

PEER REVIEWED PUBLICATIONS

2026 Q1 January - March

1. Abecassis, Z. A., Nistal, D., Basner, L., Berrigan, R., Sedwick, J., Howell, G., Rosiene, J., McAvoy, M., **Chen, S. H.**, Francis, C. E., & **Levitt, M. R.** (2026). Long-term visual outcomes after surgical management for intracranial idiopathic hypertension. *Neurosurgical focus*, 60(1), E14. <https://doi.org/10.3171/2025.10.FOCUS25862>

2. Salim, H. A., Scarcia, L., Clarençon, F., Hajjeh, O., Daraghma, M., Simonato, D., Li, Y. L., Shotar, E., Premat, K., Jabbour, P., Tjoumakaris, S. I., Gooch, R. M., Psychogios, M., Ntoulis, N., Sporns, P., Puri, A. S., Singh, J., Kuhn, A. L., Hassan, A. E., Algin, O., ... **Levitt, M.R.**, Abecassis, Z.A., ... Creta Investigators (2026). Comparative safety, efficacy, and predictors of complete occlusion of flow diverter devices in the treatment of unruptured distal anterior cerebral artery aneurysms. *Neurological sciences : official journal of the Italian Neurological Society and of the Italian Society of Clinical Neurophysiology*, 47(3), 270. <https://doi.org/10.1007/s10072-026-08869-w>

3. Nistal, D., Buckley, R., Boop, S., **Goldstein, H. E.**, **Ojemann, J. G.**, **Ellenbogen, R. G.**, & **Hauptman, J. S.** (2026). Hemispherectomy in infants: an institutional experience with 21 patients. *Journal of neurosurgery. Pediatrics*, 37(3), 220–226. <https://doi.org/10.3171/2025.9.PEDS25241>

4. Mendlen, M., Tien, R. N., Chee, K., Platt, J. P., Machnik, J., Bayman, E., Anigbogu, C., Kern, D., Ojemann, S. G., Thompson, J. A., & Kramer, D. R. (2026). Action tremor kinematics exhibit features of stabilization dysfunction in essential tremor patients. *Journal of neuroscience methods*, 428, 110680. <https://doi.org/10.1016/j.jneumeth.2026.110680>

5. Eaton, J. C., Swaminathan, S., El-Ghazali, F. M., **Ruzevick, J. J.**, **Emerson, S. N.**, Perlman, J. E., Paredes, O. L., Saurowitz, S., Hanks, T., Raub, S., Hiatt, K., Lassitter, E., Tucker, M., Moe, K., Francis, C. E., Failor, R. A., Desantis, A., Gonzalez-Cuyar, L. F., Weaver, K., Wisse, B., ... **Ferreira, M., Jr** (2026). Tumor characteristics and clinical outcomes in 113 patients with acromegaly: exploratory analysis of the role of histologic invasion of adjacent tissues. *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*, 143, 111771. <https://doi.org/10.1016/j.jocn.2025.111771>

6. Hutchinson, H. J., Lewis, D. B., DeYoung, C. L., Ordway, N. L., Rucks, C., Dagra, A., Negoita, S., McMahon, S., Amini, S., & Pizzi, M. A. (2026). Hourly Neurological Examinations After Nontraumatic, Vascular Acute Brain Injury Associated With Delirium: A Retrospective Cohort Study. *Neurosurgery*, 10.1227/neu.0000000000004011. Advance online publication. <https://doi.org/10.1227/neu.0000000000004011>

7. Gomez-Paz, S., Richter, K., McGrath, M., Breton, J. M., Wakelin, S. H., Christie, I., Pasko, K. B. D., Aljuboory, A., Hendrix, P., Weiner, G. M., Slee, B., Duckworth, E. A. M., Burkhardt, J. K., Srinivasan, V. M., Jankowitz, B. T., Snyder, T., **Levitt, M. R.**, Armonda, R., Felbaum, D. R., Ares, W. J., ... Grandhi, R.

(2026). Single-Session Middle Meningeal Artery Embolization With Concomitant Evacuation Surgery for Chronic Subdural Hematomas: A Multicenter Assessment of Feasibility, Safety, and Efficacy. *Operative neurosurgery (Hagerstown, Md.)*, 30(2), 270–277. <https://doi.org/10.1227/ons.0000000000001686>

8. Sen, R. D., McGrath, M. C., Shenoy, V. S., Meyer, R. M., Park, C., Fong, C. T., Lele, A. V., **Kim, L. J., Levitt, M. R.**, Wang, L. L., & **Sekhar, L. N.** (2026). A Dynamic Machine Learning Model to Predict Angiographic Vasospasm After Aneurysmal Subarachnoid Hemorrhage. *Neurosurgery*, 98(3), 624–631. <https://doi.org/10.1227/neu.0000000000003639>

9. Maldonado, R., Teske, T., Salih, Y. A., **Bonow, R. H.**, Lele, A. V., & Wahlster, S. (2026). Acute-on-Chronic Hydrocephalus With Transependymal Flow Extending to the Brainstem. *Neurology*, 106(4), e214642. <https://doi.org/10.1212/WNL.00000000000214642>

10. Greil, M. E., Barber, J. K., **Temkin, N. R., Bonow, R. H.**, Manley, G. T., Foreman, B., **Chesnut, R. M., & TRACK-TBI Investigators** (2026). External Ventricular Drain Versus Intraparenchymal Pressure Monitor in Severe Traumatic Brain Injury: A TRACK-TBI Study. *Neurosurgery*, 98(1), 115–126. <https://doi.org/10.1227/neu.0000000000003594>

11. Ravindra, V. M., Kestle, J. R. W., Jensen, H., Kulkarni, A. V., Limbrick, D. D., Jr, Stanton, A., Wellons, J. C., 3rd, Naftel, R. P., Rozzelle, C. J., Rocque, B. G., Pollack, I. F., Tamber, M. S., **Browd, S. R.**, Pindrik, J., Isaacs, A. M., McDonald, P. J., Hankinson, T. C., Jackson, E. M., Krieger, M. D., Simon, T. D., ... Hydrocephalus Clinical Research Network (2026). Necrotizing Enterocolitis and Shunt Survival in Premature Infants with Posthemorrhagic Hydrocephalus: A Hydrocephalus Clinical Research Network Study. *The Journal of pediatrics*, 291, 114985. <https://doi.org/10.1016/j.jpeds.2026.114985>

12. Do, O. A., Huang, L. C., Tam, L. T., Raub, S., Ermoian, R. P., Leary, S. E. S., Werny, D. M., **Ellenbogen, R. G., Emerson, S., Ferreira, M., Lee, A., Ruzevick, J. J.**, & Ronsley, R. J. (2026). Postoperative Visual Outcomes in Pediatric Craniopharyngioma: A Comparison of Endoscopic Endonasal and Transcranial Approaches. *Journal of pediatric hematology/oncology*, 48(4), 185–190. <https://doi.org/10.1097/MPH.0000000000003195>

13. Radaelli, C., Schmitz, M., Liu, X. P., Sawchuk, S., Opitz-Araya, X., Hudson, M., Taskin, N., Bertagnolli, D., Goldy, J., **Ko, A. L., Grannan, B. L., Hauptman, J. S.**, Patel, A. P., Cobbs, C., Smith, K. A., Spain, W. J., Lein, E. S., Bakken, T., Dembrow, N. C., Ting, J. T., ... Kalmbach, B. E. (2026). HCN channels reveal conserved and divergent physiology in supragranular pyramidal neurons in primate species. *Communications biology*, 9(1), 279. <https://doi.org/10.1038/s42003-026-09558-2>

