

**Department of Neurological Surgery  
University of Washington, Seattle  
Faculty, Resident and Fellow Publications, 2015  
Peer Review: Epublised 2015 = 142  
Books, Book Chapters: Published 2015 = 7**

**Faculty: Bold Font ; Neurological Surgery Residents, *Italics/underlined***

1. Abel TJ, *Buckley RT, Morton RP, Gabikian P*, **Silbergeld DL**. Recurrent Supplementary Motor Area Syndrome Following Repeat Brain Tumor Resection Involving Supplementary Motor Cortex. *Neurosurgery*. 2015;11 Suppl 3:447-55; discussion 56. Epub 2015/06/19. doi: 10.1227/NEU.0000000000000847. PubMed PMID: 26087004; PubMed Central PMCID: PMC4540609.
2. Adam O, **Mac Donald CL**, Rivet D, Ritter J, May T, Barefield M, Duckworth J, LaBarge D, Asher D, Drinkwine B, Woods Y, Connor M, Brody DL. Clinical and imaging assessment of acute combat mild traumatic brain injury in Afghanistan. *Neurology*. 2015;85(3):219-27. Epub 2015/06/26. doi: 10.1212/WNL.0000000000001758. PubMed PMID: 26109715; PubMed Central PMCID: PMC4516289.
3. Alimi M, **Hofstetter CP**, Pyo SY, Paulo D, Hartl R. Minimally invasive laminectomy for lumbar spinal stenosis in patients with and without preoperative spondylolisthesis: clinical outcome and reoperation rates. *J Neurosurg Spine*. 2015;22(4):339-52. Epub 2015/01/31. doi: 10.3171/2014.11.SPINE13597. PubMed PMID: 25635635.
4. Alimi M, **Hofstetter CP**, Tsiouris AJ, Elowitz E, Hartl R. Extreme lateral interbody fusion for unilateral symptomatic vertical foraminal stenosis. *Eur Spine J*. 2015;24 Suppl 3:346-52. Epub 2015/04/22. doi: 10.1007/s00586-015-3940-z. PubMed PMID: 25893336.
5. Alimi M, Shin B, Macielak M, **Hofstetter CP**, Njoku I, Jr., Tsiouris AJ, Elowitz E, Hartl R. Expandable Polyaryl-Ether-Ether-Ketone Spacers for Interbody Distraction in the Lumbar Spine. *Global spine journal*. 2015;5(3):169-78. Epub 2015/07/02. doi: 10.1055/s-0035-1552988. PubMed PMID: 26131383; PubMed Central PMCID: PMC4472284.
6. Amlie-Lefond C, **Ellenbogen RG**. Factors associated with the presentation of moyamoya in childhood. *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*. 2015;24(6):1204-10. Epub 2015/04/14. doi: 10.1016/j.jstrokecerebrovasdis.2015.01.018. PubMed PMID: 25866319.
7. Andre JB, Nagpal S, Hippe DS, *Ravanpay AC*, Schmiedeskamp H, Bammer R, Palagallo GJ, Recht L, Zaharchuk G. Cerebral Blood Flow Changes in Glioblastoma Patients Undergoing Bevacizumab Treatment Are Seen in Both Tumor and Normal Brain. *The neuroradiology journal*. 2015;28(2):112-9. Epub 2015/04/30. doi: 10.1177/1971400915576641. PubMed PMID: 25923677.
8. Astafiev SV, Shulman GL, Metcalf NV, Rengachary J, **MacDonald CL**, Harrington DL, Maruta J, Shimony JS, Ghajar J, Diwakar M, Huang MX, Lee RR, Corbetta M. Abnormal White

Matter Blood-Oxygen-Level-Dependent Signals in Chronic Mild Traumatic Brain Injury. *J Neurotrauma*. 2015;32(16):1254-71. Epub 2015/03/12. doi: 10.1089/neu.2014.3547. PubMed PMID: 25758167; PubMed Central PMCID: PMC4601555.

