cardella JF, Hirsch JA. Position statement on percutaneous vertebral augmentation: a consensus statement developed by the American Society of Interventional and Therapeutic Neuroradiology, Society of Interventional Radiology, American Association of Neurological Surgeons/Congress of Neurological Surgeons, and American Society of Spine Radiology. *J Neurointerv Surg*. 2009 Dec;1(2):181-5. doi: 10.1016/j.jvir.2009.04.022. Erratum in: *J Neurointerv Surg*. 2011 Dec 1;3(4):398. PubMed PMID: 21994295.

921: Sheehan JP, Shaffrey CI, Schlesinger D, Williams BJ, Arlet V, Lerner J. Radiosurgery in the treatment of spinal metastases: tumor control, survival, and quality of life after helical tomotherapy. *Neurosurgery*. 2009 Dec;65(6):1052-61; discussion 1061-2. doi:

10.1227/01.NEU.0000359315.20268.73. Review. PubMed PMID: 19934964.

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

923: Smith JS, Shaffrey CI, Berven S, Glassman S, Hamill C, Horton W, Ondra S, Schwab F, Shainline M, Fu KM, Bridwell K; Spinal Deformity Study Group. Operative versus nonoperative treatment of leg pain in adults with scoliosis: a retrospective review of a prospective multicenter database with two-year follow-up. *Spine (Phila Pa 1976)*. 2009 Jul 15;34(16):1693-8. doi: 10.1097/BRS.0b013e3181ac5fcd. PubMed PMID: 19770610.

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

925: Smith JS, Shaffrey CI, Berven S, Glassman S, Hamill C, Horton W, Ondra S, Schwab F, Shainline M, Fu KM, Bridwell K; Spinal Deformity Study Group. Improvement of back pain with operative and nonoperative treatment in adults with scoliosis. *Neurosurgery*. 2009 Jul;65(1):86-93; discussion 93-4. doi: 10.1227/01.NEU.0000347005.35282.6C. PubMed PMID: 19574829.

926: Jagannathan J, Vates GE, Pouratian N, Sheehan JP, Patrie J, Grady MS, Jane JA. Impact of the Accreditation Council for Graduate Medical Education work-hour regulations on neurosurgical resident education and productivity. *J Neurosurg*. 2009 May;110(5):820-7. doi: 10.3171/2009.2.JNS081446. PubMed PMID: 19409028.

927: Jagannathan J, Sansur CA, Oskouian RJ Jr, Fu KM, Shaffrey CI. Radiographic restoration of lumbar alignment after transforaminal lumbar interbody fusion. *Neurosurgery*. 2009 May;64(5):955-63; discussion 963-4. doi: 10.1227/01.NEU.0000343544.77456.46. PubMed PMID: 19404155.

928: Crowley RW, Yeoh HK, Stukenborg GJ, Ionescu AA, Kassell NF, Dumont AS. Influence of weekend versus weekday hospital admission on mortality following subarachnoid hemorrhage. Clinical article. *J Neurosurg*. 2009 Jul;111(1):60-6. doi: 10.3171/2008.11.JNS081038. PubMed PMID: 19231928.

929: Jagannathan J, Sanghvi NT, Crum LA, Yen CP, Medel R, Dumont AS, Sheehan JP, Steiner L, Jolesz F, Kassell NF. High-intensity focused ultrasound surgery of the brain: part 1-A historical perspective with modern applications. *Neurosurgery*. 2009 Feb;64(2):201-10; discussion 210-1. doi: 10.1227/01.NEU.0000336766.18197.8E. Review. PubMed PMID: 19190451; PubMed Central PMCID: PMC4068031.

930: Howe AG, Levy WB. A hippocampal model predicts a fluctuating phase transition when learning certain trace conditioning paradigms. *Cogn Neurodyn*. 2007 Jun;1(2):143-55. doi: 10.1007/s11571-006-9012-7. Epub 2007 Jan 25. PubMed PMID: 19003508; PubMed Central PMCID: PMC2267670.

931: Hankins GR, Sasaki T, Lieu AS, Saulle D, Karimi K, Li JZ, Helm GA. Identification of the deleted in liver cancer 1 gene, *DLC1*, as a candidate meningioma tumor suppressor. *Neurosurgery*. 2008 Oct;63(4):771-80; discussion 780-1. doi: 10.1227/01.NEU.0000325488.72518.9E. PubMed PMID: 18981889.

932: Jagannathan J, Oskouian RJ, Yeoh HK, Saulle D, Dumont AS. Molecular biology of unresectable meningiomas: implications for new treatments and review of the literature. *Skull Base*. 2008 May;18(3):173-87. doi: 10.1055/s-2007-1003925. PubMed PMID: 18978964; PubMed Central PMCID:

PMC2459329.

933: Jagannathan J, Chankaew E, Urban P, Dumont AS, Sansur CA, Kern J, Peeler B, Elias WJ, Shen F, Shaffrey ME, Whitehill R, Arlet V, Shaffrey CI. Cosmetic and functional outcomes following paramedian and anterolateral retroperitoneal access in anterior lumbar spine surgery. *J Neurosurg Spine*. 2008 Nov;9(5):454-65. doi: 10.3171/SPI.2008.9.11.454. PubMed PMID: 18976177.

934: Louis RG Jr, Loukas M, Wartmann CT, Tubbs RS, Apaydin N, Gupta AA, Spentzouris G, Ysique JR. Clinical anatomy of the mastoid and occipital emissary veins in a large series. *Surg Radiol Anat*. 2009 Feb;31(2):139-44. doi: 10.1007/s00276-008-0423-5. Epub 2008 Oct 31. PubMed PMID: 18974919.

935: Smith JS, Fu KM, Urban P, Shaffrey CI. Neurological symptoms and deficits in adults with scoliosis who present to a surgical clinic: incidence and association with the choice of operative versus nonoperative management. *J Neurosurg Spine*. 2008 Oct;9(4):326-31. doi: 10.3171/SPI.2008.9.10.326. PubMed PMID: 18939917.

936: Jagannathan J, Okonkwo DO, Yeoh HK, Dumont AS, Saulle D, Haizlip J, Barth JT, Jane JA Sr, Jane JA Jr. Long-term outcomes and prognostic factors in pediatric patients with severe traumatic brain injury and elevated intracranial pressure. *J Neurosurg Pediatr*. 2008 Oct;2(4):240-9. doi: 10.3171/PED.2008.2.10.240. PubMed PMID: 18831656.

937: Smith JS, Abel MF, Shaffrey CI, Ames CP. Decision making in pediatric spinal deformity. *Neurosurgery*. 2008 Sep;63(3 Suppl):54-68. doi: 10.1227/01.NEU.0000320433.58965.47. Review. PubMed PMID: 18812934.

938: Smith JS, Wang VY, Ames CP. Vertebral column resection for rigid spinal deformity. *Neurosurgery*. 2008 Sep;63(3 Suppl):177-82. doi: 10.1227/01.NEU.0000320429.32113.85. Review. PubMed PMID: 18812922.

939: Smith JS, Shaffrey CI, Kuntz C 4th, Mummaneni PV. Classification systems for adolescent and adult scoliosis. *Neurosurgery*. 2008 Sep;63(3 Suppl):16-24. doi: 10.1227/01.NEU.0000320447.61835.EA. Review. PubMed PMID: 18812919.

940: Jagannathan J, Sansur CA, Shaffrey CI. Iatrogenic spinal deformity. *Neurosurgery*. 2008 Sep;63(3 Suppl):104-16. doi: 10.1227/01.NEU.0000320386.08993.BE. Review. Retraction in: *Neurosurgery*. 2011 Aug;69(2):E519. PubMed PMID: 18812912.

941: Jagannathan J, Sheehan JP, Pouratian N, Laws ER Jr, Steiner L, Vance ML. Gamma knife radiosurgery for acromegaly: outcomes after failed transsphenoidal surgery. *Neurosurgery*. 2008 Jun;62(6):1262-9; discussion 1269-70. doi: 10.1227/01.neu.0000333297.41813.3d. PubMed PMID: 18824992.

942: Da Silva AN, Nagayama K, Schlesinger D, Sheehan JP. Early brain tumor metastasis reduction following Gamma knife radiosurgery. *J Neurosurg*. 2009 Mar;110(3):547-52. doi: 10.3171/2008.4.17537. PubMed PMID: 18821832.

943: Elias WJ, Sansur CA, Frysinger RC. Sulcal and ventricular trajectories in stereotactic surgery. *J Neurosurg*. 2009 Feb;110(2):201-7. doi: 10.3171/2008.7.17625. PubMed PMID: 18821828.

944: Crowley RW, Sherman JH, Le BH, Jane JA Sr. Intramedullary spinal cord metastasis from bladder carcinoma: case report. *Neurosurgery*. 2008 Sep;63(3):E611-2; discussion E612. doi: 10.1227/01.NEU.0000324898.69073.E1. PubMed PMID: 18812942.

