

**Department of Neurological Surgery**  
**University of Washington, Seattle**  
**Faculty, Resident and Fellow Publications, 2016**

1. Bales J, Morton RP, Airhart N, Flum D, Avellino AM. Transanal presentation of a distal ventriculoperitoneal shunt catheter: Management of bowel perforation without laparotomy. *Surg Neurol Int.* 2016 Dec 28;7(Suppl 44):S1150-S1153. doi: 10.4103/2152-7806.196930. eCollection 2016. PMID:28194303 | PMCID:PMC5299151
2. Hanak BW, Tomycz L, Oxford RG, Hooper E, Apkon SD, **Browd SR**. An algorithmic approach to the management of unrecognized hydrocephalus in pediatric candidates for intrathecal baclofen pump implantation. *Surg Neurol Int.* 2016 Dec 20;7:105. doi: 10.4103/2152-7806.196236. eCollection 2016. PMID:28168091 | PMCID:PMC5223398
3. Florczyk SJ, **Kievit FM**, Wang K, Erickson AE, **Ellenbogen RG**, Zhang M. 3D Porous Chitosan-Alginate Scaffolds Promote Proliferation and Enrichment of Cancer Stem-Like Cells. *J Mater Chem B Mater Biol Med.* 2016 Oct 14;4(38):6326-6334. doi: 10.1039/C6TB01713D. Epub 2016 Aug 31. PMID:28133535 | PMCID:PMC5260821
4. **Chesnut RM**. Craniectomy for Traumatic Intracranial Hypertension. *N Engl J Med.* 2016 Dec 15;375(24):2403. No abstract available. PMID:28032968
5. Liu TT, Achrol AS, Mitchell LA, Rodriguez SA, Feroze A, Iv M, Kim C, Chaudhary N, Gevaert O, Stuart JM, Harsh GR, Chang SD, Rubin DL. Magnetic resonance perfusion image features uncover an angiogenic subgroup of glioblastoma patients with poor survival and better response to antiangiogenic treatment. *Neuro Oncol.* 2016 Dec 22. pii: now270. doi: 10.1093/neuonc/now270. [Epub ahead of print] PMID:28007759
6. Collins KL, Guterstam A, Cronin J, Olson JD, Ehrsson HH, **Ojemann JG**. Ownership of an artificial limb induced by electrical brain stimulation. *Proc Natl Acad Sci U S A.* 2017 Jan 3;114(1):166-171. doi: 10.1073/pnas.1616305114. Epub 2016 Dec 19. PMID:27994147 | PMCID:PMC5224395
7. Stephen ZR, Gebhart RN, Jeon M, Blair AA, **Ellenbogen RG**, Silber JR, Zhang M. pH-Sensitive O6-Benzylguanosine Polymer Modified Magnetic Nanoparticles for Treatment of Glioblastomas. *Bioconjug Chem.* 2017 Jan 18;28(1):194-202. doi: 10.1021/acs.bioconjchem.6b00545. Epub 2016 Dec 12. PMID:27936607 | PMCID:PMC5510587
8. Rakes L, King M, Johnston B, **Chesnut R**, Grant R, Vavilala M. Development and implementation of a standardized pathway in the Pediatric Intensive Care Unit for children with severe traumatic brain injuries. *BMJ Qual Improv Rep.* 2016 Nov 22;5(1). pii: u213581.w5431. eCollection 2016. PMID:27933158 | PMCID:PMC5128781
9. Herron JA, Thompson MC, Brown T, Chizeck HJ, **Ojemann JG**, **Ko AL**. Chronic electrocorticography for sensing movement intention and closed-loop deep brain stimulation with wearable sensors in an essential tremor patient. *J Neurosurg.* 2016 Nov 18:1-8. doi: 10.3171/2016.8.JNS16536. [Epub ahead of print] PMID:27858575
10. Pajtler KW, Mack SC, Ramaswamy V, Smith CA, Witt H, Smith A, Hansford JR, von Hoff K, Wright KD, Hwang E, Frappaz D, Kanemura Y, Massimino M, Faure-Conter C, Modena P, Tabori U, Warren KE, **Holland EC**, Ichimura K, Giangaspero F, Castel D, von Deimling A, et al. The current consensus on the clinical management of intracranial ependymoma and its

distinct molecular variants. *Acta Neuropathol.* 2017 Jan;133(1):5-12. doi: 10.1007/s00401-016-1643-0. Epub 2016 Nov 17. PMID:27858204 | PMCID:PMC5209402

11. Haberthur K, Brennan K, Hoglund V, Balcitis S, Chinn H, Davis A, Kreuser S, Winter C, Leary SE, Deutsch GH, **Ellenbogen RG**, **Crane CA**. NKG2D ligand expression in pediatric brain tumors. *Cancer Biol Ther.* 2016 Dec;17(12):1253-1265. doi: 10.1080/15384047.2016.1250047. Epub 2016 Nov 11. PMID:27834580 | PMCID:PMC5199167
12. Yue JK, Winkler EA, Rick JW, Burke JF, McAllister TW, Oh SS, Burchard EG, Hu D, Rosand J, **Temkin NR**, Korley FK, Sorani MD, Ferguson AR, Lingsma HF, Sharma S, Robinson CK, Yuh EL, Tarapore PE, Wang KK, Puccio AM, Mukherjee P, Diaz-Arrastia R, et al. DRD2 C957T polymorphism is associated with improved 6-month verbal learning following traumatic brain injury. *Neurogenetics.* 2017 Jan;18(1):29-38. doi: 10.1007/s10048-016-0500-6. Epub 2016 Nov 8. PMID:27826691
13. Abecassis IJ, Nerva JD, Ghodke BV, **Sekhar LN**, **Levitt MR**, **Kim LJ**. The dual microcatheter technique for transvenous embolization of dural arteriovenous fistulae. *J Neurointerv Surg.* 2017 Jun;9(6):578-582. doi: 10.1136/neurintsurg-2016-012713. Epub 2016 Nov 7. PMID:27821474
14. Miroshnikova YA, Mouw JK, Barnes JM, Pickup MW, Lakins JN, Kim Y, Lobo K, Persson AI, Reis GF, McKnight TR, **Holland EC**, Phillips JJ, Weaver VM. Tissue mechanics promote IDH1-dependent HIF1 $\alpha$ -tenascin C feedback to regulate glioblastoma aggression. *Nat Cell Biol.* 2016 Dec;18(12):1336-1345. doi: 10.1038/ncb3429. Epub 2016 Nov 7. PMID:27820599 | PMCID:PMC5361403