9. Badri H, Pitter K, **Holland EC**, Michor F, Leder K. Optimization of radiation dosing schedules for proneural glioblastoma. *J Math Biol*. 2016;72(5):1301-36. Epub 2015/06/22. doi: 10.1007/s00285-015-0908-x. PubMed PMID: 26094055.
10. Becher OJ, **Holland EC**. Glioma Stem-like Cells Keep Their H3.3 Variant Levels at Bay. *Cancer Cell*. 2015;28(6):679-80. Epub 2015/12/19. doi: 10.1016/j.ccell.2015.12.001. PubMed PMID: 26678332.
11. Blakely TM, Olson JD, Miller KJ, Rao RP, **Ojemann JG**. Neural correlates of learning in an electrocorticographic motor-imagery brain-computer interface. *Brain Comput Interfaces (Abingdon)*. 2014;1(3-4):147-57. Epub 2015/01/20. doi: 10.1080/2326263X.2014.954183. PubMed PMID: 25599079; PubMed Central PMCID: PMC4295512.
12. Bobola MS, Alnoor M, Chen JY, Kolstoe DD, **Silbergeld DL**, **Rostomily RC**, Blank A, Chamberlain MC, **Silber JR**. O-methylguanine-DNA methyltransferase activity is associated with response to alkylating agent therapy and with promoter methylation in glioblastoma and anaplastic glioma. *BBA clinical*. 2015;3:1-10. Epub 2015/01/06. doi: 10.1016/j.bbacli.2014.11.003. PubMed PMID: 25558448; PubMed Central PMCID: PMC4280839.
13. 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;24(3):389-93. Epub 2015/11/21. doi: 10.3171/2015.6.SPINE1521. PubMed PMID: 26588496.
14. Brody DL, Benetatos J, Bennett RE, Klemenhausen KC, **Mac Donald CL**. The pathophysiology of repetitive concussive traumatic brain injury in experimental models; new developments and open questions. *Mol Cell Neurosci*. 2015;66(Pt B):91-8. Epub 2015/02/17. doi: 10.1016/j.mcn.2015.02.005. PubMed PMID: 25684677; PubMed Central PMCID: PMC4461503.
15. Brody DL, **Mac Donald CL**, Shimony JS. Current and future diagnostic tools for traumatic brain injury: CT, conventional MRI, and diffusion tensor imaging. *Handbook of clinical neurology*. 2015;127:267-75. Epub 2015/02/24. doi: 10.1016/B978-0-444-52892-6.00017-9. PubMed PMID: 25702222.
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17. Buckley R, Estronza-Ojeda S, **Ojemann JG**. Laser Ablation in Pediatric Epilepsy. *Neurosurg Clin N Am*. 2016;27(1):69-78. Epub 2015/11/29. doi: 10.1016/j.nec.2015.08.006. PubMed PMID: 26615109.
18. Cengiz P, Zemlan F, Eickhoff JC, **Ellenbogen R**, Zimmerman JJ. Increased cerebrospinal fluid cleaved tau protein (C-tau) levels suggest axonal damage in pediatric patients with brain tumors. *Childs Nerv Syst*. 2015;31(8):1313-9. Epub 2015/04/23. doi: 10.1007/s00381-015-2705-7. PubMed PMID: 25899850.

19. **Chesnut RM**, Bleck TP, Citerio G, Classen J, Cooper DJ, Coplin WM, Diringner MN, Grande PO, Hemphill JC, 3rd, Hutchinson PJ, Le Roux P, Mayer SA, Menon DK, Myburgh JA, Okonkwo DO, Robertson CS, Sahuquillo J, Stocchetti N, Sung G, **Temkin N**, Vespa PM, Videtta W, Yonas H. A Consensus-Based Interpretation of the Benchmark Evidence from South American Trials: Treatment of Intracranial Pressure Trial. *J Neurotrauma*. 2015;32(22):1722-4. Epub 2015/06/11. doi: 10.1089/neu.2015.3976. PubMed PMID: 26061135.
20. **Chesnut RM**, **Temkin N**, Dikmen S, Rondina C, Videtta W, Lujan S, Petroni G, **Pridgeon J**, Barber J, Machamer J, Chaddock K, Celix JM, Cherner M, Hendrix T. Ethical and methodological considerations on conducting clinical research in poor and low-income countries: Viewpoint of the authors of the BEST TRIP ICP randomized trial in Latin America. *Surg Neurol Int*. 2015;6:116. Epub 2015/08/01. doi: 10.4103/2152-7806.159841. PubMed PMID: 26229731; PubMed Central PMCID: PMC4513298.
21. Chiarelli PA, **Kievit FM**, Zhang M, **Ellenbogen RG**. Bionanotechnology and the future of glioma. *Surg Neurol Int*. 2015;6(Suppl 1):S45-58. Epub 2015/02/28. doi: 10.4103/2152-7806.151334. PubMed PMID: 25722933; PubMed Central PMCID: PMC4338483.
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23. Chowdhary MM, Ene CI, **Silbergeld DL**. Treatment of Gliomas: How did we get here? *Surg Neurol Int*. 2015;6(Suppl 1):S85-8. Epub 2015/02/28. doi: 10.4103/2152-7806.151348. PubMed PMID: 25722937; PubMed Central PMCID: PMC4338482.
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25. Chu DS, Sellers DL, Bocek MJ, Fishedick AE, **Horner PJ**, Pun SH. MMP9-sensitive polymers mediate environmentally-responsive bivalirudin release and thrombin inhibition. *Biomaterials science*. 2015;3(1):41-5. Epub 2015/01/16. doi: 10.1039/C4BM00259H. PubMed PMID: 25589953; PubMed Central PMCID: PMC4289632.
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28. Coughlin L, **Morrison RS**, **Horner PJ**, Inman DM. Mitochondrial morphology differences and mitophagy deficit in murine glaucomatous optic nerve. *Invest Ophthalmol Vis Sci*. 2015;56(3):1437-46. Epub 2015/02/07. doi: 10.1167/iovs.14-16126. PubMed PMID: 25655803; PubMed Central PMCID: PMC4347310.

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33. Deyo RA, Dworkin SF, Amtmann D, Andersson G, Borenstein D, Carragee E, Carrino J, Chou R, Cook K, Delitto A, Goertz C, Khalsa P, **Loeser J**, Mackey S, Panagis J, Rainville J, Tosteson T, Turk D, Von Korff M, Weiner DK. Report of the NIH Task Force on research standards for chronic low back pain. *Physical therapy.* 2015;95(2):e1-e18. Epub 2015/02/03. doi: 10.2522/ptj.2015.95.2.e1. PubMed PMID: 25639530.
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