- 945: Heppner PA, Sheehan JP, Steiner LE. Gamma knife radiosurgery for low-grade gliomas. *Neurosurgery*. 2008 Feb;62 Suppl 2:755-62. doi: 10.1227/01.neu.0000316279.22371.b8. PubMed PMID: 18596430.
- 946: Sheehan JP, Jagannathan J. Review of spinal radiosurgery: a minimally invasive approach for the treatment of spinal and paraspinal metastases. *Neurosurg Focus*. 2008;25(2):E18. doi: 10.3171/FOC/2008/25/8/E18. Review. PubMed PMID: 18673047.
- 947: Elias WJ, Ray DK, Jane JA. Lennart Heimer: concepts of the ventral striatum and extended amygdala. *Neurosurg Focus*. 2008;25(1):E8. doi: 10.3171/FOC/2008/25/7/E8. PubMed PMID: 18590385.
- 948: Elias WJ, Cosgrove GR. Psychosurgery. *Neurosurg Focus*. 2008;25(1):E1. doi: 10.3171/FOC/2008/25/7/E1. PubMed PMID: 18590377.
- 949: Sheehan JP, Jane JA, Ray DK, Goodkin HP. Brain abscess in children. *Neurosurg Focus*. 2008;24(6):E6. doi: 10.3171/FOC/2008/24/6/E6. Review. PubMed PMID: 18518751.
- 950: Kanter AS, Asthagiri AR, Shaffrey CI. Aging spine: challenges and emerging techniques. *Clin Neurosurg*. 2007;54:10-8. PubMed PMID: 18504890.
- 951: Jane JA Jr. Management of pediatric sellar tumors. *Pediatr Endocrinol Rev*. 2008 Feb;5 Suppl 2:720-6. Review. PubMed PMID: 18317443.
- 952: Elias WJ, Durieux ME, Huss D, Frysinger RC. Dexmedetomidine and arousal affect subthalamic neurons. *Mov Disord*. 2008 Jul 15;23(9):1317-20. doi: 10.1002/mds.22080. Erratum in: *Mov Disord*. 2008 Aug 15;23(11):1638. PubMed PMID: 18442130.
- 953: Newman S. A prospective study of cavernous sinus surgery for meningiomas and resultant common ophthalmic complications (an American Ophthalmological Society thesis). *Trans Am Ophthalmol Soc*. 2007;105:392-447. PubMed PMID: 18427624; PubMed Central PMCID: PMC2258114.
- 954: Hamilton DK, Jones-Quaidoo SM, Sansur C, Shaffrey CI, Oskouian R, Jane JA Sr. Outcomes of bone morphogenetic protein-2 in mature adults: posterolateral non-instrument-assisted lumbar decompression and fusion. *Surg Neurol*. 2008 May;69(5):457-61; discussion 461-2. doi: 10.1016/j.surneu.2007.09.008. Epub 2008 Jan 18. PubMed PMID: 18207557.
- 955: Semple PL, Jane JA Jr, Laws ER Jr. Clinical relevance of precipitating factors in pituitary apoplexy. *Neurosurgery*. 2007 Nov;61(5):956-61; discussion 961-2. PubMed PMID: 18091272.
- 956: Jagannathan J, Kanter AS, Sheehan JP, Jane JA Jr, Laws ER Jr. Benign brain tumors: sellar/parasellar tumors. *Neurol Clin*. 2007 Nov;25(4):1231-49, xi. Review. PubMed PMID: 17964033.
- 957: Jagannathan J, Sheehan JP, Jane JA Jr. Evaluation and management of Cushing syndrome in cases of negative sellar magnetic resonance imaging. *Neurosurg Focus*. 2007;23(3):E3. Review. PubMed PMID: 17961018.
- 958: Gong J, Zhao Y, Abdel-Fattah R, Amos S, Xiao A, Lopes MB, Hussaini IM, Laws ER. Matrix metalloproteinase-9, a potential biological marker in invasive pituitary neuroendocrine tumors. *Pituitary*. 2008;11(1):37-48. PubMed PMID: 17768685.
- 959: Jagannathan J, Okonkwo DO, Prevedello DM, Kanter AS, Laws ER Jr. Arachnoid diverticula associated with anterior cranial base tumors: technical case report. *Neurosurgery*. 2007

Jul;61(1):E172-3; discussion E173. PubMed PMID: 17621009.

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

961: Hocking AB, Levy WB. Theta-Modulated Input Reduces Intrinsic Gamma Oscillations in a Hippocampal Model. *Neurocomputing*. 2007 Jun;70(10-12):2074-2078. PubMed PMID: 19593393; PubMed Central PMCID: PMC2707940.

962: Mut M, Turba UC, Botella AC, Baskurt E, Lopes MB, Shaffrey ME. Neuroimaging characteristics in subgroup of GBMs with p53 overexpression. *J Neuroimaging*. 2007 Apr;17(2):168-74. PubMed PMID: 17441839.

963: Eliason JA. From manuscript submission to publication: a tour of the Journal of Neurosurgery Publishing Group. *J Neurosurg*. 2007 Apr;106(4):717-22. PubMed PMID: 17432729.

964: Nathan BR. Cerebral correlates of hyponatremia. *Neurocrit Care*. 2007;6(1):72-8. PubMed PMID: 17356196.

965: Pouratian N, Sansur CA, Newman SA, Jane JA Jr, Jane JA Sr. Chiari malformations in patients with uncorrected sagittal synostosis. *Surg Neurol*. 2007 Apr;67(4):422-7; discussion 427-8. PubMed PMID: 17350422.

966: Sansur CA, Pouratian N, Dumont AS, Schiff D, Shaffrey CI, Shaffrey ME. Part II: spinal-cord neoplasms—primary tumours of the bony spine and adjacent soft tissues. *Lancet Oncol*. 2007 Feb;8(2):137-47. Review. PubMed PMID: 17267328.

967: Mut M, Shaffrey ME, Bourne TD, Jagannathan J, Shaffrey CI. Unusual presentation of an adult intramedullary spinal teratoma with diplomyelia. *Surg Neurol*. 2007 Feb;67(2):190-4. Epub 2006 Nov 16. PubMed PMID: 17254890.

968: Broaddus WC, Prabhu SS, Gillies GT, Neal J, Conrad WS, Chen ZJ, Fillmore H, Young HF. Distribution and stability of antisense phosphorothioate oligonucleotides in rodent brain following direct intraparenchymal controlled-rate infusion. *Neurosurg Focus*. 1997 Nov 15;3(5):Article4. PubMed PMID: 17206780.

969: Alden TD, Hankins GR, Beres EJ, Kallmes DF, Helm GA. Bone morphogenetic protein gene therapy for the induction of spinal arthrodesis. *Neurosurg Focus*. 1998 Feb 15;4(2):e12. PubMed PMID: 17206767.

970: Alden TD, Kaptain GJ, Jane JA Jr, Jane JA Sr. Intraoperative chymopapain in lumbar laminotomy for disc disease: a less invasive technique. *Neurosurg Focus*. 1998 Feb 15;4(2):e10. PubMed PMID: 17206765.

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

972: Kaptain GJ, Shaffrey CI, Alden TD, Young JN, Whitehill R. The influence of secondary gain on surgical outcome: a comparison between cervical and lumbar discectomy. *Neurosurg Focus*. 1998 Aug 15;5(2):e6. PubMed PMID: 17137290.

- 973: Coenen VA, Hansen CA, Kassell NF, Polin RS. Endovascular treatment for symptomatic cerebral vasospasm after subarachnoid hemorrhage: transluminal balloon angioplasty compared with intraarterial papaverine. *Neurosurg Focus*. 1998 Oct 15;5(4):e6. PubMed PMID: 17112217.
- 974: Rauzzino MJ, Shaffrey CI, Wagner J, Nockels R, Abel M. Surgical approaches for the management of idiopathic thoracic scoliosis and the indications for combined anterior-posterior technique. *Neurosurg Focus*. 1999 May 15;6(5):e6. PubMed PMID: 17031912.
- 975: Lanzino G, Couture D, Kassell NF. New developments in cerebrovascular surgery. *Curr Opin Anaesthesiol*. 2000 Oct;13(5):497-502. PubMed PMID: 17016347.
- 976: Hamilton DK, Bourne TD, Ahmed H, Cousar JB, Mandell JW, Sheehan JP. Follicular lymphoma of the dura: case report. *Neurosurgery*. 2006 Sep;59(3):E703-4; discussion E703-4. PubMed PMID: 16955025.
- 977: Farace E, Alves WM. Do women fare worse? A metaanalysis of gender differences in outcome after traumatic brain injury. *Neurosurg Focus*. 2000;8(1):e6. PubMed PMID: 16924776.
- 978: Wiggins GC, Rauzzino MJ, Shaffrey CI, Nockels RP, Whitehill R, Alden TD, Shaffrey ME, Wagner J. A new technique for the surgical management of unstable thoracolumbar burst fractures: a modification of the anterior approach and an outcome comparison to traditional methods. *Neurosurg Focus*. 1999 Jul 15;7(1):e3. PubMed PMID: 16918234.
- 979: Pouratian N, Sheehan J, Jagannathan J, Laws ER Jr, Steiner L, Vance ML. Gamma knife radiosurgery for medically and surgically refractory prolactinomas. *Neurosurgery*. 2006 Aug;59(2):255-66; discussion 255-66. PubMed PMID: 16883166.
- 980: Jane JA Jr, Lin KY, Jane JA Sr. Sagittal synostosis. *Neurosurg Focus*. 2000 Sep 15;9(3):e3. Review. PubMed PMID: 16833254.
- 981: Semple PL, De Villiers JC, Bowen RM, Lopes MB, Laws ER Jr. Pituitary apoplexy: do histological features influence the clinical presentation and outcome? *J Neurosurg*. 2006 Jun;104(6):931-7. PubMed PMID: 16776337.
- 982: Lanzino G, Dumont AS, Lopes MB, Laws ER Jr. Skull base chordomas: overview of disease, management options, and outcome. *Neurosurg Focus*. 2001 Mar 15;10(3):E12. Review. PubMed PMID: 16734404.
- 983: Helm GA, Dayoub H, Jane JA Jr. Gene-based therapies for the induction of spinal fusion. *Neurosurg Focus*. 2001 Apr 15;10(4):E5. Review. PubMed PMID: 16732632.
- 984: Helm GA, Dayoub H, Jane JA Jr. Bone graft substitutes for the promotion of spinal arthrodesis. *Neurosurg Focus*. 2001 Apr 15;10(4):E4. Review. PubMed PMID: 16732631.
- 985: Darsaut TE, Lanzino G, Lopes MB, Newman S. An introductory overview of orbital tumors. *Neurosurg Focus*. 2001 May 15;10(5):E1. Review. PubMed PMID: 16724824.
- 986: Helm GA. Bone graft substitutes for use in spinal fusions. *Clin Neurosurg*. 2005;52:250-5. PubMed PMID: 16626078.
- 987: Hedrick TL, Adams JD, Sawyer RG. Implant-associated infections: an overview. *J Long Term Eff Med Implants*. 2006;16(1):83-99. Review. PubMed PMID: 16566748.