14. Paturu, M., Woo, J., Saguira, K., Huie, D., **Hofstetter, C.**, & Abd-El-Barr, M. M. (2026). Radiographic and clinical predictors of surgical outcomes following endoscopic decompression for radiculopathy in adult degenerative scoliosis: A multi-center retrospective study. *Brain & spine*, 6, 105990. <https://doi.org/10.1016/j.bas.2026.105990>

15. Bartlett, A. M., Robertson, F. C., Shaker, E., Than, K. D., Godzik, J., **Hofstetter, C. P.**, Pollina, J., Shin, J. H., Urakov, T., Fessler, R. G., & Abd-El-Barr, M. M. (2026). Disruptive technologies in spine surgery: current trends, outcomes, and ethical implications. *Journal of neurosurgery. Spine*, 1–13. Advance online publication. <https://doi.org/10.3171/2025.10.SPINE25999>

16. Bokhari, R., Bakhaidar, M., Alnaseem, A., Bajunaid, K., Aljohani, O., Alwadai, M., Shabani, S., Navarro-Ramirez, R., **Hofstetter, C. P.**, & Abd-El-Barr, M. (2026). Lumbar Foraminal Morphology Can Affect Outcomes of Indirect Decompression: A Systematic Review and Novel Classification. *Global spine journal*, 21925682261416421. Advance online publication. <https://doi.org/10.1177/21925682261416421>
17. Hudson, M., Esposito, S., Zaki, M. M., Glynn, S. M., Kashlan, O. N., Ogunlade, J., Krishna, C., Bakhsheshian, J., & **Hofstetter, C. P.** (2026). Intraoperative Neurophysiological Monitoring in Full-Endoscopic Cervical Endoscopic ULBD. *Journal of clinical medicine*, 15(1), 327. <https://doi.org/10.3390/jcm15010327>
18. Lim, J. K., Raza, M., Lim, D. H., Kim, S., Breton, J. M., Zhao, D., Kim, P., Nair, M. N., **Hofstetter, C. P.**, & Rim, B. C. (2026). Comparative Study on Clinical Outcomes of Posterior Endoscopic Cervical Foraminotomy under Local Anesthesia with Conscious Sedation and General Anesthesia. *Journal of Korean Neurosurgical Society*, 69(1), 81–91. <https://doi.org/10.3340/jkns.2024.0229>
19. Monteiro, A., Jaikumar, V., Lim, J., Kuo, C. C., **Kim, L. J.**, **Levitt, M. R.**, Barros, G., Boulos, A. S., Paul, A. R., Hanel, R. A., Sauvageau, E., Cortez, G. M., Benalia, V. H. C., Nickelle, C., Johnson, K., Jabbour, P. M., El Naamani, K., Schirmer, C. M., Haussen, D. C., Grossberg, J. A., ... Siddiqui, A. H. (2026). Endovascular and Microsurgical Treatment for Middle Cerebral Artery Bifurcation Aneurysms: Experience From 10 High-Volume United States Cerebrovascular Centers. *Neurosurgery*, 10.1227/neu.0000000000003967. Advance online publication. <https://doi.org/10.1227/neu.0000000000003967>
20. Salem, M. M., Helal, A., Gajjar, A. A., Sioutas, G., El Naamani, K., Heiferman, D. M., Lylyk, I., Levine, A., Renieri, L., Monteiro, A., Salih, M., Abbas, R., Abdelsalam, A., Desai, S., Saber, H., Catapano, J. S., Borg, N., Lanzino, G., Brinjikji, W., Tanweer, O., ..., **Kim, L.J.**, **Levitt, M.R.**,... Burkhardt, J. K. (2026). Multicenter analysis of flow diversion for recurrent/persistent intracranial aneurysms after stent-assisted coiling. *Journal of neurointerventional surgery*, 18(2), 324–331. <https://doi.org/10.1136/jnis-2024-022422>
21. Ronsley, R., Choe, M., Wright, J., Seidel, K., **Lee, A.**, Wendler, J., Annesley, C., Jensen, M. C., Park, J. R., Vitanza, N. A., & Gust, J. (2025). Tumor inflammation-associated neurotoxicity in children with diffuse intrinsic pontine glioma receiving B7-H3-targeting CAR T cells on BrainChild-03. *Neuro-oncology practice*, 13(1), 105–111. <https://doi.org/10.1093/nop/npaf080>
22. Burks, J. D., Abdelsalam, A., Luther, E. M., Christopher, K. M., Silva, M. A., Jabbour, P., Al Kasab, S., **Levitt, M. R.**, Sanikommu, S., Abla, A. A., Kan, P., Arthur, A. S., Osbun, J. W., Park, M. S., Chalouhi, N., Eatz, T., Sweid, A., Wolfe, S. Q., Spiotta, A. M., Fargen, K. M., ... Starke, R. M. (2026). Predictors of Intracranial Aneurysm Residual Filling After Treatment With Flow Diversion at Early Follow-up: A Multicenter Experience of 2277 Patients. *Neurosurgery*, 98(1), 239–245. <https://doi.org/10.1227/neu.0000000000003747>
23. Kniep, H., Gellissen, S., Bechstein, M., Meyer, L., Broocks, G., Heitkamp, C., Winkelmeier, L., Flottmann, F., Geest, V., Hanning, U., Thaler, C., Bester, M., Davies, J. M., Knopman, J., Mokin, M., Hassan, A. E., Harbaugh, R. E., Khalessi, A., Siddiqui, A. H., Gross, B. A., ..., **Levitt, M.R.**, ... EMBOLISE Investigators (2026). Middle Meningeal Artery Embolization for Subdural Hematoma: CT/MRI End

Points of the EMBOLISE Trial. *Radiology*, 318(1), e251746. <https://doi.org/10.1148/radiol.251746>

24. Gaub, M., Abo Kasem, R., Maier, I., Rai, A., Jabbour, P., Kim, J. T., Howard, B., Alawieh, A., Wolfe, S. Q., Starke, R. M., Psychogios, M. N., Shaban, A., Goyal, N., Dye, J., Alaraj, A., Ezzeldin, M., Yoshimura, S., Fiorella, D., Tanweer, O., Romano, D. G., ... , **Levitt, M.R.**, ... Mascitelli, J. (2026). Frontline aspiration versus stent retriever thrombectomy for M2 occlusions: Insights from the STAR registry. *European stroke journal*, 11(1), 23969873251381924. <https://doi.org/10.1093/esj/23969873251381924>

25. Chen, H., Colasurdo, M., Matsukawa, H., Cunningham, C., Maier, I., Al Kasab, S., Jabbour, P., Kim, J. T., Wolfe, S. Q., Rai, A., Starke, R. M., Psychogios, M. N., Samaniego, E. A., Goyal, N., Yoshimura, S., Cuellar, H., Grossberg, J. A., Alawieh, A., Alaraj, A., Ezzeldin, M., ..., **Levitt, M.R.**, ... Kan, P. (2026). Conventional versus advanced imaging selection for endovascular treatment of basilar artery occlusion strokes. *European stroke journal*, 11(1), 23969873251364973. <https://doi.org/10.1093/esj/23969873251364973>

