

Curriculum Vitae

DAVID KURLAND, MD, PHD

Contact Information

Address: Rhode Island Hospital, 593 Eddy St., APC 6th floor, Providence RI, 02903

Work email address: dkurland@brownhealth.org

- **Additional Information**

Place of birth: Baltimore, MD, USA

Current Appointments and Leadership Positions

Hospital Appointment

07/2018 - 07/2025 | Resident | Neurosurgery | NYU Langone Medical Center | New York, NY

07/2025 - 07/2026 | Junior Attending | Neurosurgery | Brown University Health | Providence, RI

Education and Training

Education

05/2008 | B.A. | Biochemistry | Washington University in St. Louis | St. Louis, MO

05/2018 | M.D. | University of Maryland School of Medicine | Baltimore, MD

06/2016 | Ph.D | University of Maryland School of Medicine | Baltimore, MD

Postdoctoral Training

07/2018 - 07/2019 | Internship | Neurosurgery | NYU Langone Medical Center | New York, NY

07/2019 - 07/2025 | Resident | Neurosurgery | NYU Langone Medical Center | New York, NY

Awards, Honors, and Memberships in Honorary Societies

Internal

09/2010 | University of Maryland School of Medicine | 2nd Place Oral Presentation

10/2011 | University of Maryland School of Medicine | 1st Place Poster Presentation

05/2018 | University of Maryland School of Medicine | William H. Mosberg Jr. MD Award for Neurosurgery

07/2020 | New York University School of Medicine | Member, House Staff Patient Safety Council

11/2022 | New York University School of Medicine | Annual Quality and Safety Day, Outstanding Project

06/2024 | New York University School of Medicine | Department of Neurosurgery Excellence in Research Award

05/2025 | New York University School of Medicine | Karenn Groff Award for Excellence in Clinical Research and Data Science

External

05/2009 | National Institutes of Health | Best Poster Award
12/2009 | Alpha Omega Alpha | AOA Carolyn L. Kuckein Student Research Fellowship
08/2011 | American Association of Neurological Surgeons | AANS MSSRF
04/2022 | NEUROSURGERY Publications | Editorial Board member, Enhanced Abstract Panel
07/2022 | Advanced Spine Research Fellow | Globus Medical Inc.
03/2023 | AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves | Kuntz Scholar Award
03/2023 | Scoliosis Research Society | Thomas H. Whitecloud Award | Best Translational Research Paper
05/2023 | New York State Neurosurgical Society | Selected Speaker
09/2023 | Congress of Neurological Surgeons | CNS Resident Award
09/2024 | Congress of Neurological Surgeons | Spine Paper of the Year
02/2025 | AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves | Kuntz Scholar Award
02/2025 | AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves | Young Surgeon Top Abstract
09/2025 | Congress of Neurological Surgeons | Spine Paper of the Year

Ad hoc reviewer

Neurosurgery
Operative Neurosurgery
Neurosurgery Practice
Journal of Neurosurgery
Journal of Neurosurgery, Spine
Spine
Global Spine Journal
Journal of Orthopaedic Surgery and Research
Annals of Medicine
Pharmaceutical Medicine
Journal of Clinical Neuroscience
Aging
Health Informatics Journal
Frontiers in Medicine
Transfusion

Research Activity

My PhD research focused on the molecular pathophysiology of brain and spinal cord injury, specifically the molecular mechanisms leading to neuroinflammation and secondary brain injury following ischemic and hemorrhagic stroke, traumatic brain injury, and spinal cord injury. Some of my pre-clinical efforts are part of the body of work that has led to successful clinical trials. I have conducted research on spinal biomechanics as a Globus Medical Advanced Spine Research Fellow, and was involved in numerous ongoing clinical and translational research endeavors at NYU.

Clinical Activity

I am currently a junior attending and clinical instructor in complex spinal surgery at Brown University Health in the Department of Neurosurgery.. My clinical interests include minimally invasive, endoscopic, and complex spine.