- 988: Frysinger RC, Quigg M, Elias WJ. Bipolar deep brain stimulation permits routine EKG, EEG, and polysomnography. *Neurology*. 2006 Jan 24;66(2):268-70. PubMed PMID: 16434672.
- 989: Hamilton DK, Vance ML, Boulos PT, Laws ER. Surgical outcomes in hyporesponsive prolactinomas: analysis of patients with resistance or intolerance to dopamine agonists. *Pituitary*. 2005;8(1):53-60. PubMed PMID: 16411069.
- 990: Doglietto F, Prevedello DM, Jane JA Jr, Han J, Laws ER Jr. Brief history of endoscopic transsphenoidal surgery—from Philipp Bozzini to the First World Congress of Endoscopic Skull Base Surgery. *Neurosurg Focus*. 2005 Dec 15;19(6):E3. Review. PubMed PMID: 16398480.
- 991: Heppner PA, Sheehan JP, Steiner LE. Gamma knife radiosurgery for low-grade gliomas. *Neurosurgery*. 2005 Dec;57(6):1132-9; discussion. PubMed PMID: 16331161.
- 992: Jane JA Jr, Sulton LD, Laws ER Jr. Surgery for primary brain tumors at United States academic training centers: results from the Residency Review Committee for neurological surgery. *J Neurosurg*. 2005 Nov;103(5):789-93. PubMed PMID: 16304981.
- 993: Levy WB, Hocking AB, Wu X. Interpreting hippocampal function as recoding and forecasting. *Neural Netw*. 2005 Nov;18(9):1242-64. Epub 2005 Nov 2. Erratum in: *Neural Netw*. 2006 Mar;19(2):248. PubMed PMID: 16269237.
- 994: Mut M, Schiff D, Shaffrey ME. Metastasis to nervous system: spinal epidural and intramedullary metastases. *J Neurooncol*. 2005 Oct;75(1):43-56. Review. PubMed PMID: 16215815.
- 995: Heimer L, Van Hoesen GW. The limbic lobe and its output channels: implications for emotional functions and adaptive behavior. *Neurosci Biobehav Rev*. 2006;30(2):126-47. Epub 2005 Sep 23. Review. PubMed PMID: 16183121.
- 996: Sheehan JP, Sheehan JM, Ellegala DB, Furneaux C. Pioneers in the development of neurological surgery in Auckland, New Zealand: Robertson, Wrightson, and Mackenzie. *Neurosurgery*. 2005 Aug;57(2):364-8; discussion 364-8. PubMed PMID: 16094168.
- 997: Laws ER, Jane JA Jr. Neurosurgical approach to treating pituitary neuroendocrine tumors. *Growth Horm IGF Res*. 2005 Jul;15 Suppl A:S36-41. Review. PubMed PMID: 16039890.
- 998: Shaffrey ME, Farace E, Schiff D, Larner JM, Mut M, Lopes MB. The Ki-67 labeling index as a prognostic factor in Grade II oligoastrocytomas. *J Neurosurg*. 2005 Jun;102(6):1033-9. PubMed PMID: 16028762.
- 999: Levy WB, Sanyal A, Rodriguez P, Sullivan DW, Wu XB. The formation of neural codes in the hippocampus: trace conditioning as a prototypical paradigm for studying the random recoding hypothesis. *Biol Cybern*. 2005 Jun;92(6):409-26. Epub 2005 Jun 16. PubMed PMID: 15965710.
- 1000: Tholpady SS, Aojanepong C, Llull R, Jeong JH, Mason AC, Futrell JW, Ogle RC, Katz AJ. The cellular plasticity of human adipocytes. *Ann Plast Surg*. 2005 Jun;54(6):651-6. Review. PubMed PMID: 15900154.
- 1001: Vance ML, Laws ER Jr. Role of medical therapy in the management of acromegaly. *Neurosurgery*. 2005 May;56(5):877-85; discussion 877-85. Review. PubMed PMID: 15854234.
- 1002: Mut M, Lopes MB, Shaffrey M, Lucien J, Rubinstein: enduring contributions to neuro-oncology. *Neurosurg Focus*. 2005 Apr 15;18(4):e8. Review. PubMed PMID: 15844871.

- 1003: Kanter AS, Dumont AS, Asthagiri AR, Oskouian RJ, Jane JA Jr, Laws ER Jr. The transsphenoidal approach. A historical perspective. *Neurosurg Focus*. 2005 Apr 15;18(4):e6. Review. PubMed PMID: 15844869.
- 1004: Mut M, Schiff D, Dalmau J. Paraneoplastic recurrent multifocal encephalitis presenting with epilepsy partialis continua. *J Neurooncol*. 2005 Mar;72(1):63-6. PubMed PMID: 15803377.
- 1005: Mut M, Schiff D, Miller B, Shaffrey M, Larner J, Shaffrey C. Osteoradionecrosis mimicking metastatic epidural spinal cord compression. *Neurology*. 2005 Jan 25;64(2):396-7. PubMed PMID: 15668458.
- 1006: Semple PL, Webb MK, de Villiers JC, Laws ER Jr. Pituitary apoplexy. *Neurosurgery*. 2005;56(1):65-72; discussion 72-3. PubMed PMID: 15617587.
- 1007: Stone JR, Okonkwo DO, Dialo AO, Rubin DG, Mutlu LK, Povlishock JT, Helm GA. Impaired axonal transport and altered axolemmal permeability occur in distinct populations of damaged axons following traumatic brain injury. *Exp Neurol*. 2004 Nov;190(1):59-69. PubMed PMID: 15473980.
- 1008: Laurent JJ, Webb KM, Beres EJ, McGee K, Li J, van Rietbergen B, Helm GA. The use of bone morphogenetic protein-6 gene therapy for percutaneous spinal fusion in rabbits. *J Neurosurg Spine*. 2004 Jul;1(1):90-4. PubMed PMID: 15291027.
- 1009: Sullivan DW, Levy WB. Quantal synaptic failures enhance performance in a minimal hippocampal model. *Network*. 2004 Feb;15(1):45-67. PubMed PMID: 15022844.
- 1010: Sangrey TD, Friesen WO, Levy WB. Analysis of the optimal channel density of the squid giant axon using a reparameterized Hodgkin-Huxley model. *J Neurophysiol*. 2004 Jun;91(6):2541-50. Epub 2004 Jan 28. PubMed PMID: 14749318.
- 1011: Jane JA Jr, Laws ER Jr. The management of non-functioning pituitary adenomas. *Neurol India*. 2003 Dec;51(4):461-5. Review. PubMed PMID: 14742922.
- 1012: Li JZ, Li H, Dunford B, Holman D, Beres B, Pittman DD, Hankins GR, Helm GA. Rat strain differences in the ectopic osteogenic potential of recombinant human BMP adenoviruses. *Mol Ther*. 2003 Nov;8(5):822-9. PubMed PMID: 14599816.
- 1013: Webb KM, Laurent JJ, Okonkwo DO, Lopes MB, Vance ML, Laws ER Jr. Clinical characteristics of silent corticotrophic adenomas and creation of an internet-accessible database to facilitate their multi-institutional study. *Neurosurgery*. 2003 Nov;53(5):1076-84; discussion 1084-5. PubMed PMID: 14580274.
- 1014: Heimer L. A new anatomical framework for neuropsychiatric disorders and drug abuse. *Am J Psychiatry*. 2003 Oct;160(10):1726-39. Review. Erratum in: *Am J Psychiatry*. 2003 Dec;160(12):2258. PubMed PMID: 14514480.
- 1015: Li JZ, Hankins GR, Kao C, Li H, Kammauff J, Helm GA. Osteogenesis in rats induced by a novel recombinant helper-dependent bone morphogenetic protein-9 (BMP-9) adenovirus. *J Gene Med*. 2003 Sep;5(9):748-56. PubMed PMID: 12950065.
- 1016: Li JZ, Li H, Sasaki T, Holman D, Beres B, Dumont RJ, Pittman DD, Hankins GR, Helm GA. Osteogenic potential of five different recombinant human bone morphogenetic protein adenoviral vectors in the rat. *Gene Ther*. 2003 Sep;10(20):1735-43. PubMed PMID: 12939640.

1017: Laws ER Jr, Morris AM, Maartens N. Gliadel for pituitary neuroendocrine tumors and craniopharyngiomas. *Neurosurgery*. 2003 Aug;53(2):255-69; discussion 259-60. PubMed PMID: 12925239.

1018: Heimer L. The legacy of the silver methods and the new anatomy of the basal forebrain: implications for neuropsychiatry and drug abuse. *Scand J Psychol*. 2003 Jul;44(3):189-201. Review. PubMed PMID: 12914582.

1019: Mills JD, Stone JR, Rubin DG, Melon DE, Okonkwo DO, Periasamy A, Helm GA. Illuminating protein interactions in tissue using confocal and two-photon excitation fluorescent resonance energy transfer microscopy. *J Biomed Opt*. 2003 Jul;8(3):347-56. PubMed PMID: 12880338.

1020: Ellegala DB, Leong-Poi H, Carpenter JE, Klivanov AL, Kaul S, Shaffrey ME, Sklenar J, Lindner JR. Imaging tumor angiogenesis with contrast ultrasound and microbubbles targeted to alpha(v)beta3. *Circulation*. 2003 Jul 22;108(3):336-41. Epub 2003 Jun 30. PubMed PMID: 12835208.

1021: Dumont AS, Dumont RJ, Chow MM, Lin CL, Calisaneller T, Ley KF, Kassell NF, Lee KS. Cerebral vasospasm after subarachnoid hemorrhage: putative role of inflammation. *Neurosurgery*. 2003 Jul;53(1):123-33; discussion 133-5. Review. PubMed PMID: 12823881.

1022: Sasaki T, Hankins GR, Helm GA. Comparison of gene expression profiles between frozen original meningiomas and primary cultures of the meningiomas by GeneChip. *Neurosurgery*. 2003 Apr;52(4):892-8; discussion 898-9. PubMed PMID: 12657186.

1023: Sasaki T, Hankins GR, Helm GA. Major vault protein/lung resistance-related protein (MVP/LRP) expression in nervous system tumors. *Brain Tumor Pathol*. 2002;19(2):59-62. PubMed PMID: 12622134.