15. Whitehead WE, Riva-Cambrin J, Kulkarni AV, Wellons JC 3rd, Rozzelle CJ, Tamber MS, Limbrick DD Jr, **Browd SR**, Naftel RP, Shannon CN, Simon TD, Holubkov R, Illner A, Cochrane DD, Drake JM, Luerssen TG, Oakes WJ, Kestle JR; for the Hydrocephalus Clinical Research Network. Ventricular catheter entry site and not catheter tip location predicts shunt survival: a secondary analysis of 3 large pediatric hydrocephalus studies. *J Neurosurg Pediatr.* 2017 Feb;19(2):157-167. doi: 10.3171/2016.8.PEDS16229. Epub 2016 Nov 4. PMID:27813457
16. Wang K, **Kievit FM**, Erickson AE, Silber JR, **Ellenbogen RG**, Zhang M. Culture on 3D Chitosan-Hyaluronic Acid Scaffolds Enhances Stem Cell Marker Expression and Drug Resistance in Human Glioblastoma Cancer Stem Cells. *Adv Healthc Mater.* 2016 Dec;5(24):3173-3181. doi: 10.1002/adhm.201600684. Epub 2016 Nov 2. PMID:27805789 | PMCID:PMC5253135
17. Abecassis IJ, Nerva JD, Barber J, Rockhill J, **Ellenbogen RG**, **Kim LJ**, **Sekhar LN**. Toward a comprehensive assessment of functional outcomes in pediatric patients with brain arteriovenous malformations: the Pediatric Quality of Life Inventory. *J Neurosurg Pediatr.* 2016 Nov;18(5):611-622. Epub 2016 Aug 19. PMID:27540697
18. Connolly ES Jr, **Ellenbogen RG**. Editorial: A new definition of postconcussive syndrome. *J Neurosurg.* 2016 Nov;125(5):1204-1205. Epub 2016 Feb 26. No abstract available. PMID:26918480
19. Dikmen S, Machamer J, **Temkin N**. Mild Traumatic Brain Injury: Longitudinal Study of Cognition, Functional Status, and Post-Traumatic Symptoms. *J Neurotrauma.* 2017 Apr 15;34(8):1524-1530. doi: 10.1089/neu.2016.4618. Epub 2016 Dec 2. PMID:27785968 | PMCID:PMC5397200
20. Winkler EA, Yue JK, Ferguson AR, **Temkin NR**, Stein MB, Barber J, Yuh EL, Sharma S, Satriis GG, McAllister TW, Rosand J, Sorani MD, Lingsma HF, Tarapore PE, Burchard EG, Hu D, Eng C, Wang KK, Mukherjee P, Okonkwo DO, Diaz-Arrastia R, Manley GT; et al. COMT Val(158)Met polymorphism is associated with post-traumatic stress disorder and functional outcome

- following mild traumatic brain injury. *J Clin Neurosci*. 2017 Jan;35:109-116. doi: 10.1016/j.jocn.2016.09.017. Epub 2016 Oct 18. PMID:27769642
21. Readdy WJ, **Saigal R**, Whetstone WD, Mefford AN, Ferguson AR, Talbott JF, Inoue T, Bresnahan JC, Beattie MS, Pan J, Manley GT, Dhall SS. Failure of Mean Arterial Pressure Goals to Improve Outcomes Following Penetrating Spinal Cord Injury. *Neurosurgery*. 2016 Nov;79(5):708-714. PMID:27759678
  22. **Khaing ZZ**, Ehsanipour A, **Hofstetter CP**, Seidlits SK. Injectable Hydrogels for Spinal Cord Repair: A Focus on Swelling and Intraspinous Pressure. *Cells Tissues Organs*. 2016;202(1-2):67-84. Epub 2016 Oct 5. Review. PMID:27701162
  23. Collins MW, Kontos AP, Okonkwo DO, Almquist J, Bailes J, Barisa M, Bazarian J, Bloom OJ, Brody DL, Cantu R, Cardenas J, Clugston J, Cohen R, Echemendia R, Elbin RJ, **Ellenbogen R**, Fonseca J, Gioia G, Guskiewicz K, Heyer R, Hotz G, Iverson GL, et al. Statements of Agreement From the Targeted Evaluation and Active Management (TEAM) Approaches to Treating Concussion Meeting Held in Pittsburgh, October 15-16, 2015. *Neurosurgery*. 2016 Dec;79(6):912-929. PMID:27741219 | PMCID:PMC5119544
  24. I Karipidis I, Pleisch G, Rathlisberger M, **Hofstetter C**, Dornbierer D, Staumpfli P, Brem S. Neural initialization of audiovisual integration in prereaders at varying risk for developmental dyslexia. *Hum Brain Mapp*. 2017 Feb;38(2):1038-1055. doi: 10.1002/hbm.23437. Epub 2016 Oct 14. PMID:27739608
  25. Simon TD, Kronman MP, Whitlock KB, Gove N, **Browd SR**, Holubkov R, Kestle JR, Kulkarni AV, Langley M, Limbrick DD Jr, Luerssen TG, Oakes J, Riva-Cambrin J, Rozzelle C, Shannon C, Tamber M, Wellons JC 3rd, Whitehead WE, Mayer-Hamblett N; Hydrocephalus Clinical Research Network (HCRN).. Variability in Management of First Cerebrospinal Fluid Shunt Infection: A Prospective Multi-Institutional Observational Cohort Study. *J Pediatr*. 2016 Dec;179:185-191.e2. doi: 10.1016/j.jpeds.2016.08.094. Epub 2016 Sep 28. PMID:27692463 | PMCID:PMC5123958
  26. **Buckley RT**, Wang AC, Miller JW, Novotny EJ, **Ojemann JG**. Stereotactic laser ablation for hypothalamic and deep intraventricular lesions. *Neurosurg Focus*. 2016 Oct;41(4):E10. PMID:27690656
  27. **McEvoy SD**, **Lee A**, Poliakov A, Friedman S, Shaw D, **Browd SR**, **Ellenbogen RG**, **Ojemann JG**, **Mac Donald CL**. Longitudinal cerebellar diffusion tensor imaging changes in posterior fossa syndrome. *Neuroimage Clin*. 2016 Sep 9;12:582-590. eCollection 2016. PMID:27689022 | PMCID:PMC5031477
  28. **Williams MA**, Malm J, Eklund A, Horton NJ, Voss SE. Distortion Product Otoacoustic Emissions and Intracranial Pressure During CSF Infusion Testing. *Aerosp Med Hum Perform*. 2016;87(10):844-851. PMID:27662346
  29. **Bales J**, Cho S, Tran TK, Korab GA, Khandelwal N, Spiekerman CF, Joffe AM. The Effect of Hyponatremia and Sodium Variability on Outcomes in Adults with Aneurysmal Subarachnoid Hemorrhage. *World Neurosurg*. 2016 Dec;96:340-349. doi: 10.1016/j.wneu.2016.09.005. Epub 2016 Sep 13. PMID:27637165