26. Zheng, K., Mo, S., Wen, Z., Li, J., Miao, Z., Lu, X., He, H., Cao, Y., Zhao, B., **Levitt, M. R.**, Chen, L., Wang, S., Zhu, C., & Liu, Q. (2026). Enhanced versus standard blood pressure lowering on intracranial aneurysm rupture or growth (ChATIA-1 trial): protocol for a multi-centered, prospective, open-label randomized controlled trial. *Frontiers in neurology*, 16, 1627936. <https://doi.org/10.3389/fneur.2025.1627936>

27. Ezzeldin, M., Hukamdad, M., Abo Kasem, R., Ezzeldin, R., Maier, I., Rai, A. T., Jabbour, P., Kim, J. T., Howard, B. M., Alawieh, A., Wolfe, S. Q., Starke, R. M., Psychogios, M. N., Shaban, A., Goyal, N., Dye, J., Alaraj, A., Yoshimura, S., Fiorella, D., Tanweer, O., ..., **Levitt, M.R.**, ... Spiotta, A. M. (2026). Comparative efficacy and safety of stent retrievers as a bailout strategy following failed contact aspiration technique in acute stroke thrombectomy. *Journal of neurointerventional surgery*, 18(2), 390–398. <https://doi.org/10.1136/jnis-2024-022781>

28. Tian, K., Chang, Z., Yang, Y., Liu, P., Mossa-Basha, M., **Levitt, M.R.**, Zhai, D., Liu, D., Li, H., Liu, Y., Zhang, J., Cao, C., Zhu, C., Jiang, P., Liu, Q., He, H., & Xia, Y. (2026). CTA-based deep-learning integrated model for identifying irregular shape and aneurysm size of unruptured intracranial aneurysms. *Journal of neurointerventional surgery*, 18(2), 540–546. <https://doi.org/10.1136/jnis-2024-022784>

29. Walker, M., **Levitt, M. R.**, Federico, E. M., Miralles, F. J., Levy, S. H., Lynne Prijoles, K., Winter, A., Swicord, J. K., & Sancak, Y. (2026). Autologous mitochondrial transplant for acute cerebral ischemia: Phase 1 trial results and review. *Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism*, 46(2), 322–332. <https://doi.org/10.1177/0271678X241305230>

30. Miralles, F. J., Prijoles, K. L., Winter, A., **Levitt, M. R.**, Sancak, Y., & Walker, M. (2026). Periprocedural therapeutics do not impair extracellular mitochondrial viability in transplantation. *Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism*, 46(2), 350–358. <https://doi.org/10.1177/0271678X251340232>

31. Pressman, E., Vakharia, K., Guerrero, W. R., Sowlat, M. M., Schimmel, S., Maier, I., Raai, A., Jabbour, P., Kim, J. T., Grossberg, J. A., Alawieh, A., Wolfe, S. Q., Stark, R. M., Psychogios, M. N.,

- Samaniego, E. A., Goyal, N., Dye, J., Alaraj, A., Yoshimura, S., Ezzeldin, M., ..., **Levitt, M.R.**, ... STAR (2026). Hurting More Than Helping? Decompressive Craniectomy in Patients With Symptomatic Intracerebral Hemorrhage After Mechanical Thrombectomy in Acute Ischemic Stroke: Insights From Stroke Thrombectomy and Aneurysm Registry. *Neurosurgery*, 98(2), 345–357. <https://doi.org/10.1227/neu.0000000000003563>
32. Mosallami Aghili, S. M., **Levitt, M. R.**, Hirsch, J. A., Arthur, A. S., & Fiorella, D. (2026). Anesthesia and thrombectomy: updated meta-analysis of randomized controlled trials. *Journal of neurointerventional surgery*, jnis-2025-024743. Advance online publication. <https://doi.org/10.1136/jnis-2025-024743>
33. Mosi, M. H., Kharaji, M., Aksakal, M., Zhang, K., Watt, C., Cheng, D., **Levitt, M. R.**, Canton, G., Yuan, C., Balu, N., & Mossa-Basha, M. (2026). Quantitative MRA Feature Prediction of Post-Aneurysmal Subarachnoid Hemorrhage Delayed Cerebral Ischemia and Angiographic Vasospasm. *AJNR. American journal of neuroradiology*, ajnr.A9303. Advance online publication. <https://doi.org/10.3174/ajnr.A9303>
34. Findlay, M. C., Gandhoke, G. S., Davies, J. M., Knopman, J., Smith, K. J., Mokin, M., Hassan, A. E., Harbaugh, R. E., Khalessi, A., Fiehler, J., Gross, B. A., Tarpley, J. W., Sivakumar, W., Bain, M., Crowley, R. W., Link, T. W., Fraser, J. F., **Levitt, M. R.**, Chen, P. R., Hanel, R. A., ... EMBOLISE Investigators (2026). Cost-Effectiveness of Adjunctive Middle Meningeal Artery Embolization for Chronic Subdural Hematoma: Secondary Analysis of EMBOLISE. *AJNR. American journal of neuroradiology*, ajnr.A9319. Advance online publication. <https://doi.org/10.3174/ajnr.A9319>
35. Young, M. J., Tramazzo, J. C., McKinney, I. R., Gilmore, N., Hu, C. G., Ditzel, R. M., Jr, Modlin, R. E., McNamara, C., Bonvie, J., Tromly, S. L., Jewell, J. A., Mucciarone, J. J., **Mac Donald, C. L.**, Dams-O'Connor, K., Bodien, Y. G., & Edlow, B. L. (2026). Sharing Clinically Relevant Research Results with Active-Duty Special Operations Forces: Toward an Ethical Framework for Responsible Disclosure. *Journal of neurotrauma*, 43(5-6), 412–428. <https://doi.org/10.1177/08977151251398056>
36. Tseng, C. J., Guo, J., Gilmore, N., Greve, D. N., McKinney, I. R., Healy, B. C., Tromly, S. L., Dams-O'Connor, K., **Mac Donald, C. L.**, Perl, D. P., Hooker, J. M., Bodien, Y. G., Edlow, B. L., Kimberly, W. T., & Zürcher, N. R. (2026). Tau biomarkers in Special Operations Forces with repeated blast exposure: a cross-sectional study. *Brain communications*, 8(2), fcag061. <https://doi.org/10.1093/braincomms/fcag061>
37. Sytsma, K., Mittenzwei, R., Maioli, H., Kirkland, A., Keene, C. D., Diaz-Arrastia, R., **Mac Donald, C.**, Maffei, C., Edlow, B. L., & Nolan, A. L. (2026). Traumatic Microhemorrhages Are Not Synonymous With Axonal Injury. *Annals of clinical and translational neurology*, 10.1002/acn3.70309. Advance online publication. <https://doi.org/10.1002/acn3.70309>
38. Maia, O. A. C., Oliveira, L. M., **Ramirez, J. M.**, Takakura, A. C., & Moreira, T. S. (2026). Tachykinergic signaling mediated by NK1 receptors in the respiratory parafacial region drives respiratory output and contributes to the chemoreflex response to CO₂. *Pflugers Archiv : European journal of physiology*, 478(2), 20. <https://doi.org/10.1007/s00424-025-03147-8>
39. Nelson, L. D., Simons, M. U., Jain, S., Sun, X., Choi, K., **Temkin, N.**, Diaz-Arrastia, R., Gardner, R., Taylor, S., Manley, G. T., & Stein, M. B. (2026). Role of Polygenic Risk Scores in Predicting Cognitive

Functioning after Mild Traumatic Brain Injury: A TRACK-TBI Study. *Journal of neurotrauma*, 8977151261432398. Advance online publication. <https://doi.org/10.1177/08977151261432398>