1024: Dumont AS, Dumont RJ, McNeill JH, Kassell NF, Sutherland GR, Verma S. Chronic endothelin antagonism restores cerebrovascular function in diabetes. *Neurosurgery*. 2003 Mar;52(3):653-60; discussion 659-60. PubMed PMID: 12590691.

1025: Laws ER, Shaffrey ME, Morris A, Anderson FA Jr. Surgical management of intracranial gliomas--does radical resection improve outcome? *Acta Neurochir Suppl*. 2003;85:47-53. PubMed PMID: 12570137.

1026: Elias WJ, Hussaina IM, Chadduck JB, Jane JA, Laws ER Jr, Lopes MB. Hemangiopericytoma in the setting of acromegaly. *Endocr Pathol*. 2002 Fall;13(3):251-61. PubMed PMID: 12446926.

1027: Chow M, Dumont AS, Kassell NF. Endothelin receptor antagonists and cerebral vasospasm: an update. *Neurosurgery*. 2002 Dec;51(6):1333-41; discussion 1342. Review. PubMed PMID: 12445337.

1028: Reitmeyer M, Vance ML, Laws ER Jr. The neurosurgical management of Cushing's disease. *Mol Cell Endocrinol*. 2002 Nov 29;197(1-2):73-9. Review. PubMed PMID: 12431799.

1029: Dumont RJ, Dayoub H, Li JZ, Dumont AS, Kallmes DF, Hankins GR, Helm GA. Ex vivo bone morphogenetic protein-9 gene therapy using human mesenchymal stem cells induces spinal fusion in rodents. *Neurosurgery*. 2002 Nov;51(5):1239-44; discussion 1244-5. PubMed PMID: 12383369.

1030: Sheehan JP, Sheehan JM, Lopes MB, Jane JA. Intramedullary cervical spine cysticercosis. *Acta Neurochir (Wien)*. 2002 Oct;144(10):1061-3. PubMed PMID: 12382137.

1031: Jane JA Jr, Laws ER Jr. Surgical management of pituitary neuroendocrine tumors. *Singapore Med*

J. 2002 Jun;43(6):318-23. PubMed PMID: 12380732.

1032: Jane JA Jr, Dunford BA, Kron A, Pittman DD, Sasaki T, Li JZ, Li H, Alden TD, Dayoub H, Hankins GR, Kallmes DF, Helm GA. Ectopic osteogenesis using adenoviral bone morphogenetic protein (BMP)-4 and BMP-6 gene transfer. *Mol Ther*. 2002 Oct;6(4):464-70. PubMed PMID: 12377187.

1033: Irons MJ, Farace E, Brady WJ, Huff JS. Mental status screening of emergency department patients: normative study of the quick confusion scale. *Acad Emerg Med*. 2002 Oct;9(10):989-94. PubMed PMID: 12359535.

1034: Alden TD, Varady P, Kallmes DF, Jane JA Jr, Helm GA. Bone morphogenetic protein gene therapy. *Spine (Phila Pa 1976)*. 2002 Aug 15;27(16 Suppl 1):S87-93. Review. PubMed PMID: 12205425.

1035: Ellegala DB, Maartens NF, Laws ER Jr. Use of FloSeal hemostatic sealant in transsphenoidal pituitary surgery: technical note. *Neurosurgery*. 2002 Aug;51(2):513-5; discussion 515-6. Review. PubMed PMID: 12182794.

1036: Jane JA Jr, Thapar K, Kaptain GJ, Maartens N, Laws ER Jr. Pituitary surgery: transsphenoidal approach. *Neurosurgery*. 2002 Aug;51(2):435-42; discussion 442-4. PubMed PMID: 12182782.

1037: Russell D, VorderBruegge M, Burns SM. Effect of an outcomes-managed approach to care of neuroscience patients by acute care nurse practitioners. *Am J Crit Care*. 2002 Jul;11(4):353-62. PubMed PMID: 12102436.

1038: Sasaki T, Lopes MB, Hankins GR, Helm GA. Expression of survivin, an inhibitor of apoptosis protein, in tumors of the nervous system. *Acta Neuropathol*. 2002 Jul;104(1):105-9. Epub 2002 Mar 29. PubMed PMID: 12070671.

1039: Lanzino G, Lanzino DJ, Wang D. Cerebrovascular disease and cognitive dysfunction. *Neurol Res*. 2002 Jun;24(4):331-6. Review. PubMed PMID: 12069278.

1040: Varady P, Li JZ, Alden TD, Kallmes DF, Williams MB, Helm GA. CT and radionuclide study of BMP-2 gene therapy-induced bone formation. *Acad Radiol*. 2002 Jun;9(6):632-7. PubMed PMID: 12061736.

1041: Laws ER, Reitmeyer M, Thapar K, Vance ML. Cushing's disease resulting from pituitary corticotrophic microadenoma. Treatment results from transsphenoidal microsurgery and gamma knife radiosurgery. *Neurochirurgie*. 2002 May;48(2-3 Pt 2):294-9. Review. PubMed PMID: 12058134.

1042: Stone JR, Okonkwo DO, Singleton RH, Mutlu LK, Helm GA, Povlishock JT. Caspase-3-mediated cleavage of amyloid precursor protein and formation of amyloid Beta peptide in traumatic axonal injury. *J Neurotrauma*. 2002 May;19(5):601-14. PubMed PMID: 12042095.

1043: Levy WB, Baxter RA. Energy-efficient neuronal computation via quantal synaptic failures. *J Neurosci*. 2002 Jun 1;22(11):4746-55. PubMed PMID: 12040082.

1044: Jensen ME, Kallmes DE. Percutaneous vertebroplasty in the treatment of malignant spine disease. *Cancer J*. 2002 Mar-Apr;8(2):194-206. PubMed PMID: 11999951.

1045: Couture DE, Ellegala DB, Dumont AS, Mintz PD, Kassell NF. Blood use in cerebrovascular neurosurgery. *Stroke*. 2002 Apr;33(4):994-7. Erratum in: *Stroke* 2002 May;33(5):1442. PubMed PMID: 11935050.

- 1046: Barbosa MD, Arthur AS, Louis RH, MacDonald T, Polin RS, Gazak C, Kassell NF. The novel 5-lipoxygenase inhibitor ABT-761 attenuates cerebral vasospasm in a rabbit model of subarachnoid hemorrhage. *Neurosurgery*. 2001 Nov;49(5):1205-12; discussion 1212-3. PubMed PMID: 11846914.
- 1047: Oskouian RJ Jr, Johnson JP, Regan JJ. Thoracoscopic microdiscectomy. *Neurosurgery*. 2002 Jan;50(1):103-9. PubMed PMID: 11844240.
- 1048: Elias WJ, Shaffrey ME, Whitehill R. Sacral stress fracture following lumbosacral arthrodesis. Case illustration. *J Neurosurg*. 2002 Jan;96(1 Suppl):135. PubMed PMID: 11795703.
- 1049: Rodriguez P, Levy WB. A model of hippocampal activity in trace conditioning: where's the trace? *Behav Neurosci*. 2001 Dec;115(6):1224-38. PubMed PMID: 11770054.
- 1050: Jane JA Jr, Laws ER Jr. The surgical management of pituitary neuroendocrine tumors in a series of 3,093 patients. *J Am Coll Surg*. 2001 Dec;193(6):651-9. PubMed PMID: 11768682.
- 1051: Lanzino G, Laws ER Jr. Pioneers in the development of transsphenoidal surgery: Theodor Kocher, Oskar Hirsch, and Norman Dott. *J Neurosurg*. 2001 Dec;95(6):1097-103. PubMed PMID: 11765831.
- 1052: Jane JA Jr, Thapar K, Laws ER Jr. Acromegaly: historical perspectives and current therapy. *J Neurooncol*. 2001 Sep;54(2):129-37. Review. PubMed PMID: 11761430.
- 1053: Greene AJ, Easton RD, LaShell LS. Visual-auditory events: cross-modal perceptual priming and recognition memory. *Conscious Cogn*. 2001 Sep;10(3):425-35. PubMed PMID: 11697874.
- 1054: Laws ER, Shaffrey ME. Surgical management of intracranial gliomas—biopsy, resection, or watchful waiting. *Clin Neurosurg*. 2001;48:37-45. PubMed PMID: 11692653.
- 1055: Laws ER, Jane JA Jr. Pituitary tumors—long-term outcomes and expectations. *Clin Neurosurg*. 2001;48:306-19. Review. PubMed PMID: 11692649.
- 1056: Lanzino G, Couture D, Andreoli A, Guterman LR, Hopkins LN. Carotid endarterectomy: can we select surgical candidates at high risk for stroke and low risk for perioperative complications? *Neurosurgery*. 2001 Oct;49(4):913-23; discussion 923-4. Review. PubMed PMID: 11564254.
- 1057: Kamiryo T, Lopes MB, Kassell NF, Steiner L, Lee KS. Radiosurgery-induced microvascular alterations precede necrosis of the brain neuropil. *Neurosurgery*. 2001 Aug;49(2):409-14; discussion 414-5. PubMed PMID: 11504117.
- 1058: Jane JA Jr, Thapar K, Alden TD, Laws ER Jr. Fluoroscopic frameless stereotaxy for transsphenoidal surgery. *Neurosurgery*. 2001 Jun;48(6):1302-7; discussion 1307-8. PubMed PMID: 11383734.
- 1059: Meij BP, Lopes MB, Vance ML, Thorner MO, Laws ER Jr. Double pituitary lesions in three patients with Cushing's disease. *Pituitary*. 2000 Nov;3(3):159-68. Review. PubMed PMID: 11383480.
- 1060: Alden TD, Beres EJ, Laurent JS, Engh JA, Das S, London SD, Jane JA Jr, Hudson SB, Helm GA. The use of bone morphogenetic protein gene therapy in craniofacial bone repair. *J Craniofac Surg*. 2000 Jan;11(1):24-30. PubMed PMID: 11314095.
- 1061: Sheehan JM, Shaffrey CI, Jane JA Sr. Degenerative lumbar stenosis: the neurosurgical perspective. *Clin Orthop Relat Res*. 2001 Mar;(384):61-74. Review. PubMed PMID: 11249181.