  30. **Ramirez JM**, Dashevskiy T, Marlin IA, Baertsch N. Microcircuits in respiratory rhythm generation: commonalities with other rhythm generating networks and evolutionary perspectives. *Curr Opin Neurobiol*. 2016 Dec;41:53-61. doi: 10.1016/j.conb.2016.08.003. Epub 2016 Aug 30. Review. PMID:27589601 | PMCID:PMC5495096
  31. Ravinder S, Donckels EA, Ramirez JS, Christakis DA, **Ramirez JM**, Ferguson SM. Excessive Sensory Stimulation during Development Alters Neural Plasticity and Vulnerability to Cocaine in Mice. *eNeuro*. 2016 Aug 23;3(4). pii: ENEURO.0199-16.2016. doi: 10.1523/ENEURO.0199-16.2016. eCollection 2016 Jul-Aug. PMID:27588306 | PMCID:PMC4994069

32. Webb SJ, Garrison MM, Bernier R, McClintic AM, King BH, **Mourad PD**. Severity of ASD symptoms and their correlation with the presence of copy number variations and exposure to first trimester ultrasound. *Autism Res*. 2017 Mar;10(3):472-484. doi: 10.1002/aur.1690. Epub 2016 Sep 1. PMID:27582229 | PMCID:PMC5332517
33. Bell KR, Fann JR, Brockway JA, Cole WR, Bush NE, Dikmen S, Hart T, Lang AJ, Grant G, Gahm G, Reger MA, St De Lore J, Machamer J, Ernstrom K, Raman R, Jain S, Stein MB, **Temkin N**. Telephone Problem Solving for Service Members with Mild Traumatic Brain Injury: A Randomized, Clinical Trial. *J Neurotrauma*. 2017 Jan 15;34(2):313-321. doi: 10.1089/neu.2016.4444. Epub 2016 Oct 13. PMID:27579992
34. Catapano JS, John Hawryluk GW, Whetstone W, **Saigal R**, Ferguson A, Talbott J, Bresnahan J, Dhall S, Pan J, Beattie M, Manley G. Higher Mean Arterial Pressure Values Correlate with Neurologic Improvement in Patients with Initially Complete Spinal Cord Injuries. *World Neurosurg*. 2016 Dec;96:72-79. doi: 10.1016/j.wneu.2016.08.053. Epub 2016 Aug 23. PMID:27565460 | PMCID:PMC5127746
35. Bales J, Apkon S, Osorio M, Kinney G, Robison RA, Hooper E, **Browd S**. Infra-Conus Single-Level Laminectomy for Selective Dorsal Rhizotomy: Technical Advance. *Pediatr Neurosurg*. 2016;51(6):284-291. Epub 2016 Aug 23. PMID:27548353
36. **Khaing ZZ**, Cates LN, Fishedick AE, McClintic AM, **Mourad PD**, **Hofstetter CP**. Temporal and Spatial Evolution of Raised Intraspinial Pressure after Traumatic Spinal Cord Injury. *J Neurotrauma*. 2017 Feb;34(3):645-651. doi: 10.1089/neu.2016.4490. Epub 2016 Sep 27. PMID:27503121
37. Anderson TM, Garcia AJ 3rd, Baertsch NA, Pollak J, Bloom JC, Wei AD, Rai KG, **Ramirez JM**. A novel excitatory network for the control of breathing. *Nature*. 2016 Aug 4;536(7614):76-80. Epub 2016 Jul 27. PMID:27462817 | PMCID:PMC5479418
38. Wee B, Pietras A, Ozawa T, Bazzoli E, Podlaha O, Antczak C, Westermarck B, Nelander S, Uhrbom L, Forsberg-Nilsson K, Djaballah H, Michor F, **Holland EC**. ABCG2 regulates self-renewal and stem cell marker expression but not tumorigenicity or radiation resistance of glioma cells. *Sci Rep*. 2016 Jul 26;6:25956. doi: 10.1038/srep25956. PMID:27456282 | PMCID:PMC4960591
39. Choudhri O, Schoen M, Mantha A, Feroze A, Ali R, Lawton MT, Do HM. Increased risk for complications following diagnostic cerebral angiography in older patients: Trends from the Nationwide Inpatient Sample (1999-2009). *J Clin Neurosci*. 2016 Oct;32:109-14. doi: 10.1016/j.jocn.2016.04.007. Epub 2016 Jul 16. PMID:27430411
40. Cronin JA, Wu J, Collins KL, Sarma D, Rao RP, **Ojemann JG**, Olson JD. Task-Specific Somatosensory Feedback via Cortical Stimulation in Humans. *IEEE Trans Haptics*. 2016 Oct-Dec;9(4):515-522. Epub 2016 Jul 18. PMID:27429448 | PMCID:PMC5217174
41. Alontaga AY, Ambaye ND, Li YJ, Vega R, Chen CH, Bzymek KP, Williams JC, Hu W, Chen Y. Observation of an E2 (Ubc9)-homodimer by crystallography. *Data Brief*. 2016 Feb 12;7:195-200. doi: 10.1016/j.dib.2016.02.015. eCollection 2016 Jun. PMID:27408909 | PMCID:PMC4927773
42. **Levitt MR**, Barbour MC, Rolland du Roscoat S, Geindreau C, Chivukula VK, McGah PM, Nerva JD, Morton RP, **Kim LJ**, Aliseda A. Computational fluid dynamics of cerebral aneurysm coiling using high-resolution and high-energy synchrotron X-ray microtomography: comparison with the homogeneous porous medium approach. *J Neurointerv Surg*. 2017 Aug;9(8):0. doi: 10.1136/neurintsurg-2016-012479. Epub 2016 Jul 12. PMID:27405312 | PMCID:PMC5376237

43. McEvoy SD, **Lee A**, **Ojemann JG**, MacDonald C. 126 Anatomy of Cerebellar Mutism: Reduced Fractional Anisotropy in the Superior Cerebellar Peduncle. *Neurosurgery*. 2016 Aug;63 Suppl 1:152. doi: 10.1227/01.neu.0000489696.80667.ee. PMID:27399405
44. Kannan N, Wang J, Mink RB, Wainwright MS, Groner JI, Bell MJ, Giza CC, Zatzick DF, **Ellenbogen RG**, Boyle LN, Mitchell PH, Rivara FP, Rowhani-Rahbar A, Vavilala MS; PEGASUS (Pediatric Guideline Adherence Outcomes) Study.. Timely Hemodynamic Resuscitation and Outcomes in Severe Pediatric Traumatic Brain Injury: Preliminary Findings. *Pediatr Emerg Care*. 2016 Jul 12. [Epub ahead of print] PMID:27387972 | PMCID:PMC5233691
45. Szulzewsky F, Arora S, de Witte L, Ulas T, Markovic D, Schultze JL, **Holland EC**, Synowitz M, Wolf SA, Kettenmann H. Human glioblastoma-associated microglia/monocytes express a distinct RNA profile compared to human control and murine samples. *Glia*. 2016 Aug;64(8):1416-36. doi: 10.1002/glia.23014. PMID:27312099