40. Gray, S., Amadon, G., **Temkin, N.**, Darsie, M., Giacino, J. T., Corrigan, J. D., Korley, F., Whyte, J., Stein, M. B., Manley, G. T., McCrea, M. A., & Nelson, L. D. (2026). Use of In-Hospital Mild Traumatic Brain Injury Symptom Checklist Within 24 Hours of Injury to Predict 3-Month Symptom Outcome. *The Journal of emergency medicine*, 80, 211–219. <https://doi.org/10.1016/j.jemermed.2025.10.008>

41. Luciano, M. G., **Williams, M. A.**, & Hamilton, M. G. (2026). Shunting for Idiopathic Normal-Pressure Hydrocephalus. Reply. *The New England journal of medicine*, 394(10), 1034–1035. <https://doi.org/10.1056/NEJMc2600201>

2026 April – June

1. Shenoy VS, Abecassis Z, Celano E, **Sekhar LN**. Microsurgical Gross Total Resection of a Complex Clinoidal and Optic Canal Meningioma Through a Frontotemporal Craniotomy and Posterolateral Orbitotomy. *Oper Neurosurg*. 2026 Jul 1;31(1):174. doi: 10.1227/ons.0000000000001821. Epub 2025 Nov 13. PMID: 41230984.

2. Hiatt K, Abecassis ZA, Eaton J, Hanks T, Raub S, Baird-Daniel E, Zhao Z, El-Ghazali F, Nistal D, Jamshidi A, Hartl K, Child D, Lee A, Bly R, **Ferreira M Jr**, **Ruzevick J**, **Emerson S**. Pituitary Stalk Lesion Sampling by Transsphenoidal Posterior Lobe Biopsy: A Case Series. *J Neurol Surg B Skull Base*. 2025 Jun 16;87(3):308-313. doi: 10.1055/a-2620-3407. PMID: 42095031; PMCID: PMC13143383.

3. Abecassis ZA, **Ellenbogen RG**. Surgical Approaches to Pineal Region Tumors. *Adv Tech Stand Neurosurg*. 2026;56:183-202. doi: 10.1007/978-3-032-22008-0_9. PMID: 42393448.

4. Mendlen M, Tien RN, Chee K, Platt JP, Machnik J, Bayman E, Anigbogu C, Kern D, Ojemann SG, Thompson JA, Kramer DR. Action tremor kinematics exhibit features of stabilization dysfunction in essential tremor patients. *J Neurosci Methods*. 2026 Apr;428:110680. doi: 10.1016/j.jneumeth.2026.110680. Epub 2026 Jan 13. PMID: 41539533.

5. Anastasiou A, Brehm A, Kaesmacher J, Mujanovic A, de Dios Lascuevas M, Carmona T, López-Frías A, Valverde BH, Nguyen TN, Abdalkader M, Klein P, Thevoz G, Michel P, Bartolini B, Kaschner M, Weiss D, Alexandre AM, Pedicelli A, Machi P, Bernava G, Kuwahara S, Uchida K, Wenderoth J, Joshi A, Karwacki G, Bolognese M, Tessitore A, Vinci SL, Cervo A, Rollo C, Hui F, Mozumder AS, Romano DG, Frauenfelder G, Goyal N, Batra V, Inoa-Acosta V, Cognard C, Hoferica M, Rautio R, Kaiser DPO, Gerber JC, Clarke J, **Levitt MR**, ... Psychogios MN. Blood pressure management in patients receiving rescue stenting after failed endovascular treatment in large vessel occlusion acute ischaemic stroke: a multicentre registry. *Eur Stroke J*. 2026 May 6;11(5):aakag035. doi: 10.1093/esj/aakag035. PMID: 42114130; PMCID: PMC13160419.

6. Vu SH, El-Ghazali F, Evans LP, Scherpelz KP, Liu YK, Smith S, **Grannan B**. Atraumatic intraneural heterotopic ossification of the common peroneal nerve: illustrative case. *J Neurosurg Case Lessons*. 2026 Jun 8;11(23):CASE25623. doi: 10.3171/CASE25623. PMID: 42258889; PMCID: PMC13245192.

7. Gajjar AA, Jabarkheel R, Salem MM, Musmar B, Kandregula S, Abdalrazeq H, Adeeb N, Aslan A, Ramachandran N, Tjoumakaris SI, Salim HA, Dmytriw AA, Ogilvy CS, Baskaya MK, Kondziolka D, Sheehan J, Riina H, Abushehab A, El Naamani K, Muhammad N, Abdelsalam A, Ironside N, Kumbhare D, Gummadi S, Ataoglu C, Essibayi MA, Keles A, Muram S, Sconzo D, Rezai A, Alwakaa O, Davis P, Tos SM, Erginoglu U,

- Pöppe J, Sen RD, Boulos AS, Dalfino JC, Griessenauer CJ, Starke RM, **Sekhar LN**, **Levitt MR**, Altschul DJ, Haranhalli N, **McAvoy M**, Zeineddine HA, Abba AA, Sizdahkhani S, Koduri S, Gooch MR, Rosenwasser RH, Stapleton C, Koch M, Chen PR, Blackburn S, Bulsara K, **Kim LJ**...Srinivasan VM. International multi-center study to quantify the effect of deep venous drainage after surgical resection of Spetzler-Martin Grade II-III brain arteriovenous malformations. *Neurosurg Rev*. 2026 May 22;49(1):414. doi: 10.1007/s10143-026-04310-0. PMID: 42168675; PMCID: PMC13194320.
8. Duerr E, Mensah EO, Herr S, Mendlen M, **Muzyka L**, Duffy J, Benzil DL, Ben-Haim S, Chambless L, Close LN, Darrow D, Goodwin CR, McDaniel KE, Ortega-Barnett J, Zoeller G, Williamson T. LGBTQ+ Inclusivity in Neurosurgery: Exploring Physicians' Knowledge, Experience, and Competence. *Neurosurg Pract*. 2026 Apr 10;7(2):e000224. doi: 10.1227/neuprac.0000000000000224. PMID: 41982318; PMCID: PMC13075900.
9. Wishart D, Luna-Lupercio B, **Muzyka L**, Feldman MJ, Durham SR, Limoges N. Who are we training and where do they go? Trends in demographics in the pediatric neurosurgery workforce. *J Neurosurg Pediatr*. 2026 Jun 26:1-7. doi: 10.3171/2025.12.PEDS25211. Epub ahead of print. PMID: 42361388.
10. Arendt-Tranholm A, Sankaranarayanan I, Payne C, Mancilla Moreno M, Mazhar K, Yap N, Chiu AP, Barry A, Patel PJ, Inturi NN, Tavares-Ferreira D, **Amin A**, **Karandikar M**, Jarvik JG, Turner JA, **Hofstetter CP**, Curatolo M, Price TJ. Transcriptome of the human C2 dorsal root ganglia in C1-2 arthrodesis surgery: insight for neck pain. *Brain*. 2026 Apr 7;149(4):1349-1364. doi: 10.1093/brain/awaf370. PMID: 41032656; PMCID: PMC13058466.
11. Bohlen P, Leyendecker J, Payne C, Krause P, Bieler E, Bredow J, Eysel P, Telfeian A, Derman P, Kashlan O, Konakondla S, Ogunlade J, Hasan S, Huang M, Mahan M, **Khan I**, Gardocki RJ, Lambrechts M, **Amin A**, Huie D, Hafez D, Elsayed G, Basil G, Hofstetter CP; Endoscopic Spine Research Group (ESRG). The first week matters: App-based PROM trajectories and follow-up retention after endoscopic lumbar surgery. *Brain Spine*. 2026 May 10;6:106080. doi: 10.1016/j.bas.2026.106080. PMID: 42170383; PMCID: PMC13188115.
12. **Chesnut RM**, **Temkin N**, Barber J, **Park C**, **Bonow RH**; BOOST II Investigators. What Do We Do When the ICP Goes Up? *Neurocrit Care*. 2026 Apr 8. doi: 10.1007/s12028-026-02504-4. Epub ahead of print. PMID: 41949746.
13. Brown J, Hamrick F, Abo Kasem R, Bi P, **Nistal D**, Abecassis JJ, Sieg EP, **Chen SH**, **Bonow RH**, Grandhi R. Management and Outcomes of Traumatic Cerebral Venous Sinus Injury Among Patients With Traumatic Brain Injury and Concomitant Intracranial Hemorrhage. *Neurosurgery*. 2026 Apr 10. doi: 10.1227/neu.0000000000004027. Epub ahead of print. PMID: 41960924.
14. **Chesnut RM**, **Temkin N**, Barber J, **Park C**, **Bonow RH**; Brain Tissue Oxygen Monitoring and Management in Severe Traumatic Brain Injury II (BOOST II) Investigators. Concordance Between Bedside and Electronic Detection of Intracranial Pressure Crises: Insights From the Brain Tissue Oxygen Monitoring and Management in Severe Traumatic Brain Injury II Trial. *Crit Care Med*. 2026 Jun 18. doi: 10.1097/CCM.0000000000007223. Epub ahead of print. PMID: 42302399.
15. Ravindra VM, Kestle JRW, Jensen H, Kulkarni AV, Limbrick DD Jr, Stanton A, Wellons JC 3rd, Naftel RP, Rozzelle CJ, Rocque BG, Pollack IF, Tamber MS, **Browd SR**, ... Riva-Cambrin J; Hydrocephalus Clinical Research Network. Necrotizing Enterocolitis and Shunt Survival in Premature Infants with Posthemorrhagic Hydrocephalus: A Hydrocephalus Clinical Research Network Study. *J Pediatr*. 2026 Apr;291:114985. doi: 10.1016/j.jpeds.2026.114985. Epub 2026 Jan 16. PMID: 41548743.