Bibliography

Peer-reviewed Publications

Kurland DB, Park M, Gajjar AA, et al. Most roads lead to Cushing: Mapping neurosurgical training lineages in the United States. *World Neurosurg.* 2025;(124433):124433. doi:10.1016/j.wneu.2025.124433

Kurland DB, Frempong-Boadu A, Lau D. What's the harm? Evaluating complications associated with salvaged red blood cell transfusion in spinal deformity surgery: a nonrandomized controlled trial. *J Neurosurg Spine.* Published online August 1, 2025:1-8. doi:10.3171/2025.5.SPINE25348

de Souza DN, Kurland DB, Vialle L, et al. AO spine knowledge forums promote collaboration and elevate the impact of research: A bibliometric analysis. *Global Spine J.* Published online June 13, 2025:21925682251351012. doi:10.1177/21925682251351012

Khan HA, Dastagirzada YM, Kurland DB, et al. Assessment of flexion-extension motion after occipitocervical and atlantoaxial fusion in children. *Neurosurgery.* Published online May 21, 2025. doi:10.1227/neu.0000000000003506

Kurland DB, Givens RR, Concepción-González A, et al. Maintenance of construct integrity with subaxial cervical pedicle screws when crossing the cervicothoracic junction in complex pediatric deformity: an international multicenter study. *Childs Nerv Syst.* 2025;41(1):138. doi:10.1007/s00381-025-06791-8

Alyakin A, Stryker J, Alber DA, et al. Repurposing the scientific literature with vision-language models. *arXiv [csAI]*. Published online February 26, 2025. https://scholar.google.com/citations?view_op=view_citation&hl=en&citation_for_view=3ygrOBMAAAAJ:ISLTfruPkqC

Covell MM, Maroufi S, Kurland D, et al. The bibliometric evolution of Neurosurgery publications from 1977 to 2023. *Neurosurgery Practice.* 2025;6(1):e00128. doi:10.1227/neuprac.0000000000000128

Groff KJ, Patel A, Suryadevara CM, et al. Unveiling an untold legacy: The history of the North American Skull Base Society from the recollections of early presidents. *J Neurol Surg B Skull Base.* Published online January 22, 2025. doi:10.1055/a-2509-0223

Alber DA, Yang Z, Alyakin A, et al. Medical large language models are vulnerable to data-poisoning attacks. *News@nat,Com.* Published online January 8, 2025:1-9. doi:10.1038/s41591-024-03445-1

Kurland DB, Lau D. In reply: What are we transfusing? Evaluating the quality and clinical utility of intraoperatively salvaged red blood cells in spinal deformity surgery: A nonrandomized controlled trial. *Neurosurgery.* Published online January 8, 2025. doi:10.1227/neu.00000000000003323

Kurland DB, Lau D. In reply: What are we transfusing? Evaluating the quality and clinical utility of intraoperatively salvaged red blood cells in spinal deformity surgery: A nonrandomized

controlled trial. *Neurosurgery*. Published online December 20, 2024.
doi:10.1227/neu.0000000000003312

Alyakin A, Kurland D, Alber DA, et al. CNS-CLIP: Transforming a neurosurgical journal into a multimodal medical model. *Neurosurgery*. Published online December 5, 2024.
doi:10.1227/neu.0000000000003297

Eremiev AN, Orillac C, Sangwon K, et al. Disparities in neurosurgical care: Using length of stay to evaluate efficiency of care in New York City hospitals. *J Hosp Adm*. 2024;13(2):59.
doi:10.5430/jha.v13n2p59

Eremiev AN, Orillac C, Sangwon KL, et al. Disparities in neurosurgical care: Using length of stay to evaluate efficiency of care in New York City hospitals. *J Hosp Adm*. 2024;13(2):59-71.
doi:10.5430/jha.v13n2p59

Dastagirzada Y, Neifert S, Kurland DB, et al. Vertebral column subluxation in neurofibromatosis type 1-associated dystrophic scoliosis: A report of two cases and narrative review. *Oper Neurosurg (Hagerstown)*. Published online September 20, 2024.
doi:10.1227/ons.0000000000001373

Mir JM, Kurland DB, Cheung ATM, et al. The evolution of pediatric spine surgery: A bibliometric analysis of publications from 1902 to 2023. *Neurosurg Pract*. 2024;5(3):e00092.
doi:10.1227/neuprac.0000000000000092