46. Gammoh N, Fraser J, Puente C, Syred HM, Kang H, Ozawa T, Lam D, Acosta JC, Finch AJ, **Holland E**, Jiang X. Suppression of autophagy impedes glioblastoma development and induces senescence. *Autophagy*. 2016 Sep;12(9):1431-9. doi: 10.1080/15548627.2016.1190053. Epub 2016 Jun 15. PMID:27304681 | PMCID:PMC5082770
47. Huang R, Harmsen S, Samii JM, Karabeber H, Pitter KL, **Holland EC**, Kircher MF. High Precision Imaging of Microscopic Spread of Glioblastoma with a Targeted Ultrasensitive SERRS Molecular Imaging Probe. *Theranostics*. 2016 May 7;6(8):1075-84. doi: 10.7150/thno.13842. eCollection 2016. PMID:27279902 | PMCID:PMC4893636
48. Cho S, Bales J, Tran TK, Korab G, Khandelwal N, Joffe AM. Effects of 14 Versus 21 Days of Nimodipine Therapy on Neurological Outcomes in Aneurysmal Subarachnoid Hemorrhage Patients. *Ann Pharmacother*. 2016 Sep;50(9):718-24. doi: 10.1177/1060028016653138. Epub 2016 Jun 5. PMID:27273676
49. Alimi M, **Hofstetter CP**, Torres-Campa JM, Navarro-Ramirez R, Cong GT, Njoku I Jr, HÄrtrl R. Unilateral tubular approach for bilateral laminotomy: effect on ipsilateral and contralateral buttock and leg pain. *Eur Spine J*. 2017 Feb;26(2):389-396. doi: 10.1007/s00586-016-4594-1. Epub 2016 Jun 8. PMID:27272621
50. Mossa-Basha M, de Havenon A, Becker KJ, Hallam DK, **Levitt MR**, Cohen WA, Hippe DS, Alexander MD, Tirschwell DL, Hatsukami T, Amlie-Lefond C, Yuan C. Added Value of Vessel Wall Magnetic Resonance Imaging in the Differentiation of Moyamoya Vasculopathies in a Non-Asian Cohort. *Stroke*. 2016 Jul;47(7):1782-8. doi: 10.1161/STROKEAHA.116.013320. Epub 2016 Jun 7. PMID:27272486 | PMCID:PMC4927346
51. Kulkarni AV, Riva-Cambrin J, Holubkov R, **Browd SR**, Cochrane DD, Drake JM, Limbrick DD, Rozzelle CJ, Simon TD, Tamber MS, Wellons JC 3rd, Whitehead WE, Kestle JR; Hydrocephalus Clinical Research Network.. Endoscopic third ventriculostomy in children: prospective, multicenter results from the Hydrocephalus Clinical Research Network. *J Neurosurg Pediatr*. 2016 Oct;18(4):423-429. Epub 2016 Jun 3. PMID:27258593
52. Ostahowski PJ, Kannan N, Wainwright MS, Qiu Q, Mink RB, Groner JI, Bell MJ, Giza CC, Zatzick DF, **Ellenbogen RG**, Boyle LN, Mitchell PH, Vavilala MS; PEGASUS (Pediatric Guideline Adherence and Outcomes) Study.. Variation in seizure prophylaxis in severe pediatric traumatic brain injury. *J Neurosurg Pediatr*. 2016 Oct;18(4):499-506. Epub 2016 Jun 3. PMID:27258588
53. Lieberman NA, Moyes KW, **Crane CA**. Developing immunotherapeutic strategies to target brain tumors. *Expert Rev Anticancer Ther*. 2016 Jul;16(7):775-88. doi: 10.1080/14737140.2016.1192470. Epub 2016 Jun 13. Review. PMID:27253692
54. Jimenez N, Symons RG, Wang J, Ebel BH, Vavilala MS, Buchwald D, **Temkin N**, Jaffe KM, Rivara FP. Outpatient Rehabilitation for Medicaid-Insured Children Hospitalized With Traumatic

- Brain Injury. *Pediatrics*. 2016 Jun;137(6). pii: e20153500. doi: 10.1542/peds.2015-3500. Epub 2016 May 6. PMID:27244850 | PMCID:PMC4891290
55. Carney NA, Petroni GJ, Luján SB, Ballarini NM, Faguaga GA, du Coudray HE, Huddleston AE, Baggio GM, Becerra JM, Busso LO, Dikmen SS, Falcone R, García ME, González Carrillo OR, Medici PL, Quaglino MB, Randisi CA, Sáenz SS, **Temkin NR**, Vanella EE. Postdischarge Care of Pediatric Traumatic Brain Injury in Argentina: A Multicenter Randomized Controlled Trial. *Pediatr Crit Care Med*. 2016 Jul;17(7):658-66. doi: 10.1097/PCC.0000000000000772. PMID:27243414 | PMCID:PMC4938734
  56. Pennington MW, Roche AM, Bransford RJ, **Zhang F**, Dagal A. A Technique to Allow Prone Positioning in the Spine Surgery Patient With Unstable Spine Fracture and Flail Segment Rib Fractures. *A A Case Rep*. 2016 Jul 1;7(1):2-4. doi: 10.1213/XAA.0000000000000319. PMID:27224037
  57. ENE CJ, Nerva JD, Morton RP, Barkley AS, Barber JK, **Ko AL**, **Silbergeld DL**. Safety and efficacy of carmustine (BCNU) wafers for metastatic brain tumors. *Surg Neurol Int*. 2016 May 6;7(Suppl 11):S295-9. doi: 10.4103/2152-7806.181987. eCollection 2016. PMID:27217968 | PMCID:PMC4866053
  58. Venkataraman P, **Browd SR**, Lutz BR. A physical framework for implementing virtual models of intracranial pressure and cerebrospinal fluid dynamics in hydrocephalus shunt testing. *J Neurosurg Pediatr*. 2016 Sep;18(3):296-305. doi: 10.3171/2016.2.PEDS15478. Epub 2016 May 20. PMID:27203135
  59. Alimi M, Njoku I, **Hofstetter CP**, Tsiouris AJ, Kesavabhotla K, Boockvar J, Navarro-Ramirez R, Härtl R. Anterior Cervical Discectomy and Fusion (ACDF): Comparison Between Zero Profile Implants and Anterior Cervical Plate and Spacer. *Cureus*. 2016 Apr 17;8(4):e573. doi: 10.7759/cureus.573. PMID:27200226 | PMCID:PMC4872884
  60. Quail DF, Bowman RL, Akkari L, Quick ML, Schuhmacher AJ, Huse JT, **Holland EC**, Sutton JC, Joyce JA. The tumor microenvironment underlies acquired resistance to CSF-1R inhibition in gliomas. *Science*. 2016 May 20;352(6288):aad3018. doi: 10.1126/science.aad3018. PMID:27199435 | PMCID:PMC5450629