16. Limbrick DD Jr, Shannon CN, Bayman EO, Meehan T, Kallem M, Ackerman LL, Adelson PD, Ahmed R, Albert G, Aldana PR, Alden TD, Anderson RCE, Baird LC, Bauer D, Bethel-Anderson T, Bierbrauer K, Brockmeyer DL, Chern JJ, Couture DE, Daniels DJ, Dauser RC, Dlouhy BJ, Durham SR, **Ellenbogen RG**, ... Torner JC; Park-Reeves Syringomyelia Research Consortium Investigators. Decompression with or without Duraplasty for Chiari I and Syringomyelia. *N Engl J Med*. 2026 May 28;394(20):2015-2025. doi: 10.1056/NEJMoa2402821. PMID: 42202320.
17. Elkaim LM, Chen JS, Abecassis IJ, Sigal A, Ibrahim GM, Fallah A, Venne D, Amlie-Lefond C, Hadjinicolaou A, Jabre R, Kaseka ML, **Ellenbogen RG**, Wang AC, Weil AG. Surgical revascularization versus nonsurgical management in children with symptomatic moyamoya arteriopathy: a North American multicenter cohort study. *J Neurosurg Pediatr*. 2026 May 15:1-9. doi: 10.3171/2025.10.PEDS25220. Epub ahead of print. PMID: 42139725.
18. Ashraf O, Wolfe SQ, **Emerson S**, Yager B, Bi WL, Khanna O. Pre-operative embolization of skull base meningiomas. *Neurooncol Adv*. 2026 Mar 19;8(Suppl 3):iii47-iii57. doi: 10.1093/noajnl/vdaf191. PMID: 42221985; PMCID: PMC13221134.
19. **Fillingham P**, Pionteck A, Abderezaei J, Chuang YC, Belani P, Rigney B, De Leacy RA, Fifi JT, Holdsworth SJ, Mocco J, Saloner DA, **Levitt MR**, Nael K, Kurt M. Cerebral aneurysm hemodynamics indicative of instability are associated with heterogeneous wall motion measured by amplified MRI. *J Neurointerv Surg*. 2026 Apr 16;18(5):1480-1486. doi: 10.1136/jnis-2025-023486. PMID: 40664429; PMCID: PMC12334187.
20. *Lazaro T*, Shenoy VS, McGrath M, Abecassis Z, **Ghodke B**, **Sekhar LN**. External Carotid Artery-to-Vertebral Artery Bypass With Craniocervical Vertebral Artery Decompression for Vertebrobasilar Insufficiency. *Oper Neurosurg*. 2026 Jun 15. doi: 10.1227/ons.0000000000002090. Epub ahead of print. PMID: 42294868.
21. Vu SH, Dolezal ML, Katt S, Uh J, **Grannan BL**, Smith SM, Crowe CS, Liu YK, Friedrich JB. Exploration of rehabilitation psychology in multidisciplinary care of upper extremity peripheral nerve injuries: patient and provider perspectives. *Front Rehabil Sci*. 2026 May 1;7:1742388. doi: 10.3389/fresc.2026.1742388. PMID: 42147434; PMCID: PMC13176204.
22. Hamre T, Suzuki H, Soubra S, El Jammal R, Ryan MA, Mathew SJ, **Herron JA**, Moukaddam N, Storch EA, Arroyave NV, Marshall KL, Banks GP, Pouratian N, Goodman WK, Provenza NR, Sheth SA, Heilbronner SR. Transient disruption of bladder control linked to periaqueductal gray fibers following deep brain stimulation for psychiatric disorders. *Brain Stimul*. 2026 May-Jun;19(3):103092. doi: 10.1016/j.brs.2026.103092. Epub 2026 Mar 29. PMID: 41916484.
23. Noroozi Gilandehi S, Shoubash L, Leyendecker J, Konakondla S, Kashlan O, Derman P, Telfeian AE, **Hofstetter CP**, Mahan MA. Physical activity and patient-reported outcomes after decompressive endoscopic lumbar spine surgery. *J Neurosurg Spine*. 2026 Jun 19:1-11. doi: 10.3171/2026.1.SPINE25926. Epub ahead of print. PMID: 42320056.
24. Schindler AO, Gupta P, Hassan T, Mbilinyi R, Sulhan S, **Hofstetter CP**, Hasan S, Ogunlade J, Rueckels P, Payne C, Kashlan ON, Derman P, Holman P, Barber S, Huang M. Intraoperative Neuromonitoring Events in Transforaminal Endoscopy Using the Trans-Superior Articular Process Approach. *Oper Neurosurg*. 2026 May 13. doi: 10.1227/ons.0000000000002059. Epub ahead of print. PMID: 42132145.