Mir JM, Kurland DB, Cheung ATM, et al. The Evolution of Pediatric Spine Surgery: A Bibliometric Analysis of Publications From 1902 to 2023. *Neurosurgery Practice*. 2024;5(3):e00092.
https://scholar.google.com/citations?view_op=view_citation&hl=en&user=3ygrOBMAAAAJ&sorthby=pubdate&citation_for_view=3ygrOBMAAAAJ:M3NEmzRMikIC

Kurland DB, Alber D, Smith A, et al. What are we transfusing? Evaluating the quality and clinical utility of intraoperatively salvaged red blood cells in spinal deformity surgery: A nonrandomized controlled trial. *Neurosurgery*. 2024;95(5):976-985.
doi:10.1227/neu.0000000000003131

Eremiev A, Kurland DB, Carter C, et al. Trends in the corpus of literature on endoscopic third ventriculostomy: a bibliometric analysis spanning 3 decades. *J Neurosurg Pediatr*. Published online July 26, 2024;1-13. doi:10.3171/2024.5.PEDS24135

Kurland DB, Save A, Patel A, et al. The evolution of skull base surgery: A bibliometric analysis spanning nearly 125 years. *J Neurol Surg B Skull Base*. Published online July 22, 2024.
doi:10.1055/s-0044-1788636

Eremiev AN, Huell D, Solis J, et al. The history of Bellevue Neurosurgery: a legacy of learning, discovery, and service. *J Neurosurg*. Published online July 19, 2024;1-11.
doi:10.3171/2024.4.JNS232152

Lau D, Kurland DB, Neifert S, Pahys J, Samdani A, Hwang S. Learning curve associated with thoracoscopic anterior vertebral body tether and double anterior vertebral body tether for idiopathic scoliosis: Analysis of three independent surgeons. *Oper Neurosurg (Hagerstown)*. Published online June 18, 2024. doi:10.1227/ons.0000000000001212

Eremiev A, London D, Ber R, et al. Digital preoperative huddle platform use leads to decreased surgical cost. *Neurosurgery*. Published online June 6, 2024. doi:10.1227/neu.0000000000002994

Eremiev A, Kurland DB, Cheung ATM, et al. Association between structural rib autograft and the rate of arthrodesis in children undergoing occiput-C2 instrumentation and fusion. *J Neurosurg Pediatr*. 2024;33(6):583-590. doi:10.3171/2024.1.PEDS23419

Kurland DB, Lendhey M, Delavari N, et al. Percutaneous Juxtapedicular Cement Salvage of Failed Spinal Instrumentation? Institutional Experience and Cadaveric Biomechanical Study. *Oper Neurosurg (Hagerstown)*. 2024;26(1):38-45. doi:10.1227/ons.0000000000000924

Bi CL, Kurland DB, Ber R, et al. Digital Biomarkers and the Evolution of Spine Care Outcomes Measures: Smartphones and Wearables. *Neurosurgery*. 2023;93(4):745-754. doi:10.1227/neu.00000000000002519

Kurland DB, Cheung ATM, Kim NC, et al. A Century of Evolution in Spine Surgery Publications: A Bibliometric Analysis of the Field From 1900 to 2023. *Neurosurgery*. Published online August 23, 2023. doi:10.1227/neu.00000000000002648

Khan HA, Ber R, Neifert SN, et al. Carbon fiber–reinforced PEEK spinal implants for primary and metastatic spine tumors: a systematic review on implant complications and radiotherapy benefits: Presented at the 2023 AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves. *J Neurosurg Spine*. 2023;1(aop):1-14. doi:10.3171/2023.5.SPINE23106

Cheung ATM, Kurland DB, Neifert S, et al. Developing an Automated Registry (Autoregistry) of Spine Surgery Using Natural Language Processing and Health System Scale Databases. *Neurosurgery*. Published online June 22, 2023. doi:10.1227/neu.00000000000002568

Jiang LY, Liu XC, Nejatian NP, et al. Health system-scale language models are all-purpose prediction engines. *Nature*. Published online June 7, 2023. doi:10.1038/s41586-023-06160-y