  61. **Levitt MR**, Albuquerque FC, Gross BA, Moon K, Jadhav AP, Ducruet AF, Crowley RW. Venous sinus stenting in patients without idiopathic intracranial hypertension. *J Neurointerv Surg*. 2017 May;9(5):512-515. doi: 10.1136/neurintsurg-2016-012405. Epub 2016 May 19. PMID:27199383
  62. **Mac Donald CL**, Johnson AM, Wierzechowski L, Kassner E, Stewart T, Nelson EC, Werner NJ, Adam OR, Rivet DJ, Flaherty SF, Oh JS, Zonies D, Fang R, Brody DL. Outcome Trends after US Military Concussive Traumatic Brain Injury. *J Neurotrauma*. 2017 Jul 15;34(14):2206-2219. doi: 10.1089/neu.2016.4434. Epub 2016 Jun 27. PMID:27198861 | PMCID:PMC5510713
  63. Darvas F, Mehić E, Caler CJ, **Ojemann JG**, **Mourad PD**. Toward Deep Brain Monitoring with Superficial EEG Sensors Plus Neuromodulatory Focused Ultrasound. *Ultrasound Med Biol*. 2016 Aug;42(8):1834-47. doi: 10.1016/j.ultrasmedbio.2016.02.020. Epub 2016 May 13. PMID:27181686
  64. Albuquerque FC, Gross BA, **Levitt MR**. Time to re-assess the treatment of idiopathic intracranial hypertension. *J Neurointerv Surg*. 2016 Jun;8(6):549-50. doi: 10.1136/neurintsurg-2016-012460. No abstract available. PMID:27178402
  65. Readdy WJ, **Saigal R**, Whetstone WD, Mefford A, Ferguson AR, Talbott JF, Inoue T, Bresnahan JC, Beattie MS, Pan J, Manley GT, Dhall SS. Failure of Mean Arterial Pressure Goals to Improve Outcomes Following Penetrating Spinal Cord Injury. *Neurosurgery*. 2016 May 3. [Epub ahead of print] PMID:27145343

66. Bolouri H, Zhao LP, **Holland EC**. Big data visualization identifies the multidimensional molecular landscape of human gliomas. *Proc Natl Acad Sci U S A*. 2016 May 10;113(19):5394-9. doi: 10.1073/pnas.1601591113. Epub 2016 Apr 26. PMID:27118839 | PMCID:PMC4868421
67. **Williams MA**, Malm J. Diagnosis and Treatment of Idiopathic Normal Pressure Hydrocephalus. *Continuum (Minneapolis, Minn)*. 2016 Apr;22(2 Dementia):579-99. doi: 10.1212/CON.0000000000000305. Review. PMID:27042909 | PMCID:PMC5390935
68. **Hanak BW**, Ross EF, Harris CA, **Browd SR**, Shain W. Toward a better understanding of the cellular basis for cerebrospinal fluid shunt obstruction: report on the construction of a bank of explanted hydrocephalus devices. *J Neurosurg Pediatr*. 2016 Aug;18(2):213-23. doi: 10.3171/2016.2.PEDS15531. Epub 2016 Apr 1. PMID:27035548
69. Wilson CD, Safavi-Abbasi S, Sun H, Kalani MY, Zhao YD, **Levitt MR**, Hanel RA, Sauvageau E, Mapstone TB, Albuquerque FC, McDougall CG, Nakaji P, Spetzler RF. Meta-analysis and systematic review of risk factors for shunt dependency after aneurysmal subarachnoid hemorrhage. *J Neurosurg*. 2017 Feb;126(2):586-595. doi: 10.3171/2015.11.JNS152094. Epub 2016 Apr 1. PMID:27035169
70. Pitter KL, Tamagno I, Alikhanyan K, Hosni-Ahmed A, Pattwell SS, Donnola S, Dai C, Ozawa T, Chang M, Chan TA, Beal K, Bishop AJ, Barker CA, Jones TS, Hentschel B, Gorlia T, Schlegel U, Stupp R, Weller M, **Holland EC**, Hambardzumyan D. Corticosteroids compromise survival in glioblastoma. *Brain*. 2016 May;139(Pt 5):1458-71. doi: 10.1093/brain/aww046. Epub 2016 Mar 28. PMID:27020328 | PMCID:PMC5006251
71. Casimo K, Darvas F, Wander J, Ko A, Grabowski TJ, Novotny E, Poliakov A, **Ojemann JG**, Weaver KE. Regional Patterns of Cortical Phase Synchrony in the Resting State. *Brain Connect*. 2016 Jul;6(6):470-81. doi: 10.1089/brain.2015.0362. Epub 2016 May 2. PMID:27019319 | PMCID:PMC4976227
72. **Levitt MR**, Hlubek RJ, Moon K, Kalani MY, Nakaji P, Smith KA, Little AS, Knievel K, Chan JW, McDougall CG, Albuquerque FC. Incidence and predictors of dural venous sinus pressure gradient in idiopathic intracranial hypertension and non-idiopathic intracranial hypertension headache patients: results from 164 cerebral venograms. *J Neurosurg*. 2017 Feb;126(2):347-353. doi: 10.3171/2015.12.JNS152033. Epub 2016 Mar 11. PMID:26967777
73. Chrisman SP, **Mac Donald CL**, Friedman S, Andre J, Rowhani-Rahbar A, Drescher S, Stein E, Holm M, Evans N, Poliakov AV, Ching RP, Schwien CC, Vavilala MS, Rivara FP. Head Impact Exposure During a Weekend Youth Soccer Tournament. *J Child Neurol*. 2016 Jul;31(8):971-8. doi: 10.1177/0883073816634857. Epub 2016 Mar 6. PMID:26951540
74. Graves JM, Kannan N, Mink RB, Wainwright MS, Groner JI, Bell MJ, Giza CC, Zatzick DF, **Ellenbogen RG**, Boyle LN, Mitchell PH, Rivara FP, Wang J, Rowhani-Rahbar A, Vavilala MS; Pediatric Guideline Adherence and Outcomes Study.. Guideline Adherence and Hospital Costs in Pediatric Severe Traumatic Brain Injury. *Pediatr Crit Care Med*. 2016 May;17(5):438-43. doi: 10.1097/PCC.0000000000000698. PMID:26934664 | PMCID:PMC4856557
75. **Bonow RH**, Silber JR, Enzmann DR, Beauchamp NJ, **Ellenbogen RG**, **Mourad PD**. Towards use of MRI-guided ultrasound for treating cerebral vasospasm. *J Ther Ultrasound*. 2016 Feb 29;4:6. doi: 10.1186/s40349-016-0050-2. eCollection 2016. Review. PMID:26929821 | PMCID:PMC4770693
76. Karras CL, **Abecassis IJ**, Abecassis ZA, Adel JG, Bit-Ivan EN, Chandra RK, Bendok BR. Clival Ectopic Pituitary Adenoma Mimicking a Chordoma: Case Report and Review of the Literature. *Case Rep Neurol Med*. 2016;2016:8371697. doi: 10.1155/2016/8371697. Epub 2016 Jan 13. PMID:26885420 | PMCID:PMC4738724