25. Oliveira LM, Miranda NC, Lim HK, Severs L, Takakura AC, Moreira TS, Li L, **Kalume F, Ramirez JM**. Astrocyte activation in the ventrolateral medulla modulates breathing and arousal states. *Nat Commun*. 2026 May 23. doi: 10.1038/s41467-026-73208-8. Epub ahead of print. PMID: 42177180.
26. Santos AN, Sanikommu S, Dawoud B, Hallak H, Gross B, **Levitt MR**, Wipplinger C, Lanzino G, Chen CJ, Abecassis IJ, Ding D, Samaniego EA, Alaraj A, Potgieser ARE, Satomi J, Tada Y, Chatterjee AR, van Dijk JMC, Amin-Hanjani S, Nguyen QN, Hayakawa M, **Kim LJ**, Sheehan J, Fox WC, Du R, Luther E, Osbun JW, Zipfel GJ, Starke RM. Systemic Cardiovascular Factors and Outcomes in Dural Arteriovenous Fistulas: Insights From the CONDOR Registry. *Stroke*. 2026 May 11. doi: 10.1161/STROKEAHA.126.055466. Epub ahead of print. PMID: 42109146.
27. Hallak H, Connor M, Lanzino G, **Kim L, Levitt MR**, Hayakawa M, Samaniego E, Amin-Hanjani S, Alaraj A, Starke RM, Abula AA, Koch M, Dagra A, Sheehan JP, Derdeyn CP, Gross BA, Satomi J, Tada Y, Van Dijk JMC, Potgieser ARE, Bulters DO, Du R, Lawton M, Abecassis IJ, Osbun JW, Zipfel GJ. Microsurgical management of tentorial dural arteriovenous fistula: an analysis from the Consortium for Dural Arteriovenous Fistula Outcomes Research (CONDOR). *J Neurosurg*. 2026 Apr 17:1-12. doi: 10.3171/2025.11.JNS251185. Epub ahead of print. PMID: 41996712.
28. Wolfe SQ, Mascitelli JR, Fargen K, Kan P, Bulsara K, Kellner CP, Howard BM, **Levitt MR**, Armonda R, Osbun J, Schirmer C, Bain M, Mack WJ, Tjoumakaris S, Arthur A. Association of cerebrovascular center volume with patient outcomes. *Neurosurg Rev*. 2026 Jun 29;49(1):460. doi: 10.1007/s10143-026-04374-y. PMID: 42366249; PMCID: PMC13310822.
29. DeMessie B, Karandish A, Essibayi MA, Salim HA, Khatri D, Haranhalli N, Baker A, Zampolin R, Brook AL, Lee SK, Adeeb N, Lakhani DA, Li YL, Ortega DA, Cancelliere N, Diestro JD, Carnevale J, Schreiber C, Orselik A, Abecassis Z, ..., Santini PM, **Levitt MR**, Lanzino G, Knopman J, Kass-Hout T, Spears J, Marotta T, Mendes Pereira V, Patankar T, Dmytriw AA, Altschul DJ. Real-World Safety Profile of Middle Meningeal Artery Embolization for Chronic Subdural Hematoma: a Multinational Multicenter Study. *Clin Neuroradiol*. 2026 Jun 11. doi: 10.1007/s00062-026-01686-w. Epub ahead of print. PMID: 42274749.
30. Wang JC, Kim CN, Bhalla S, Scherschinski L, Gopinadhan A, Arul S, Sanchez D, Schriber TD, Apolonio ACM, Gülsuyu B, Öztürk MM, Andrews JP, Kim J, Jahromi BR, Niemelä M, Lehecka M, Poddar A, Wälchli T, Catapano JS, Sen RD, **Levitt MR**, ... Lawton MT, Winkler EA. Cerebrovascular vulnerability and fibrosis in human brain aneurysms. *Nat Neurosci*. 2026 Jun 10. doi: 10.1038/s41593-026-02326-9. Epub ahead of print. PMID: 42271045.
31. Sanchez S, Essibayi MA, Hickerson M, Ojeda DJ, Kasab SA, Yoshimura S, Jabbour PM, Mascitelli J, **Levitt MR**, Cuellar-Saenz HH, Brinjikji W, Spiotta AM, Shaban A, Samaniego EA. Morphological characteristics of brain aneurysms among age groups. *Interv Neuroradiol*. 2026 Jun;32(3):345-351. doi: 10.1177/15910199231201520. Epub 2023 Sep 16. PMID: 37715650; PMCID: PMC13305116.
32. Jiang P, Liu Y, Nie X, Chen H, Vergouwen MDI, Wu J, Yang Y, Wen Z, Mossa-Basha M, **Levitt MR**, Zhao B, Ren J, Chen X, Zhang Y, Sun B, Guo RA, Mundra S, Wang R, Wang S, Liu Q, Zhu C. Aneurysm Wall Enhancement in Patients With Unruptured Intracranial Aneurysm Using Aspirin or Statins: A Cross-Sectional Analysis of Three Prospective Cohorts. *AJNR Am J Neuroradiol*. 2026 May 29:ajnr.A9441. doi: 10.3174/ajnr.A9441. Epub ahead of print. PMID: 42217839; PMCID: PMC13355747.

33. DeMessie B, Essibayi MA, Salim HA, Karandish A, Park J, Khatri D, Haranhalli N, Baker A, Zampolin R, Brook AL, Lee SK, Adeeb N, Li YL, Simonato D, Ortega DA, Cancelliere N, Diestro JD, Carnevale JA, Schreiber C, Orscelik A, Abecassis Z, Raub S, Sioutas GS, Salsano G, Abo Kasem R, Kvint S, Falzon A, Cantrell V, Holliday B, Abaricia JO, Maleknia PD, Cruz-Criollo L, Schimmel S, Musmar B, Alexander MD, Rios Zermeno J, Koul P, Aljuboori A, Vollherbst DF, Gajski D, Cooper J, Alwakaa O, Ogilvy CS, Al-Mufti F, Kalousek V, Möhlenbruch MA, Scarcia L, Schirmer CM, Huynh T, Tawk RG, Settecasse F, Tjoumakaris S, Jabbour P, Vakharia K, Zanaty M, Ortega-Gutierrez S, Jones JG, Colasurdo M, Nasser HH, Sundararajan SH, Mosimann PJ, Nossek E, Raz E, Al Kasab S, Spiotta AM, Castellan L, Del Sette B, Michelozzi C, Saraceno D, Panni P, Srinivasan VM, Burkhardt JK, Marnat G, Santini PM, **Levitt MR**, Lanzino G, Brinjikji W, Knopman J, Kass-Hout T, Spears J, Marotta T, Mendes Pereira V, Fuschi M, Dmytriw AA, Altschul DJ; MESH collaborators. Temporal relationship between hematoma resolution and functional recovery after middle meningeal artery embolization for chronic subdural hematoma. *J Neurosurg.* 2026 May 22;1-12. doi: 10.3171/2025.12.JNS251884. Epub ahead of print. PMID: 42172679.
34. Lee C, Thompson HJ, McCurry SM, Kwon S, Park S, Phianhasin L, Huynh C, Bammler TK, Becker KJ, Bleil M, **Levitt MR**, Byun E. Gender, Inflammation, and Cognition Affect the Sleep Trajectories of Subarachnoid Hemorrhage Survivors. *Biol Res Nurs.* 2026 Apr 24;10998004261444672. doi: 10.1177/10998004261444672. Epub ahead of print. PMID: 42028784.
35. Aksakal M, Chang D, Kharaji M, Watt C, **Levitt MR**, Hippe DS, Zhu C, Mossa-Basha M. Predicting Vasospasm and Delayed Cerebral Ischemia in Aneurysmal SAH: The Role of Vessel Wall MRI. *AJNR Am J Neuroradiol.* 2026 Apr 2;47(4):937-943. doi: 10.3174/ajnr.A9024. PMID: 41022562; PMCID: PMC13045934.
36. Hsu A, El Baba B, Eshraghi S, Giraudo F, Saberian S, Chalhoub R, Alawieh A, Chisango Z, Howard BM, Spiotta AM, Sowlat MM, Tong F, Akbik F, Pabaney A, Jabbour P, Tjoumakaris SI, Maier IL, Wolfe SQ, Rai A, Starke RM, Gory B, Psychogios MN, Shaban A, Goyal N, Kim JT, Yoshimura S, Kan P, De Leacy R, Fragata I, Polifka A, Osbun JW, Williamson R, Crosa RJ, **Levitt MR**, Moss M, Park MS, Casagrande W, Matouk C, Chowdhry SA, Cawley CM, Grossberg JA; , On behalf of the STAR Collaborators. Concurrent Anterior Cerebral Artery and Middle Cerebral Artery Occlusions Predict Poor Neurological Outcome Despite Successful Thrombectomy in Anterior Circulation Stroke. *Neurosurgery.* 2026 Apr 1;98(4):848-856. doi: 10.1227/neu.0000000000003669. Epub 2025 Jul 31. PMID: 40742212.
37. Abecassis IJ, Almallouhi E, Chalhoub RM, Helal A, Naidugari JR, Kasab SA, Bass E, Ding D, Saini V, Burks JD, Maier IL, Jabbour P, Kim JT, Wolfe S, Rai A, Psychogios MN, Samaniego E, Arthur AS, Yoshimura S, Howard B, Alawieh A, Fragata I, Cuellar H, Polifka A, Mascitelli J, Osbun J, Crosa R, Matouk C, Park MS, **Levitt MR**, Dumont T, Williamson RW, Spiotta AM, Starke RM. The effect of occlusion location and technique in mechanical thrombectomy for minor stroke. *Interv Neuroradiol.* 2026 Apr;32(2):152-161. doi: 10.1177/15910199231196451. Epub 2023 Aug 18. PMID: 37593806; PMCID: PMC13100403.
38. Yue JK, Fu AY, Jain S, Puccio AM, Eagle SR, Korley FK, van Essen TA, Samanta R, Li LM, Roberts CJ, Caldwell DJ, Elguindy MM, Vassar MJ, Belton PJ, Bhattacharyay S, Nelson LD, Tracey JX, Etemad LL, Gotthardt CJ, Satris GG, Wang MB, Demos C, Sigal GB, Amorim E, Madhok DY, Radabaugh HL, Ferguson AR, Markowitz AJ, Robertson CS, Valadka AB, Mukherjee P, Yuh EL, McCrea MA, Hinson HE, Schneider ALC, Sun X, Okonkwo DO, Kobeissy FH, Manley GT, Diaz-Arrastia R, Wang KKW; **TRACK-TBI Investigators**. Inflammatory blood-based biomarkers to aid in the assessment and prognostication of traumatic brain injury: a TRACK-TBI study. *J Neuroinflammation.* 2026 May 28. doi: 10.1186/s12974-026-03891-3. Epub ahead of print. PMID:

42210282.

39. Gopinath K, Sorby-Adams A, Williams-Ramirez J, Zemlyanker D, Guo J, Hunt D, **Mac Donald CL**, Keene CD, Coalson T, Glasser MF, Van Essen D, Rosen MS, Puonti O, Kimberly WT, Iglesias JE; Alzheimer's Disease Neuroimaging Initiative. From Low Field to High Value: Robust Cortical Mapping From Low-Field MRI. *Hum Brain Mapp*. 2026 May;47(7):e70515. doi: 10.1002/hbm.70515. PMID: 42050779; PMCID: PMC13124654.
40. Gotthardt CJ, Barber JK, Eagle SR, van Essen TA, Nelson LD, Fu AY, Satris GG, Vreeburg RJG, Tracey JX, Etemad LL, Wong JC, Elguindy MM, Belton PJ, Madhok DY, Korley FK, Ferguson AR, Torres-Espin A, Duhaime AC, Halabi C, Huang MC, Tarapore PE, DiGiorgio AM, Valadka AB, Robertson CS, Mukherjee P, Yuh EL, Puccio AM, Okonkwo DO, Giacino JT, McCrea MA, Temkin NR, Manley GT, Yue JK; **TRACK-TBI Investigators**. Longitudinal pain intensity and interference symptomatology in mild traumatic brain injury: a TRACK-TBI study. *Pain*. 2026 May 1;167(5):e86-e98. doi: 10.1097/j.pain.0000000000003869. Epub 2025 Nov 19. PMID: 41734261.
41. Foroud T, Heathers LEA, Bukhari S, Poston KL, Antonopoulos G, Mantravadi K, Rumbaugh M, **Mac Donald CL**, Latimer CS, Tropea TF, Marek K, Keene CD, Montine TJ; Parkinson's Progression Markers Initiative. Insights Gained From the PPMI Brain Donation Program. *Ann Neurol*. 2026 Apr 26. doi: 10.1002/ana.78229. Epub ahead of print. PMID: 42036930.
42. Wongsripuemtet P, Ohnuma T, Temkin N, Barber J, Komisarow J, Manley GT, Hatfield J, Treggiari MM, Colton K, Sasannejad C, Chaikittisilpa N, Grandhi R, Laskowitz DT, Mathew JP, Hernandez A, James ML, Raghunathan K, Miller JB, Vavilala MS, Krishnamoorthy V; **TRACK-TBI investigators**. Association of Preinjury Beta-Blocker Exposure With Brain Injury Biomarkers Following Traumatic Brain Injury. *J Neurosurg Anesthesiol*. 2026 Apr 1;38(2):155-160. doi: 10.1097/ANA.0000000000001063. Epub 2025 Sep 30. PMID: 41024341; PMCID: PMC12988472.
43. Peng YJ, **Ramirez JM**, Prabhakar NR. Opioid-induced respiratory depression: an underappreciated role of the peripheral nervous system. *J Neurophysiol*. 2026 Jun 1;135(6):1644-1651. doi: 10.1152/jn.00090.2026. Epub 2026 May 21. PMID: 42166777.
44. Oliveira LM, Aslam MS, **Ramirez JM**, Huff AD. Mecp2 deficiency induces dysphagia in a preclinical model of Rett syndrome. *Proc Natl Acad Sci U S A*. 2026 Apr 21;123(16):e2535716123. doi: 10.1073/pnas.2535716123. Epub 2026 Apr 16. PMID: 41989852; PMCID: PMC13099680.
45. Jung S, **Ramirez JM**, Sedensky MM, Morgan PG. Effects of Isoflurane Inhibition of Mitochondrial Complex I on Calcium Removal in Mouse Neuronal Cultures. *Anesthesiology*. 2026 Apr 1;144(4):871-885. doi: 10.1097/ALN.0000000000005910. Epub 2025 Dec 19. PMID: 41417580.
46. Briggs RG, Pangal DJ, Shahrestani S, Cote DJ, Cheek SK, **Ruzevick J**, Strickland BA, Rutkowski MJ, Bove I, Feng JJ, Shah I, Gomez D, Hurth KM, Shiroishi M, Wrobel B, Carmichael JD, Micko A, Wolfsberger S, Knosp E, Cavallo L, Cappabianca P, Laws ER, Zada G. Multi-Center, Multi-National Outcomes Following Endoscopic Endonasal Resection of Nonfunctional Pituitary Adenomas. *J Neurol Surg B Skull Base*. 2025 Mar 3;87(2):151-156. doi: 10.1055/a-2538-3928. PMID: 41808981; PMCID: PMC12971227.
47. Yangi K, Qureshi K, Gok E, Demir Yangi DD, Arroyo AL, **Sekhar LN**, Heros RC, Spetzler RF, Dagi TF, Preul MC. Lateral Thinking: A Historical Analysis of the Evolution of the Far Lateral Approach and Associated Bony

Resection Strategies. *World Neurosurg*. 2026 May 20;212:125064. doi: 10.1016/j.wneu.2026.125064. Epub ahead of print. PMID: 42167650.