Kurland DB, Lau D, Kim NC, Ames C. A bibliometric analysis of patient-reported outcome measures in adult spinal deformity, and the future of patient-centric outcome assessments in the era of predictive analytics. *Semin Spine Surg*. 2023;35(2):101032. doi:10.1016/j.semss.2023.101032

Kurland DB, Neifert S, Khan H, Lau D. Surgical management of Hirayama disease in a pediatric patient presenting with severe cervical kyphosis and focal myelopathy: illustrative case. *J Neurosurg Case Lessons*. 2023;5(17). doi:10.3171/CASE22544

Dastagirzada YM, Kurland DB, Hankinson TC, Anderson RC. Craniovertebral Junction Instability in the Setting of Chiari Malformation. *Neurosurg Clin N Am*. 2023;34(1):131-142. doi:10.1016/j.nec.2022.09.006

Dastagirzada YM, Alexiades NG, Kurland DB, et al. Developing consensus for the management of pediatric cervical spine disorders and stabilization: a modified Delphi study. *J Neurosurg Pediatr*. 2023;31(1):32-42. doi:10.3171/2022.9.PEDS22319

Benjamin CG, Dastagirzada Y, Bevilacqua J, et al. The cost effectiveness of Implementation of a postoperative endocrinopathy management protocol after resection of pituitary adenomas. *J Neurol Surg B Skull Base*. 2022;83(6):618-625. doi:10.1055/s-0042-1750718

Kurland DB, Lau D, Dalle Ore CL, Haddad A, Deviren V, Ames CP. Combined retropleural thoracotomy and posterior spinal approach for thoracic dumbbell Schwannoma: Case series and review of the literature. *J Clin Neurosci*. 2022;106:173-179. doi:10.1016/j.jocn.2022.10.027

Liu DD, Kurland DB, Ali A, Golfinos JG, Nossek E, Riina HA. Pial brainstem artery arteriovenous malformation with flow-related intracanalicular aneurysm masquerading as vestibular schwannoma: illustrative case. *J Neurosurg Case Lessons*. 2022;4(3):CASE22208. doi:10.3171/case22208

Neifert SN, Khan HA, Kurland DB, et al. Management and surgical outcomes of dystrophic scoliosis in neurofibromatosis type 1: a systematic review. *Neurosurg Focus*. 2022;52(5):E7. doi:10.3171/2022.2.FOCUS21790

Kurland DB, Mureb MC, Liu AH, Seidenstein AH, Stern E, Anderer EG. Yoga as an adjunctive treatment for nonoperative low-back pain. *J Neurosurg Spine*. 2022;36(3):517-521. doi:10.3171/2021.6.SPINE2198

Rozman PA, Kurland DB, Golub D, et al. Venous duplex ultrasound surveillance in the neurosurgical population: A single-center quality improvement initiative. *World Neurosurg*. 2020;144:e80-e86. doi:10.1016/j.wneu.2020.07.207

Tang K, Kurland D, Vasudevaraja V, et al. Exploring DNA methylation for prognosis and analyzing the tumor microenvironment in pleomorphic xanthoastrocytoma. *J Neuropathol Exp Neurol*. 2020;79(8):880-890. doi:10.1093/jnen/nlaa051

Robertson FC, Esene IN, Kolias AG, et al. Global perspectives on task shifting and task sharing in neurosurgery. *World Neurosurg X*. 2020;6(100060):100060. doi:10.1016/j.wnsx.2019.100060

Tang KHK, Kurland DB, Vasudevaraja V, Serrano J, Radmanesh A, Snuderl M. Path-40. Profiling Pleomorphic xanthoastrocytoma with DNA methylation and exploring the tumor immune cell-type composition with methylation-based deconvolution. *Neuro Oncol*. 2019;21(Supplement_6):vi152-vi152. doi:10.1093/neuonc/noz175.636

Schriml LM, Mittraka E, Munro J, et al. Human Disease Ontology 2018 update: classification, content and workflow expansion. *Nucleic Acids Res.* 2019;47(D1):D955-D962. doi:10.1093/nar/gky1032

Karimy JK, Zhang J, Kurland DB, et al. Inflammation-dependent cerebrospinal fluid hypersecretion by the choroid plexus epithelium in posthemorrhagic hydrocephalus. *Nat Med.* 2017;23(8):997-1003. doi:10.1038/nm.4361