77. Garcia AJ 3rd, Zanello S, Dashevskiy T, Khan SA, Khuu MA, Prabhakar NR, **Ramirez JM**. Chronic Intermittent Hypoxia Alters Local Respiratory Circuit Function at the Level of the preBötzing

Complex. *Front Neurosci.* 2016 Feb 4;10:4. doi: 10.3389/fnins.2016.00004. eCollection 2016. PMID:26869872 | PMCID:PMC4740384

78. Tan JK, Pham B, Zong Y, Perez C, Maris DO, Hemphill A, Miao CH, Matula TJ, **Mourad PD**, Wei H, Sellers DL, Horner PJ, Pun SH. Microbubbles and ultrasound increase intraventricular polyplex gene transfer to the brain. *J Control Release.* 2016 Jun 10;231:86-93. doi: 10.1016/j.jconrel.2016.02.003. Epub 2016 Feb 6. PMID:26860281 | PMCID:PMC4944389
79. Su YS, Ali R, Feroze AH, Li G, Lawton MT, Choudhri O. Endovascular therapies for malignant gliomas: Challenges and the future. *J Clin Neurosci.* 2016 Apr;26:26-32. doi: 10.1016/j.jocn.2015.10.019. Epub 2016 Feb 5. Review. PMID:26857294
80. ENE CI, Nerva JD, McGrath L, Flanagan ME, Chamberlain MC, **Silbergeld DL**. Flow-Related Aneurysm within Glioblastoma: A Case Report and Review of Literature. *World Neurosurg.* 2016 May;89:729.e1-6. doi: 10.1016/j.wneu.2016.01.068. Epub 2016 Feb 4. PMID:26851739
81. Ahn M, **Kalume F**, Pitstick R, Oehler A, Carlson G, DeArmond SJ. Brain Aggregates: An Effective In Vitro Cell Culture System Modeling Neurodegenerative Diseases. *J Neuropathol Exp Neurol.* 2016 Mar;75(3):256-62. doi: 10.1093/jnen/nlv025. Epub 2016 Feb 6. Erratum in: *J Neuropathol Exp Neurol.* 2016 May;75(5):479. PMID:26851378 | PMCID:PMC4902861
82. Hong CS, Wang AC, Bonow RH, Abecassis IJ, Amlie-Lefond C, **Ellenbogen RG**. Moyamoya Disease in a Patient with VACTERL Association. *World Neurosurg.* 2016 May;89:729.e7-729.e10. doi: 10.1016/j.wneu.2016.01.059. Epub 2016 Feb 2. PMID:26844876
83. **Saigal R**, Mundis GM Jr, Eastlack R, Uribe JS, Phillips FM, Akbarnia BA. Anterior Column Realignment (ACR) in Adult Sagittal Deformity Correction: Technique and Review of the Literature. *Spine (Phila Pa 1976).* 2016 Apr;41 Suppl 8:S66-73. doi: 10.1097/BRS.0000000000001483. Review. PMID:26839994
84. Madhavan K, Chieng LO, McGrath L, **Hofstetter CP**, Wang MY. Early experience with endoscopic foraminotomy in patients with moderate degenerative deformity. *Neurosurg Focus.* 2016 Feb;40(2):E6. doi: 10.3171/2015.11.FOCUS15511. PMID:26828887
85. Madhavan K, Chieng LO, **Hofstetter CP**, Wang MY. Transforaminal endoscopic discectomy to relieve sciatica and delay fusion in a 31-year-old man with pars defects and low-grade spondylolisthesis. *Neurosurg Focus.* 2016 Feb;40(2):E4. doi: 10.3171/2015.11.FOCUS15512. PMID:26828885
86. McGrath LB Jr, Madhavan K, Chieng LO, Wang MY, **Hofstetter CP**. Early experience with endoscopic revision of lumbar spinal fusions. *Neurosurg Focus.* 2016 Feb;40(2):E10. doi: 10.3171/2015.10.FOCUS15503. PMID:26828879
87. Abecassis IJ, **Levitt MR**. Understanding Neurogenesis in the Subventricular Zone and the Capacity for Transcriptional Modulation in Ischemic Brain Injury. *World Neurosurg.* 2016 Mar;87:477-80. doi: 10.1016/j.wneu.2016.01.045. Epub 2016 Jan 29. No abstract available. PMID:26828460
88. Lucas S, Smith BM, **Temkin N**, Bell KR, Dikmen S, Hoffman JM. Comorbidity of Headache and Depression After Mild Traumatic Brain Injury. *Headache.* 2016 Feb;56(2):323-30. doi: 10.1111/head.12762. Epub 2016 Jan 27. PMID:26814846
89. Gupta M, Choudhri OA, Feroze AH, Do HM, Grant GA, Steinberg GK. Management of moyamoya syndrome in patients with Noonan syndrome. *J Clin Neurosci.* 2016 Jun;28:107-11. doi: 10.1016/j.jocn.2015.11.017. Epub 2016 Jan 6. PMID:26778511
90. Morton RP, Abecassis IJ, Hanson JF, Barber J, Nerva JD, Emerson SN, ENE CI, **Chowdhary MM**, **Levitt MR**, **Ko AL**, Dellit TH, **Chesnut RM**. Predictors of infection after 754 cranioplasty operations and the value of intraoperative cultures for cryopreserved bone flaps. *J Neurosurg.* 2016 Sep;125(3):766-70. doi: 10.3171/2015.8.JNS151390. Epub 2016 Jan 15. PMID:26771856



91. Brolliar SM, Moore M, Thompson HJ, Whiteside LK, Mink RB, Wainwright MS, Groner JI, Bell MJ, Giza CC, Zatzick DF, **Ellenbogen RG**, Ng Boyle L, Mitchell PH, Rivara FP, Vavilala MS. A Qualitative Study Exploring Factors Associated with Provider Adherence to Severe Pediatric Traumatic Brain Injury Guidelines. *J Neurotrauma*. 2016 Aug 15;33(16):1554-60. doi: 10.1089/neu.2015.4183. Epub 2016 Jan 13. PMID:26760283 | PMCID:PMC5003009
92. Weaver KE, Wander JD, **Ko AL**, Casimo K, Grabowski TJ, **Ojemann JG**, Darvas F. Directional patterns of cross frequency phase and amplitude coupling within the resting state mimic patterns of fMRI functional connectivity. *Neuroimage*. 2016 Mar;128:238-51. doi: 10.1016/j.neuroimage.2015.12.043. Epub 2015 Dec 30. PMID:26747745 | PMCID:PMC4762762
93. Alexander MD, Yuan C, Rutman A, Tirschwell DL, Palagallo G, Gandhi D, **Sekhar LN**, Mossa-Basha M. High-resolution intracranial vessel wall imaging: imaging beyond the lumen. *J Neurol Neurosurg Psychiatry*. 2016 Jun;87(6):589-97. doi: 10.1136/jnnp-2015-312020. Epub 2016 Jan 8. Review. PMID:26746187 | PMCID:PMC5504758