48. Yuan J, Lazaro T, **Sekhar LN**, Lee KC. Calcified Chondroid Mesenchymal Neoplasm of the Temporomandibular Joint: A Rare and Recently Described Benign Tumor. *Case Rep Otolaryngol*. 2026 Apr 27;2026:8249368. doi: 10.1155/crot/8249368. PMID: 42058512; PMCID: PMC13121858.

49. Shenoy VS, Celano E, Sekhar D, Hadley C, **Sekhar LN**. Long-Term Results of Macrovascular Decompression Using Suture-Pexy Transposition Technique for the Treatment of Cranial Nerve and Brainstem Compression Syndromes. *Oper Neurosurg*. 2026 Apr 20. doi: 10.1227/ons.0000000000002015. Epub ahead of print. PMID: 42007784.

50. Hinds S, Robertson C, Chen J, Yaseen A, Diaz-Arrastia R, **Temkin NR**, Cruz Navarro J, DeSantis SM, Yamal JM. High-Frequency Physiological Measures Predict Post-Admission Surgical Intervention After Severe Traumatic Brain Injury. *J Neurotrauma*. 2026 Jun;43(11-12):926-933. doi: 10.1177/08977151251395740. Epub 2025 Nov 24. PMID: 41274778.

51. **Williams MA**, Hamilton MG, Tullberg M. Idiopathic normal pressure hydrocephalus: effective treatments, failed treatments, and future directions. *Lancet Neurol*. 2026 Jun;25(6):534-535. doi: 10.1016/S1474-4422(26)00166-3. PMID: 42127917.

52. Eklund A, Bäcklund T, **Williams MA**, Jan Malm. Telemetric lumbar cerebrospinal fluid pressure monitoring for spaceflight: a novel approach to spaceflight-associated neuro-ocular syndrome research. *NPJ Microgravity*. 2026 May 7;12(1):58. doi: 10.1038/s41526-026-00586-0. PMID: 42120394; PMCID: PMC13315274.

53. **Williams MA**, Luciano MG, Malm J, Hamilton MG. The Next Era of Idiopathic Normal Pressure Hydrocephalus. *JAMA Neurol*. 2026 Apr 1;83(4):307-308. doi: 10.1001/jamaneurol.2025.5412. PMID: 41627836.

54. Herron JL, Hernandez-Vallant A, Hirchak KA, Lyons AJ, Jansen K, Dirks LG, Shaw J, McPherson SM, **Buchwald D**, McDonnell MG; HONOR Study Team. Assessing the validity of the American Indian Enculturation Scale in Alaska Native adults interested in reducing alcohol use. *J Ethn Subst Abuse*. 2026 Apr-Jun;25(2):658-671. doi: 10.1080/15332640.2024.2401863. Epub 2024 Sep 17. PMID: 39287054; PMCID: PMC11911243.

55. Obeso A, Drouard G, Jelenkovic A, Ordoñana JR, Sánchez-Romera JF, Colodro-Conde L, Ollikainen M, Aaltonen S, Corley RP, Huibregtse BM, Medda E, Fagnani C, Toccaceli V, Gatz M, Butler DA, Bartels M, Ligthart L, de Geus EJ, Christensen K, Skytthe A, Kyvik KO, Medland SE, Gordon SD, Rasmussen FE, Tynelius P, Franz CE, Kremen WS, Lyons MJ, Spector T, Mangino M, Lachance G, Magnusson PK, Pedersen NL, Dahl Aslan AK, Duncan GE, **Buchwald D**, Pyun H, Lee J, Lee SJ, Sung J, Bruins S, Pool R, Eriksson A, Martin NG, Boomsma DI, Kaprio J, Silventoinen K. Genetic and environmental effects on weight gain from young adulthood to old age and its association with body mass index in early young adulthood: an individual-based pooled analysis of 16 twin cohorts. *Int J Obes (Lond)*. 2026 Apr;50(4):768-776. doi: 10.1038/s41366-025-01998-w. Epub 2025 Dec 25. PMID: 41444398.

56. Amiri S, Bensken WP, **Buchwald D**. Assessing racial disparities in dementia-related vulnerabilities: a machine learning analysis of social, environmental, and climate factors. *Ethn Health*. 2026 Apr 8:1-17. doi:

10.1080/13557858.2026.2655623. Epub ahead of print. PMID: 41952418; PMCID: PMC13265239.

57. Obeso A, Drouard G, Jelenkovic A, Medda E, Fagnani C, Toccaceli V, Latvala A, Aaltonen S, Medland SE, Gordon SD, Lee J, Lee SJ, Sung J, Pyun H, Duncan GE, **Buchwald D**, Ordoñana JR, Sánchez-Romera JF, Carrillo E, Franz CE, Kremen WS, Corley RP, Huibregtse BM, Magnusson PK, Karlsson IK, Dahl Aslan AK, Lyons MJ, Bartels M, Ligthart L, de Geus EJC, Gatz M, Butler DA, Pool R, Eriksson A, Bruins S, Martin NG, Boomsma DI, Kaprio J, Silventoinen K. Genetic and environmental influences on educational disparities in adult weight change: an individual-based pooled analysis of 11 twin cohorts. *Int J Obes (Lond)*. 2026 Jun 12. doi: 10.1038/s41366-026-02116-0. Epub ahead of print. PMID: 42286115.

58. Suchy-Dicey AM, Rhoads K, French B, **Buchwald D**, Longstreth WT. Normative cognitive test performance and typical error patterns among American Indian older adults: The Strong Heart Study. *Neuropsychology*. 2026 Jun 15:10.1037/neu0001093. doi: 10.1037/neu0001093. Epub ahead of print. PMID: 42295276; PMCID: PMC13271159.

59. Henderson A, Haskins C, Collier AF, Maclehose R, Manson SM, **Buchwald D**. Provider Mental Health and Telehealth Utilization During COVID-19: A Cross-sectional Survey of Providers at Clinics Treating Urban American Indian and Alaska Native Peoples. *J Racial Ethn Health Disparities*. 2026 Jun 23. doi: 10.1007/s40615-026-03085-w. Epub ahead of print. PMID: 42334754.

60. Obeso Fernandez A, Eriksson A, Drouard G, Jelenkovic A, Aaltonen S, Ollikainen M, Spector T, Mangino M, Christensen K, Skytthe A, Kyvik KO, Medda E, Fagnani C, Corley RP, Huibregtse BM, Toccaceli V, Rasmussen FE, Tynelius P, Medland SE, Gordon SD, Duncan GE, **Buchwald D**, Magnusson PKE, Karlsson IK, Dahl Aslan AK, Bartels M, Ligthart L, de Geus EJC, Gatz M, Butler DA, Pyun H, Kim J, Lee SJ, Sung J, Bruins S, Pool R, Martin NG, Boomsma DI, Kaprio J, Silventoinen K. Genetic and Environmental Effects on BMI Fluctuation Across the Adult Life Course and Its Associations With Baseline BMI and BMI Change: An Individual-Based Study of 14 Longitudinal Twin Cohorts. *Diabetes Obes Metab*. 2026 Jun 25. doi: 10.1111/dom.71040. Epub ahead of print. PMID: 42351399.