- 1062: Kaptain GJ, Vincent DA, Laws ER Jr. Cranial base reconstruction after transsphenoidal surgery with bioabsorbable implants. *Neurosurgery*. 2001 Jan;48(1):232-3; discussion 233-4. PubMed PMID: 11152355.
- 1063: Sheehan J, Kaptain G, Sheehan J, Jane J Sr. Congenital absence of a cervical pedicle: report of two cases and review of the literature. *Neurosurgery*. 2000 Dec;47(6):1439-42. Review. PubMed PMID: 11126916.
- 1064: Laws ER Jr. The decade of the brain: 1990 to 2000. *Neurosurgery*. 2000 Dec;47(6):1257-60. Review. PubMed PMID: 11126897.
- 1065: Jane JA Jr, Helm GA. Gene therapy for skull base tumors. *Neurosurg Clin N Am*. 2000 Oct;11(4):703-16. Review. PubMed PMID: 11082180.
- 1066: Sheehan JM, Sheehan JP, Jane JA Sr, Polin RS. Chemotherapy for esthesioneuroblastomas. *Neurosurg Clin N Am*. 2000 Oct;11(4):693-701. PubMed PMID: 11082179.
- 1067: Kaptain GJ, Simmons NE, Alden TD, Lopes MB, Vance ML, Laws ER. Estrogen receptors in prolactinomas: a clinico-pathological study. *Pituitary*. 1999;1(2):91-8. PubMed PMID: 11081186.
- 1068: Laws ER Jr. Vascular complications of transsphenoidal surgery. *Pituitary*. 1999 Aug;2(2):163-70. PubMed PMID: 11081167.
- 1069: Kaptain GJ, Simmons NE, Replogle RE, Pobereskin L. Incidence and outcome of kyphotic deformity following laminectomy for cervical spondylotic myelopathy. *J Neurosurg*. 2000 Oct;93(2 Suppl):199-204. PubMed PMID: 11012049.
- 1070: Laws ER, Vance ML, Thapar K. Pituitary surgery for the management of acromegaly. *Horm Res*. 2000;53 Suppl 3:71-5. Review. PubMed PMID: 10971109.
- 1071: Sheehan JM, Cloft H, Kassell NF. Symptomatic delayed arterial spasm following non-aneurysmal perimesencephalic subarachnoid hemorrhage: a case report and review of the literature. *Acta Neurochir (Wien)*. 2000;142(6):709-12. Review. PubMed PMID: 10949448.
- 1072: Sheehan JM, Jane JA. Occipital bone graft for atlantoaxial fusion. *Acta Neurochir (Wien)*. 2000;142(6):661-6; discussion 667. PubMed PMID: 10949441.
- 1073: Sheehan JM, Jane JA Sr. Resolution of tonsillar herniation and syringomyelia after supratentorial tumor resection: case report and review of the literature. *Neurosurgery*. 2000 Jul;47(1):233-5. Review. PubMed PMID: 10917368.
- 1074: Sheehan JM, Lopes MB, Sheehan JP, Ellegala D, Webb KM, Laws ER Jr. Results of transsphenoidal surgery for Cushing's disease in patients with no histologically confirmed tumor. *Neurosurgery*. 2000 Jul;47(1):33-6; discussion 37-9. PubMed PMID: 10917344.
- 1075: Elias WJ, Simmons NE, Kaptain GJ, Chaddock JB, Whitehill R. Complications of posterior lumbar interbody fusion when using a titanium threaded cage device. *J Neurosurg*. 2000 Jul;93(1 Suppl):45-52. PubMed PMID: 10879757.
- 1076: Ogle RC. Craniofacial skeletal morphogenesis in vitro. *Methods Mol Biol*. 2000;136:55-9. Review. PubMed PMID: 10840697.
- 1077: Helm GA, Alden TD, Sheehan JP, Kallmes D. Bone morphogenetic proteins and bone

morphogenetic protein gene therapy in neurological surgery: a review. *Neurosurgery*. 2000 May;46(5):1213-22. Review. PubMed PMID: 10807254.

1078: Helm GA, Alden TD, Beres EJ, Hudson SB, Das S, Engh JA, Pittman DD, Kerns KM, Kallmes DF. Use of bone morphogenetic protein-9 gene therapy to induce spinal arthrodesis in the rodent. *J Neurosurg*. 2000 Apr;92(2 Suppl):191-6. PubMed PMID: 10763690.

1079: Greene AJ, Prepiscus C, Levy WB. Primacy versus recency in a quantitative model: activity is the critical distinction. *Learn Mem*. 2000 Jan;7(1):48-57. PubMed PMID: 10706602; PubMed Central PMCID: PMC311322.

1080: Simmons NE, Do HM, Lipper MH, Laws ER Jr. Cerebral atrophy in Cushing's disease. *Surg Neurol*. 2000 Jan;53(1):72-6. PubMed PMID: 10697236.

1081: Alden TD, Lin KY, Jane JA. Mechanisms of premature closure of cranial sutures. *Childs Nerv Syst*. 1999 Nov;15(11-12):670-5. PubMed PMID: 10603008.

1082: Laws ER. From child to adult. *Childs Nerv Syst*. 1999 Nov;15(11-12):620-3. PubMed PMID: 10603002.

1083: Laws ER Jr, Shaffrey ME. The inherent invasiveness of cerebral gliomas: implications for clinical management. *Int J Dev Neurosci*. 1999 Aug-Oct;17(5-6):413-20. Review. PubMed PMID: 10571404.

1084: Laws ER Jr. Neurosurgery's man of the century: Harvey Cushing-the man and his legacy. *Neurosurgery*. 1999 Nov;45(5):977-82. PubMed PMID: 10549917.

1085: Sheehan JP, Polin RS, Sheehan JM, Baskaya MK, Kassell NF. Factors associated with hydrocephalus after aneurysmal subarachnoid hemorrhage. *Neurosurgery*. 1999 Nov;45(5):1120-7; discussion 1127-8. PubMed PMID: 10549928.

1086: Kaptain GJ, Shaffrey CI, Alden TD, Young JN, Laws ER Jr, Whitehill R. Secondary gain influences the outcome of lumbar but not cervical disc surgery. *Surg Neurol*. 1999 Sep;52(3):217-23; discussion 223-5. PubMed PMID: 10511078.

1087: Alden TD, Pittman DD, Hankins GR, Beres EJ, Engh JA, Das S, Hudson SB, Kerns KM, Kallmes DF, Helm GA. In vivo endochondral bone formation using a bone morphogenetic protein 2 adenoviral vector. *Hum Gene Ther*. 1999 Sep 1;10(13):2245-53. PubMed PMID: 10498255.

1088: Kamiryo T, Laws ER Jr. An accurate adjustable applicator for magnetic resonance imaging-based stereotactic procedure using the Leksell G frame. *Neurosurgery*. 1999 Aug;45(2):397-9; discussion 399-400. PubMed PMID: 10449088.

1089: Elias WJ, Chadduck JB, Alden TD, Laws ER Jr. Frameless stereotaxy for transsphenoidal surgery. *Neurosurgery*. 1999 Aug;45(2):271-5; discussion 275-7. PubMed PMID: 10449071.

1090: diPierro CG, Francel PC, Jackson TR, Kamiryo T, Laws ER Jr. Optimizing accuracy in magnetic resonance imaging-guided stereotaxis: a technique with validation based on the anterior commissure-posterior commissure line. *J Neurosurg*. 1999 Jan;90(1):94-100. PubMed PMID: 10413161.

1091: Alden TD, Pittman DD, Beres EJ, Hankins GR, Kallmes DF, Wisotsky BM, Kerns KM, Helm GA. Percutaneous spinal fusion using bone morphogenetic protein-2 gene therapy. *J Neurosurg*. 1999 Jan;90(1 Suppl):109-14. PubMed PMID: 10413134.

- 1092: Chaddock JB, Sneyd JR, Pobereskin LH. The role of bupivacaine in early postoperative pain control after lumbar decompression. *J Neurosurg.* 1999 Jan;90(1 Suppl):67-72. PubMed PMID: 10413128.
- 1093: Steward O, Schauwecker PE, Guth L, Zhang Z, Fujiki M, Inman D, Wrathall J, Kempermann G, Gage FH, Saatman KE, Raghupathi R, McIntosh T. Genetic approaches to neurotrauma research: opportunities and potential pitfalls of murine models. *Exp Neurol.* 1999 May;157(1):19-42. Review. PubMed PMID: 10222106.
- 1094: Laws ER Jr, Thapar K. Pituitary surgery. *Endocrinol Metab Clin North Am.* 1999 Mar;28(1):119-31. Review. PubMed PMID: 10207687.
- 1095: Kassell NF. Charles George Drake, M.D. 1920-1998. *J Neurosurg.* 1999 Apr;90(4):797-801. PubMed PMID: 10193631.
- 1096: Laws ER Jr, Vance ML. Radiosurgery for pituitary tumors and craniopharyngiomas. *Neurosurg Clin N Am.* 1999 Apr;10(2):327-36. Review. PubMed PMID: 10099097.
- 1097: Várady P, Dheerendra P, Nyáry I, Vajda J, Ladislau S. [Neurosurgery using the Gamma Knife]. *Orv Hetil.* 1999 Feb 14;140(7):331-45. Hungarian. PubMed PMID: 10091503.
- 1098: Kaptain GJ, Lanzino G, Do HM, Kassell NF. Posterior inferior cerebellar artery aneurysms associated with posterior fossa arteriovenous malformation: report of five cases and literature review. *Surg Neurol.* 1999 Feb;51(2):146-52. Review. PubMed PMID: 10029418.
- 1099: Elias WJ, Lanzino G, Reitmeyer M, Jane JA. Solitary sarcoid granuloma of the cerebellopontine angle: a case report. *Surg Neurol.* 1999 Feb;51(2):185-90. PubMed PMID: 10029426.
- 1100: Simmons NE, Elias WJ, Henson SL, Laws ER. Small cell lung carcinoma causing epidural hematoma: case report. *Surg Neurol.* 1999 Jan;51(1):56-9. PubMed PMID: 9952124.
- 1101: Laws ER Jr. A neurosurgical way of life. The 1998 presidential address. *J Neurosurg.* 1998 Dec;89(6):901-10. PubMed PMID: 9833814.
- 1102: Simmons NE, Lanzino G, Phillips CD, Jane JA, Lin KY. Use of preoperative computed tomography-angiography in cranial remodeling: technical note. *Neurosurgery.* 1998 Oct;43(4):970-2; discussion 972-3. PubMed PMID: 9766331.
- 1103: Polin RS, Bavbek M, Shaffrey ME, Billups K, Bogaev CA, Kassell NF, Lee KS. Detection of soluble E-selectin, ICAM-1, VCAM-1, and L-selectin in the cerebrospinal fluid of patients after subarachnoid hemorrhage. *J Neurosurg.* 1998 Oct;89(4):559-67. PubMed PMID: 9761049.
- 1104: Lanzino G, diPierro CG, Laws ER Jr. Sutureless repair of major intracranial vessels with the Sundt clip-graft: technical note. *Acta Neurochir (Wien).* 1998;140(5):491-3. PubMed PMID: 9728251.
- 1105: Lanzino G, Kassell NF. Surgical treatment of the ruptured aneurysm. Timing. *Neurosurg Clin N Am.* 1998 Jul;9(3):541-8. Review. PubMed PMID: 9668185.
- 1106: Lanzino G, Jane JA Sr. Neurosurgery at the University of Virginia. *Neurosurgery.* 1998 Jul;43(1):133-41. PubMed PMID: 9657199.
- 1107: Polin RS, Hansen CA, German P, Chaddock JB, Kassell NF. Intra-arterially administered papaverine for the treatment of symptomatic cerebral vasospasm. *Neurosurgery.* 1998