94. Ali R, Connolly ID, Feroze AH, Awad AJ, Choudhri OA, Grant GA. Epilepsy: A Disruptive Force in History. *World Neurosurg*. 2016 Jun;90:685-90. doi: 10.1016/j.wneu.2015.11.060. Epub 2015 Dec 18. Review. PMID:26709155
95. **Kievit FM**, Wang K, Erickson AE, Lan Levengood SK, **Ellenbogen RG**, Zhang M. Modeling the tumor microenvironment using chitosan-alginate scaffolds to control the stem-like state of glioblastoma cells. *Biomater Sci*. 2016 Apr;4(4):610-3. doi: 10.1039/c5bm00514k. Epub 2015 Dec 21. PMID:26688867 | PMCID:PMC4803622
96. Kestle JR, Holubkov R, Douglas Cochrane D, Kulkarni AV, Limbrick DD Jr, Luerssen TG, Jerry Oakes W, Riva-Cambrin J, Rozzelle C, Simon TD, Walker ML, Wellons JC 3rd, **Browd SR**, Drake JM, Shannon CN, Tamber MS, Whitehead WE; Hydrocephalus Clinical Research Network.. A new Hydrocephalus Clinical Research Network protocol to reduce cerebrospinal fluid shunt infection. *J Neurosurg Pediatr*. 2016 Apr;17(4):391-6. doi: 10.3171/2015.8.PEDS15253. Epub 2015 Dec 18. PMID:26684763
97. Marzban C, Gu W, **Mourad PD**. Mixture Models for Estimating Maximum Blood Flow Velocity. *J Ultrasound Med*. 2016 Jan;35(1):93-101. doi: 10.7863/ultra.14.05069. Epub 2015 Dec 7. PMID:26643758
98. Riva-Cambrin J, Kestle JR, Holubkov R, Butler J, Kulkarni AV, Drake J, Whitehead WE, Wellons JC 3rd, Shannon CN, Tamber MS, Limbrick DD Jr, Rozzelle C, **Browd SR**, Simon TD; Hydrocephalus Clinical Research Network.. Risk factors for shunt malfunction in pediatric hydrocephalus: a multicenter prospective cohort study. *J Neurosurg Pediatr*. 2016 Apr;17(4):382-90. doi: 10.3171/2015.6.PEDS14670. Epub 2015 Dec 4. PMID:26636251
99. **Sekhar LN**, Brito da Silva H, **Pridgeon JS**, Juric-Sekhar G. In Reply: Petroclival Synchondrosis and Its Relevance to Operative Feel. *Neurosurgery*. 2016 Mar;78(3):E475. doi: 10.1227/NEU.0000000000001149. No abstract available. PMID:26619336
100. Buckley R, Estronza-Ojeda S, **Ojemann JG**. Laser Ablation in Pediatric Epilepsy. *Neurosurg Clin N Am*. 2016 Jan;27(1):69-78. doi: 10.1016/j.nec.2015.08.006. Epub 2015 Oct 24. Review. PMID:26615109
101. **Hofstetter CP**, Hofer AS, Levi AD. Exploratory meta-analysis on dose-related efficacy and morbidity of bone morphogenetic protein in spinal arthrodesis surgery. *J Neurosurg Spine*. 2016 Mar;24(3):457-75. doi: 10.3171/2015.4.SPINE141086. Epub 2015 Nov 27. PMID:26613283
102. Iyer AS, Bhatt SP, Garner JJ, Wells JM, Trevor JL, Patel NM, Kirkpatrick d, Williams JC, Dransfield MT. Depression Is Associated with Readmission for Acute Exacerbation of Chronic

- Obstructive Pulmonary Disease. *Ann Am Thorac Soc*. 2016 Feb;13(2):197-203. doi: 10.1513/AnnalsATS.201507-439OC. PMID:26599286 | PMCID:PMC5461954
103. Bonow RH, Bales JW, Morton RP, **Levitt MR**, **Zhang F**. Reversible coma and Duret hemorrhage after intracranial hypotension from remote lumbar spine surgery: case report. *J Neurosurg Spine*. 2016 Mar;24(3):389-93. doi: 10.3171/2015.6.SPINE1521. Epub 2015 Nov 20. PMID:26588496
104. Curia G, Eastman CL, Miller JW, **D'Ambrosio R**. Modeling Post-Traumatic Epilepsy for Therapy Development. In: Laskowitz D, Grant G, editors. *Translational Research in Traumatic Brain Injury*. Boca Raton (FL): CRC Press/Taylor and Francis Group; 2016. Chapter 10. PMID:26583185
105. Staples JA, Wang J, Mills B, **Temkin N**, Zaros MC, Jurkovich GJ, Rivara FP. The Application of the CRASH-CT Prognostic Model for Older Adults With Traumatic Brain Injury: A Population-Based Observational Cohort Study. *J Head Trauma Rehabil*. 2016 Sep-Oct;31(5):E8-E14. doi: 10.1097/HTR.000000000000195. PMID:26580690
106. Winkler EA, Yue JK, McAllister TW, **Temkin NR**, Oh SS, Burchard EG, Hu D, Ferguson AR, Lingsma HF, Burke JF, Sorani MD, Rosand J, Yuh EL, Barber J, Tarapore PE, Gardner RC, Sharma S, Satris GG, Eng C, Puccio AM, Wang KK, Mukherjee P, et al. COMT Val 158 Met polymorphism is associated with nonverbal cognition following mild traumatic brain injury. *Neurogenetics*. 2016 Jan;17(1):31-41. doi: 10.1007/s10048-015-0467-8. Epub 2015 Nov 17. PMID:26576546 | PMCID:PMC4988810
107. Ramakrishna R, **Kim LJ**, Bly RA, Moe K, **Ferreira M Jr**. Transorbital neuroendoscopic surgery for the treatment of skull base lesions. *J Clin Neurosci*. 2016 Feb;24:99-104. doi: 10.1016/j.jocn.2015.07.021. Epub 2015 Nov 10. PMID:26563603
108. Peeples ES, Mehic E, **Mourad PD**, Juul SE. Fast Doppler as a novel bedside measure of cerebral perfusion in preterm infants. *Pediatr Res*. 2016 Feb;79(2):333-8. doi: 10.1038/pr.2015.227. Epub 2015 Nov 5. PMID:26539662
109. Pagulayan KF, **Temkin NR**, Machamer JE, Dikmen SS. Patterns of Alcohol Use after Traumatic Brain Injury. *J Neurotrauma*. 2016 Jul 15;33(14):1390-6. doi: 10.1089/neu.2015.4071. Epub 2016 Feb 11. PMID:26530335 | PMCID:PMC4931769