Jun;42(6):1256-64; discussion 1264-7. PubMed PMID: 9632183.

1108: Polin RS, Sheehan JP, Chenelle AG, Munoz E, Larner J, Phillips CD, Cantrell RW, Laws ER Jr, Newman SA, Levine PA, Jane JA. The role of preoperative adjuvant treatment in the management of esthesioneuroblastoma: the University of Virginia experience. *Neurosurgery*. 1998 May;42(5):1029-37. Review. PubMed PMID: 9588547.

1109: Desmond NL, Weinberg RJ. Enhanced expression of AMPA receptor protein at perforated axospinous synapses. *Neuroreport*. 1998 Mar 30;9(5):857-60. PubMed PMID: 9579679.

1110: Steward O, Bakker CE, Willems PJ, Oostra BA. No evidence for disruption of normal patterns of mRNA localization in dendrites or dendritic transport of recently synthesized mRNA in FMR1 knockout mice, a model for human fragile-X mental retardation syndrome. *Neuroreport*. 1998 Feb 16;9(3):477-81. PubMed PMID: 9512393.

1111: Lanzino G, Kaptain GJ, Jane JA, Lin KY. Successful excision of a large immature teratoma involving the cranial base: report of a case with long-term follow-up. *Neurosurgery*. 1998 Feb;42(2):389-93. PubMed PMID: 9482192.

1112: Kwan AL, Lin CL, Yanamoto H, Howng SL, Kassell NF, Lee KS. Systemic administration of the potassium channel activator cromakalim attenuates cerebral vasospasm after experimental subarachnoid hemorrhage. *Neurosurgery*. 1998 Feb;42(2):347-50; discussion 350-1. PubMed PMID: 9482186.

1113: Germanson TP, Lanzino G, Kongable GL, Torner JC, Kassell NF. Risk classification after aneurysmal subarachnoid hemorrhage. *Surg Neurol*. 1998 Feb;49(2):155-63. PubMed PMID: 9457265.

1114: Zhang Z, Guth L, Steward O. Mechanisms of motor recovery after subtotal spinal cord injury: insights from the study of mice carrying a mutation (WldS) that delays cellular responses to injury. *Exp Neurol*. 1998 Jan;149(1):221-9. PubMed PMID: 9454631.

1115: Simmons NE, Laws ER Jr. Glioma occurrence after sellar irradiation: case report and review. *Neurosurgery*. 1998 Jan;42(1):172-8. Review. PubMed PMID: 9442520.

1116: Laws ER Jr, Pait TG, Jane JA Sr. Pitfalls and successes of peer review in neurosurgery. *J Neurosurg*. 1997 Dec;87(6):972-6. PubMed PMID: 9384415.

1117: Arthur AS, Fergus AH, Lanzino G, Mathys J, Kassell NF, Lee KS. Systemic administration of the iron chelator deferiprone attenuates subarachnoid hemorrhage-induced cerebral vasospasm in the rabbit. *Neurosurgery*. 1997 Dec;41(6):1385-91; discussion 1391-2. PubMed PMID: 9402590.

1118: Cloft HJ, Kallmes DF, Jensen JE, Dion JE. Percutaneous transvenous coil embolization of a type 4 sagittal sinus dural arteriovenous fistula: case report. *Neurosurgery*. 1997 Nov;41(5):1191-3; discussion 1193-4. PubMed PMID: 9361076.

1119: Lanzino G, Kaptain G, Kallmes DF, Dix JE, Kassell NF. Intracranial dissecting aneurysm causing subarachnoid hemorrhage: the role of computerized tomographic angiography and magnetic resonance angiography. *Surg Neurol*. 1997 Nov;48(5):477-81. PubMed PMID: 9352812.

1120: Tereskerz PM, Jagger J. Occupationally acquired HIV: the vulnerability of Healthcare workers under workers' compensation laws. *Am J Public Health*. 1997 Sep;87(9):1558-62. Review. PubMed PMID: 9314817; PubMed Central PMCID: PMC1380991.

1121: Kallmes DF, Kallmes MH, Lanzino G, Kassell NF, Jensen ME, Helm GA. Routine angiography after surgery for ruptured intracranial aneurysms: a cost versus benefit analysis. *Neurosurgery*. 1997 Sep;41(3):629-39; discussion 639-41. PubMed PMID: 9310981.

1122: Lanzino G, Cloft H, Hemstreet MK, West K, Alston S, Ishitani M. Reversible posterior leukoencephalopathy following organ transplantation. Description of two cases. *Clin Neurol Neurosurg*. 1997 Aug;99(3):222-6. PubMed PMID: 9350407.

1123: Lanzino G, diPierro CG, Ruth RA, Helm G, Jane JA. Recovery of useful hearing after posterior fossa surgery: the role of otoacoustic emissions: case report. *Neurosurgery*. 1997 Aug;41(2):469-72; discussion 472-3. PubMed PMID: 9257316.

1124: Laws ER Jr. Referral guidelines: carpal tunnel syndrome. *Neurosurg Focus*. 1997 Jul 15;3(1):e11. PubMed PMID: 15099048.

1125: Sheehan JM, Helm GA, Kallmes DF, Bogaev CA, Jane JA. Partial pediculectomy in the treatment of lumbar spinal stenosis: technical note. *Neurosurgery*. 1997 Jul;41(1):308-10. PubMed PMID: 9218325.

1126: Polin RS, Shaffrey ME, Bogaev CA, Tisdale N, Germanson T, Bocchicchio B, Jane JA. Decompressive bifrontal craniectomy in the treatment of severe refractory posttraumatic cerebral edema. *Neurosurgery*. 1997 Jul;41(1):84-92; discussion 92-4. PubMed PMID: 9218299.

1127: Kamiryo T, Laws ER Jr. Identification and localization of intracerebral vessels by microvascular doppler in stereotactic pallidotomy and thalamotomy: technical note. *Neurosurgery*. 1997 Apr;40(4):877-8; discussion 878-9. PubMed PMID: 9092867.

1128: Lanzino G, diPierro CG, Laws ER Jr. One century after the description of the "sign": Joseph Babinski and his contribution to neurosurgery. *Neurosurgery*. 1997 Apr;40(4):822-8; discussion 828. PubMed PMID: 9092856.

1129: Lanzino G, Fergus AH, Jensen ME, Kongable GL, Kassell NF. Long-term outcome after surgical excision of parenchymal arteriovenous malformations in patients over 60 years of age. *Surg Neurol*. 1997 Mar;47(3):258-63; discussion 263-4. PubMed PMID: 9068697.

1130: Toyoda T, Kassell NF, Lee KS. Attenuation of ischemia-reperfusion injury in the rat neocortex by the hydroxyl radical scavenger nicaraven. *Neurosurgery*. 1997 Feb;40(2):372-7; discussion 377-8. PubMed PMID: 9007872.

1131: Laws ER Jr. Management of a prolactin macroadenoma with visual loss: Indications for surgery. *J Clin Neurosci*. 1997 Jan;4(1):64-5. PubMed PMID: 18638927.

1132: Hinckley K, Pausch R, Downs JH, Proffitt D, Kassell NF. The props-based interface for neurosurgical visualization. *Stud Health Technol Inform*. 1997;39:552-62. PubMed PMID: 10168950.

1133: Kassell NF, Downs JH 3rd, Graves BS. Telepresence in neurosurgery: the integrated remote neurosurgical system. *Stud Health Technol Inform*. 1997;39:411-9. PubMed PMID: 10168936.

1134: Toyoda T, Suzuki S, Kassell NF, Lee KS. Intraischemic hypothermia attenuates neutrophil infiltration in the rat neocortex after focal ischemia-reperfusion injury. *Neurosurgery*. 1996 Dec;39(6):1200-5. PubMed PMID: 8938775.

1135: Laws ER Jr, Bertram EH 3rd. Epilepsy surgery in children and adolescents. *Neurosurg Focus*.

1996 Nov 15;1(5):e1. PubMed PMID: 15099054.

1136: Replogle RE, Lanzino G, Francel P, Henson S, Lin K, Jane JA. Acrylic cranioplasty using miniplate struts. *Neurosurgery*. 1996 Oct;39(4):747-9. PubMed PMID: 8880768.

1137: Sheehan JP, Kallmes DF, Sheehan JM, Jane JA Jr, Fergus AH, diPierro CG, Simmons NE, Makel DD, Helm GA. Molecular methods of enhancing lumbar spine fusion. *Neurosurgery*. 1996 Sep;39(3):548-54. PubMed PMID: 8875485.

1138: Macciocchi SN, Barth JT, Alves W, Rimel RW, Jane JA. Neuropsychological functioning and recovery after mild head injury in collegiate athletes. *Neurosurgery*. 1996 Sep;39(3):510-4. PubMed PMID: 8875480.

1139: Spiekermann BF, Stone DJ, Bogdonoff DL, Yemen TA. Airway management in neuroanaesthesia. *Can J Anaesth*. 1996 Aug;43(8):820-34. Review. PubMed PMID: 8840062.

1140: Fujiki M, Zhang Z, Guth L, Steward O. Genetic influences on cellular reactions to spinal cord injury: activation of macrophages/microglia and astrocytes is delayed in mice carrying a mutation (WldS) that causes delayed Wallerian degeneration. *J Comp Neurol*. 1996 Jul 29;371(3):469-84. PubMed PMID: 8842900.

1141: Laws ER Jr, Thorner MO, Vance ML. Bromocriptine therapy for prolactin-secreting pituitary neuroendocrine tumors. *Neurosurg Focus*. 1996 Jul 15;1(1):e4; discussion 1p following e6. PubMed PMID: 15095998.

1142: Polin RS, Shaffrey ME, Jensen ME, Braden L, Ferguson RD, Dion JE, Kassell NF. Medical management in the endovascular treatment of carotid-cavernous aneurysms. *J Neurosurg*. 1996 May;84(5):755-61. PubMed PMID: 8622148.

1143: Levy WB, Baxter RA. Energy efficient neural codes. *Neural Comput*. 1996 Apr 1;8(3):531-43. PubMed PMID: 8868566.

1144: Polin RS, Szabo T, Bogaev CA, Replogle RE, Jane JA. Nonoperative management of Types II and III odontoid fractures: the Philadelphia collar versus the halo vest. *Neurosurgery*. 1996 Mar;38(3):450-6; discussion 456-7. PubMed PMID: 8837795.

1145: Laws ER. Imaging brain tumors – beyond three dimensions. *Nat Med*. 1996 Mar;2(3):271-2. PubMed PMID: 8612217.

1146: Wu X, Baxter RA, Levy WB. Context codes and the effect of noisy learning on a simplified hippocampal CA3 model. *Biol Cybern*. 1996 Feb;74(2):159-65. PubMed PMID: 8634367.

1147: Jane JA Sr, Jane JA Jr, Helm GA, Kallmes DF, Shaffrey CI, Chaddock JB, DiPierro CG. Acquired lumbar spinal stenosis. *Clin Neurosurg*. 1996;43:275-99. Review. PubMed PMID: 9247811.

1148: Phillips LH 2nd, Jane JA. Electrophysiologic monitoring during tethered spinal cord release. *Clin Neurosurg*. 1996;43:163-74. PubMed PMID: 9247801.

1149: Jane JA Sr, Jane JA Jr. Treatment of craniosynostosis. *Clin Neurosurg*. 1996;43:139-62. PubMed PMID: 9247800.

1150: Jane JA Sr, Newman SA. Transcranial orbital surgery. *Clin Neurosurg*. 1996;43:53-71. Review. PubMed PMID: 9247795.

- 1151: August DA, Levy WB. A simple spike train decoder inspired by the sampling theorem. *Neural Comput.* 1996 Jan;8(1):67-84. PubMed PMID: 8564804.
- 1152: Polin RS, Shaffrey ME, Phillips CD, Germanson T, Jane JA. Multivariate analysis and prediction of outcome following penetrating head injury. *Neurosurg Clin N Am.* 1995 Oct;6(4):689-99. Review. PubMed PMID: 8527911.
- 1153: Shaffrey CI, Munoz EL, Sutton CL, Alston SR, Shaffrey ME, Laws ER Jr. Tumoral calcium pyrophosphate dihydrate deposition disease mimicking a cervical spine neoplasm: case report. *Neurosurgery.* 1995 Aug;37(2):335-9. PubMed PMID: 7477790.
- 1154: Laws ER Jr, Stieg PE, Goumnerova L, Schwartz RB, Anthony DC. Acute presentation of an intracranial mass. *Neurosurgery.* 1995 Jul;37(1):109-13. PubMed PMID: 8587668.
- 1155: Chenelle AG, Shaffrey ME, Delashaw JB Jr, Jane JA. Neurosurgical considerations of cranial base surgery. *Clin Plast Surg.* 1995 Jul;22(3):451-60. Review. PubMed PMID: 7554716.
- 1156: Pilipuf MN, Goble JC, Kassell NF. A noninvasive thermoplastic head immobilization system. Technical note. *J Neurosurg.* 1995 Jun;82(6):1082-5. PubMed PMID: 7760185.
- 1157: Knight JC, Wika KG. Software safety in medical applications. *J Image Guid Surg.* 1995;1(3):121-32. PubMed PMID: 9079437.
- 1158: Laws ER Jr. Radical resection for the treatment of glioma. *Clin Neurosurg.* 1995;42:480-7. Review. PubMed PMID: 8846612.
- 1159: Messer EJ, Carlson RS, O'Keefe JS, Bill TJ, Luce CA, Thacker JG, Edlich RF. Evolution of powered surgical instruments. *J Long Term Eff Med Implants.* 1995;5(2):129-46. PubMed PMID: 10163357.
- 1160: Pevehouse BC, Colenbrander A. The United States Neurological Surgery Residency Matching Program. *Neurosurgery.* 1994 Dec;35(6):1172-5; discussion 1175-82. PubMed PMID: 7885568.
- 1161: Laws ER Jr. The binding influence of the *Journal of Neurosurgery* on the evolution of neurosurgery. *J Neurosurg.* 1994 Aug;81(2):317-21. PubMed PMID: 8027821.
- 1162: Francel PC, Bell A, Jane JA. Operative positioning for patients undergoing repair of craniosynostosis. *Neurosurgery.* 1994 Aug;35(2):304-6; discussion 306. PubMed PMID: 7969839.
- 1163: Goto Y, Kassell NF, Hiramatsu K, Hong SC, Soleau SW, Lee KS. Effects of two dual-function compounds, U92798 and U92032, on transient focal ischemia in rats. *Neurosurgery.* 1994 Feb;34(2):332-7; discussion 337-8. PubMed PMID: 8177395.
- 1164: Foley PL, Caner HH, Kassell NF, Lee KS. Reversal of subarachnoid hemorrhage-induced vasoconstriction with an endothelin receptor antagonist. *Neurosurgery.* 1994 Jan;34(1):108-12; discussion 112-3. PubMed PMID: 8121547.
- 1165: Francel PC, Long BA, Malik JM, Tribble C, Jane JA, Kron IL. Limiting ischemic spinal cord injury using a free radical scavenger 21-aminosteroid and/or cerebrospinal fluid drainage. *J Neurosurg.* 1993 Nov;79(5):742-51. PubMed PMID: 8410254.
- 1166: Sagher O, Malik JM, Lee JH, Shaffrey CI, Shaffrey ME, Szabo TA, Jane JA. Fusion with occipital bone for atlantoaxial instability: technical note. *Neurosurgery.* 1993 Nov;33(5):926-8; discussion 928-9. PubMed PMID: 8264896.

1167: Phillips LH 2nd, Park TS. The frequency of intradural conjoined lumbosacral dorsal nerve roots found during selective dorsal rhizotomy. *Neurosurgery*. 1993 Jul;33(1):88-90; discussion 90-1. PubMed PMID: 8355852.

1168: Goto Y, Kassell NF, Hiramatsu K, Soleau SW, Lee KS. Effects of intraischemic hypothermia on cerebral damage in a model of reversible focal ischemia. *Neurosurgery*. 1993 Jun;32(6):980-4; discussion 984-5. PubMed PMID: 8327102.

1169: Takahashi S, Kassell NF, Toshima M, Dougherty DA, Foley PL, Lee KS. Effect of U88999E on experimental cerebral vasospasm in rabbits. *Neurosurgery*. 1993 Feb;32(2):281-8; discussion 288. PubMed PMID: 8437666.

1170: Minai AA, Levy WB. The dynamics of sparse random networks. *Biol Cybern*. 1993;70(2):177-87. PubMed PMID: 8312406.

1171: Pasqualin A, Tsukahara T, Kassell NF, Torner JC. Effect of nicardipine on basilar artery vasoactive responses after subarachnoid hemorrhage. *Neurosurgery*. 1992 Oct;31(4):697-703; discussion 703-4. PubMed PMID: 1407455.

1172: Shaffrey ME, Jane JA, Persing JA, Shaffrey CI, Phillips LH. Surgeon's foot: a report of sural nerve palsy. *Neurosurgery*. 1992 Jun;30(6):927-30. PubMed PMID: 1319563.

1173: Jagger J. Prevention of brain trauma by legislation, regulation, and improved technology: a focus on motor vehicles. *J Neurotrauma*. 1992 Mar;9 Suppl 1:S313-6. Review. PubMed PMID: 1588622.

1174: Shaffrey ME, Polin RS, Phillips CD, Germanson T, Shaffrey CI, Jane JA. Classification of civilian craniocerebral gunshot wounds: a multivariate analysis predictive of mortality. *J Neurotrauma*. 1992 Mar;9 Suppl 1:S279-85. PubMed PMID: 1588617.

1175: Lee JH, Malik J, Park TS. Ventriculoatrial shunt via the transverse sinus: technical note. *Neurosurgery*. 1992 Feb;30(2):249-52. PubMed PMID: 1545894.

1176: Tanaka Y, Kassell NF, Machi T, Toshima M, Dougherty DA. Effect of bilirubin on rabbit cerebral arteries in vivo and in vitro. *Neurosurgery*. 1992 Feb;30(2):195-201. PubMed PMID: 1545887.