110. Nerva JD, **Kim LJ**, Barber J, Rockhill JK, Hallam DK, Ghodke BV, **Sekhar LN**. Outcomes of Multimodality Therapy in Pediatric Patients With Ruptured and Unruptured Brain Arteriovenous Malformations. *Neurosurgery*. 2016 May;78(5):695-707. doi: 10.1227/NEU.0000000000001076. PMID:26509647
111. Lawley JS, Levine BD, **Williams MA**, Malm J, Eklund A, Polaner DM, Subudhi AW, Hackett PH, Roach RC. Cerebral spinal fluid dynamics: effect of hypoxia and implications for high-altitude illness. *J Appl Physiol* (1985). 2016 Jan 15;120(2):251-62. doi: 10.1152/jappphysiol.00370.2015. Epub 2015 Oct 22. Review. PMID:26494441
112. Jackson CM, Kochel CM, Nirschl CJ, Durham NM, Ruzevick J, Alme A, Francica BJ, Elias J, Daniels A, Dubensky TW Jr, Lauer P, Brockstedt DG, Baxi EG, Calabresi PA, Taube JM, Pardo CA, Brem H, Pardoll DM, Lim M, Drake CG. Systemic Tolerance Mediated by Melanoma Brain Tumors Is Reversible by Radiotherapy and Vaccination. *Clin Cancer Res*. 2016 Mar 1;22(5):1161-72. doi: 10.1158/1078-0432.CCR-15-1516. Epub 2015 Oct 21. PMID:26490306 | PMCID:PMC4825863
113. Hanak BW, Haussen DC, Ambekar S, **Ferreira M Jr**, Ghodke BV, Peterson EC. Preoperative embolization of intracranial hemangiopericytomas: case series and introduction of the transtumoral embolization technique. *J Neurointerv Surg*. 2016 Oct;8(10):1084-94. doi: 10.1136/neurintsurg-2015-011980. Epub 2015 Oct 16. PMID:26475475

114. Mortazavi MM, Brito da Silva H, **Ferreira M Jr**, Barber JK, **Pridgeon JS**, **Sekhar LN**. Planum Sphenoidale and Tuberculum Sellae Meningiomas: Operative Nuances of a Modern Surgical Technique with Outcome and Proposal of a New Classification System. *World Neurosurg.* 2016 Feb;86:270-86. doi: 10.1016/j.wneu.2015.09.043. Epub 2015 Sep 25. PMID:26409085
115. **Ko AL**, Ozpinar A, Raskin JS, Magill ST, Raslan AM, Burchiel KJ. Correlation of preoperative MRI with the long-term outcomes of dorsal root entry zone lesioning for brachial plexus avulsion pain. *J Neurosurg.* 2016 May;124(5):1470-8. doi: 10.3171/2015.2.JNS142572. Epub 2015 Sep 25. PMID:26406799
116. Powell JM, Fraser R, Brockway JA, **Temkin N**, Bell KR. A Telehealth Approach to Caregiver Self-Management Following Traumatic Brain Injury: A Randomized Controlled Trial. *J Head Trauma Rehabil.* 2016 May-Jun;31(3):180-90. doi: 10.1097/HTR.000000000000167. PMID:26394294
117. Moon K, Albuquerque FC, **Levitt MR**, Ahmed AS, Kalani MY, McDougall CG. The myth of restenosis after carotid angioplasty and stenting. *J Neurointerv Surg.* 2016 Oct;8(10):1006-10. doi: 10.1136/neurintsurg-2015-011938. Epub 2015 Sep 18. PMID:26385787
118. **Levitt MR**, Moon K, Albuquerque FC, Mulholland CB, Kalani MY, McDougall CG. Intraprocedural abciximab bolus versus pretreatment oral dual antiplatelet medication for endovascular stenting of unruptured intracranial aneurysms. *J Neurointerv Surg.* 2016 Sep;8(9):909-12. doi: 10.1136/neurintsurg-2015-011935. Epub 2015 Sep 9. PMID:26354945
119. Cooke DL, **Levitt MR**, **Kim LJ**, Hallam DK, **Sekhar LN**, Ghodke BV. Laser-assisted flat-detector CT-guided intracranial access. *Int J Comput Assist Radiol Surg.* 2016 Mar;11(3):467-72. doi: 10.1007/s11548-015-1271-5. Epub 2015 Aug 5. PMID:26239371
120. Tully HM, Ishak GE, Rue TC, Dempsey JC, **Browd SR**, Millen KJ, Doherty D, Dobyns WB. Two Hundred Thirty-Six Children With Developmental Hydrocephalus: Causes and Clinical Consequences. *J Child Neurol.* 2016 Mar;31(3):309-20. doi: 10.1177/0883073815592222. Epub 2015 Jul 16. PMID:26184484 | PMCID:PMC4990005
121. Kellis S, Sorensen L, Darvas F, Sayres C, O'Neill K 3rd, Brown RB, House P, **Ojemann J**, Greger B. Multi-scale analysis of neural activity in humans: Implications for micro-scale electrocorticography. *Clin Neurophysiol.* 2016 Jan;127(1):591-601. doi: 10.1016/j.clinph.2015.06.002. Epub 2015 Jun 11. PMID:26138146
122. Mabray MC, Datta S, Lillaney PV, Moore T, Gehrisch S, Talbott JF, **Levitt MR**, Ghodke BV, Larson PS, Cooke DL. Accuracy of flat panel detector CT with integrated navigational software with and without MR fusion for single-pass needle placement. *J Neurointerv Surg.* 2016 Jul;8(7):731-5. doi: 10.1136/neurintsurg-2015-011799. Epub 2015 Jun 5. PMID:26047903 | PMCID:PMC5380922
123. **Levitt MR**, Albuquerque FC, Ducruet AF, Kalani MY, Mulholland CB, McDougall CG. Venous sinus stenting for idiopathic intracranial hypertension is not associated with cortical venous occlusion. *J Neurointerv Surg.* 2016 Jun;8(6):594-5. doi: 10.1136/neurintsurg-2015-011692. Epub 2015 Apr 8. PMID:25854688
124. Kalani MY, Albuquerque FC, **Levitt M**, Nakaji P, Spetzler RF, McDougall C. Pipeline embolization for definitive endoluminal reconstruction of blister-type carotid aneurysms after clip wrapping. *J Neurointerv Surg.* 2016 May;8(5):495-500. doi: 10.1136/neurintsurg-2015-011659. Epub 2015 Apr 8. PMID:25854686
125. Morton RP, **Levitt MR**, Emerson S, Ghodke BV, Hallam DK, **Sekhar LN**, **Kim LJ**, **Chesnut RM**. Natural History and Management of Blunt Traumatic Pseudoaneurysms of the Internal Carotid Artery: The Harborview Algorithm Based Off a 10-Year Experience. *Ann Surg.* 2016 Apr;263(4):821-6. doi: 10.1097/SLA.0000000000001158. PMID:25692360