1177: Goldschmidt RB, Steward O. Retrograde regulation of neuronal size in the entorhinal cortex: consequences of the destruction of dentate gyrus granule cells with colchicine. *Restor Neurol Neurosci*. 1992 Jan 1;3(6):335-43. doi: 10.3233/RNN-1992-3606. PubMed PMID: 21551891.

1178: Goldschmidt RB, Steward O. Fate of afferents to the dentate gyrus following destruction of granule cells with colchicine. *Restor Neurol Neurosci*. 1992 Jan 1;3(6):321-34. doi: 10.3233/RNN-1992-3605. PubMed PMID: 21551890.

1179: Shaffrey ME, Persing JA, Shaffrey CI, Jane JA. Duraplasty in cranial base resection. *J Craniofac Surg*. 1991 Dec;2(3):152-5. PubMed PMID: 1814496.

1180: Quate EG, Wika KG, Lawson MA, Gillies GT, Ritter RC, Grady MS, Howard MA 3rd. Goniometric motion controller for the superconducting coil in a magnetic stereotaxis system. *IEEE Trans Biomed Eng*. 1991 Sep;38(9):899-905. PubMed PMID: 1743738.

1181: Lee KS, Frank S, Vanderklish P, Arai A, Lynch G. Inhibition of proteolysis protects hippocampal neurons from ischemia. *Proc Natl Acad Sci U S A*. 1991 Aug 15;88(16):7233-7. PubMed PMID: 1871130; PubMed Central PMCID: PMC52268.

1182: Pasqualin A, Vollmer DG, Marron JA, Tsukahara T, Kassell NF, Torner JC. The effect of nicardipine on vasospasm in rabbit basilar artery after subarachnoid hemorrhage. *Neurosurgery*. 1991 Aug;29(2):183-8. PubMed PMID: 1886655.

1183: Shaffrey ME, Persing JA, Delashaw JB, Shaffrey CI, Jane JA. Surgical treatment of metopic synostosis. *Neurosurg Clin N Am*. 1991 Jul;2(3):621-7. Review. PubMed PMID: 1821308.

1184: Harris MM, Kahana MD, Park TS. Intrathecal morphine for postoperative analgesia in children after selective dorsal root rhizotomy. *Neurosurgery*. 1991 Apr;28(4):519-22. PubMed PMID: 2034345.

1185: Tanaka Y, Machi T, Nihei H, Kassell NF. Effect of subarachnoid hemorrhage on serotonin uptake and release in the rabbit basilar artery. *Neurosurgery*. 1991 Mar;28(3):387-92; discussion 392-3. PubMed PMID: 2011220.

1186: Maillard MC, Arlinghaus L, Glashofer M, Lee KS, Jacobson KA. PHOTOLABILE A(1)-ADENOSINE RECEPTOR AGONISTS AS "CAGED" ELECTROPHYSIOLOGICAL PROBES. *Med Chem Res*. 1991;1:322-329. PubMed PMID: 26146471; PubMed Central PMCID: PMC4489149.

1187: Broaddus WC, Grady MS, Delashaw JB Jr, Ferguson RD, Jane JA. Preoperative superselective arteriolar embolization: a new approach to enhance resectability of spinal tumors. *Neurosurgery*. 1990 Nov;27(5):755-9. PubMed PMID: 2259405.

1188: Nakagomi T, Kassell NF, Hongo K, Sasaki T. Pharmacological reversibility of experimental cerebral vasospasm. *Neurosurgery*. 1990 Oct;27(4):582-6. PubMed PMID: 2234362.

1189: Broaddus WC, Bennett JP Jr. Peripheral-type benzodiazepine receptors in human glioblastomas: pharmacologic characterization and photoaffinity labeling of ligand recognition site. *Brain Res*. 1990 Jun 4;518(1-2):199-208. PubMed PMID: 2167748.

1190: Delashaw JB, Broaddus WC, Kassell NF, Haley EC, Pendleton GA, Vollmer DG, Maggio WW, Grady MS. Treatment of right hemispheric cerebral infarction by hemicraniectomy. *Stroke*. 1990 Jun;21(6):874-81. PubMed PMID: 2349590.

1191: Ibayashi N, Herman MM, Boyd JC, Rubinstein LJ. Relationship of invasiveness to proliferating activity and to cytoskeletal protein production in human neuroepithelial tumors maintained in an organ culture system: use of human cortex and dura as supporting matrices. *Neurosurgery*. 1990 Apr;26(4):629-37. PubMed PMID: 2109841.

1192: Shaffrey CI, Spotnitz WD, Shaffrey ME, Jane JA. Neurosurgical applications of fibrin glue: augmentation of dural closure in 134 patients. *Neurosurgery*. 1990 Feb;26(2):207-10. PubMed PMID: 2308667.

1193: Haworth CS, Pobereskin LH. Middle fossa arachnoid cyst eroding into the middle ear: case report. *Neurosurgery*. 1990 Jan;26(1):154-5. PubMed PMID: 2294471.

1194: Levy WB. Hippocampal theories and the information/computation perspective. *NIDA Res Monogr*. 1990;97:116-25. PubMed PMID: 2247134.

1195: Chang HS, Steward O, Kassell NF. Decreases in excitatory synaptic transmission and increases in recurrent inhibition in the rat dentate gyrus after transient cerebral ischemia. *Brain Res*. 1989 Dec 29;505(2):220-4. PubMed PMID: 2598040.

1196: Nihei H, Kanemitsu H, Tamura A, Oka H, Sano K. Cerebral uric acid, xanthine, and hypoxanthine

- after ischemia: the effect of allopurinol. *Neurosurgery*. 1989 Oct;25(4):613-7. PubMed PMID: 2797398.
- 1197: Colohan AR, Alves WM, Gross CR, Torner JC, Mehta VS, Tandon PN, Jane JA. Head injury mortality in two centers with different emergency medical services and intensive care. *J Neurosurg*. 1989 Aug;71(2):202-7. PubMed PMID: 2746344.
- 1198: Chang HS, Sasaki T, Kassell NF. Hippocampal unit activity after transient cerebral ischemia in rats. *Stroke*. 1989 Aug;20(8):1051-8. PubMed PMID: 2547253.
- 1199: Bonnin JM, Rubinstein LJ. Astroblastomas: a pathological study of 23 tumors, with a postoperative follow-up in 13 patients. *Neurosurgery*. 1989 Jul;25(1):6-13. PubMed PMID: 2755581.
- 1200: Tsukahara T, Hongo K, Kassell NF, Ogawa H. The influence of experimental subarachnoid hemorrhage on the relaxation induced by vasoactive intestinal polypeptide in the cerebral arteries of the rabbit. *Neurosurgery*. 1989 May;24(5):731-5. PubMed PMID: 2541369.
- 1201: Delashaw JB, Persing JA, Broaddus WC, Jane JA. Cranial vault growth in craniosynostosis. *J Neurosurg*. 1989 Feb;70(2):159-65. PubMed PMID: 2913214.
- 1202: Germanson T. Screening for HIV: can we afford the confusion of the false positive rate? *J Clin Epidemiol*. 1989;42(12):1235-7. PubMed PMID: 2585014.
- 1203: Haworth CS, de Villiers JC. Stab wounds to the temporal fossa. *Neurosurgery*. 1988 Oct;23(4):431-5. PubMed PMID: 3200372.
- 1204: Reeves TM, Steward O. Changes in the firing properties of neurons in the dentate gyrus with denervation and reinnervation: implications for behavioral recovery. *Exp Neurol*. 1988 Oct;102(1):37-49. PubMed PMID: 3181351.
- 1205: Jagger J, Hunt EH, Brand-Elnaggar J, Pearson RD. Rates of needle-stick injury caused by various devices in a university hospital. *N Engl J Med*. 1988 Aug 4;319(5):284-8. PubMed PMID: 3393183.
- 1206: Hongo K, Nakagomi T, Kassell NF, Sasaki T, Lehman M, Vollmer DG, Tsukahara T, Ogawa H, Torner J. Effects of aging and hypertension on endothelium-dependent vascular relaxation in rat carotid artery. *Stroke*. 1988 Jul;19(7):892-7. PubMed PMID: 3388460.
- 1207: Derdeyn CP, Delashaw JB, Broaddus WC, Jane JA. Detection of shunt-induced intracerebral hemorrhage by postoperative skull films: a report of two cases. *Neurosurgery*. 1988 Apr;22(4):755-7. PubMed PMID: 3374789.
- 1208: Whitehill R, Cicoria AD, Hooper WE, Maggio WW, Jane JA. Posterior cervical reconstruction with methyl methacrylate cement and wire: a clinical review. *J Neurosurg*. 1988 Apr;68(4):576-84. PubMed PMID: 3351586.
- 1209: Zuccarello M, Kassell NF, Sasaki T, Fujiwara S, Nakagomi T, Lehman RM. Barrier disruption in the major cerebral arteries after experimental subarachnoid hemorrhage in spontaneously hypertensive and normotensive rats. *Neurosurgery*. 1987 Oct;21(4):515-22. PubMed PMID: 3683785.
- 1210: Winn HR, Rodeheaver G, Moore P, Wheeler C. A new model for experimental brain abscess in rats and mice. *Surg Forum*. 1978;29:500-2. PubMed PMID: 401417.
- 1211: Butler AB, Bass NH, Johnson RN. Experimental subarachnoid hemorrhage in the rat: acute effects of blood components on mechanisms of cerebrospinal fluid absorption. *Surg Forum*.

1978;29:516-8. PubMed PMID: 233839.

1212: Steward O, Scoville SA, Vinsant SL. Analysis of collateral projections with a double retrograde labeling technique. Neurosci Lett. 1977 Jun;5(1-2):1-5. PubMed PMID: 19604962.

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Johnson AEW, Aboab J, Raffa JD, Pollard TJ, Deliberato RO, Celi LA, Stone DJ. A Comparative Analysis of Sepsis Identification Methods in an Electronic Database. Crit Care Med. 2018 Jan 4. doi: 10.1097/CCM.0000000000002965. [Epub ahead of print] PubMed PMID: 29303796.

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