Hayman EG, Kurland DB, Grunwald Z, Urdy S, Sheth KN, Simard JM. Decompressive craniectomy in neurocritical care. *Semin Neurol.* 2016;36(6):508-519. doi:10.1055/s-0036-1592170

Kurland DB, Gerzanich V, Karimy JK, et al. The Sur1-Trpm4 channel regulates NOS2 transcription in TLR4-activated microglia. *J Neuroinflammation.* 2016;13(1):130. doi:10.1186/s12974-016-0599-2

Iqbal S, Hayman EG, Hong C, et al. Inducible nitric oxide synthase (NOS-2) in subarachnoid hemorrhage: Regulatory mechanisms and therapeutic implications. *Brain Circ.* 2016;2(1):8-19. doi:10.4103/2394-8108.178541

Kurland DB, Khaladj-Ghom A, Stokum JA, et al. Complications associated with decompressive craniectomy: A systematic review. *Neurocrit Care.* 2015;23(2):292-304. doi:10.1007/s12028-015-0144-7

Caffes N, Kurland DB, Gerzanich V, Simard JM. Glibenclamide for the treatment of ischemic and hemorrhagic stroke. *Int J Mol Sci.* 2015;16(3):4973-4984. doi:10.3390/ijms16034973

Kwon MS, Woo SK, Kurland DB, et al. Methemoglobin is an endogenous Toll-like receptor 4 ligand—relevance to subarachnoid hemorrhage. *Int J Mol Sci.* 2015;16:5028-5046. doi:10.3390/ijms16035028

Karimy JK, Kahle KT, Kurland DB, Yu E, Gerzanich V, Simard JM. A novel method to study cerebrospinal fluid dynamics in rats. *J Neurosci Methods.* 2015;241:78-84. doi:10.1016/j.jneumeth.2014.12.015

Stokum JA, Kurland DB, Gerzanich V, Simard JM. Mechanisms of astrocyte-mediated cerebral edema. *Neurochem Res.* 2015;40(2):317-328. doi:10.1007/s11064-014-1374-3

Kurland DB, Gerzanich V, Simard JM. DAMPs converging on Toll-like receptor 4 in hemorrhagic stroke, a Mini-Review. *Curr Neurobiol.* Published online 2015. https://scholar.google.ca/scholar?cluster=2315659414406726089&hl=en&as_sdt=0,5&scioldt=0,5

Hong CM, Tosun C, Kurland DB, Gerzanich V, Schreiber D, Simard JM. Biomarkers as outcome predictors in subarachnoid hemorrhage--a systematic review. *Biomarkers.* 2014;19(2):95-108. doi:10.3109/1354750X.2014.881418

Tosun C, Kurland DB, Mehta R, et al. Inhibition of the Sur1-Trpm4 channel reduces neuroinflammation and cognitive impairment in subarachnoid hemorrhage. *Stroke*. 2013;44(12):3522-3528. doi:10.1161/STROKEAHA.113.002904

Kurland DB, Tosun C, Pampori A, et al. Glibenclamide for the treatment of acute CNS injury. *Pharmaceuticals (Basel)*. 2013;6(10):1287-1303. doi:10.3390/ph6101287

Tosun C, Koltz MT, Kurland DB, et al. The protective effect of glibenclamide in a model of hemorrhagic encephalopathy of prematurity. *Brain Sci*. 2013;3(1):215-238. doi:10.3390/brainsci3010215

Niethamer TK, Yardeni T, Leoyklang P, et al. Oral monosaccharide therapies to reverse renal and muscle hyposialylation in a mouse model of GNE myopathy. *Mol Genet Metab*. 2012;107(4):748-755. doi:10.1016/j.ymgme.2012.10.011

Simard JM, Tosun C, Ivanova S, et al. Heparin reduces neuroinflammation and transsynaptic neuronal apoptosis in a model of subarachnoid hemorrhage. *Transl Stroke Res*. 2012;3(Suppl 1):155-165. doi:10.1007/s12975-012-0166-9

Kurland D, Hong C, Aarabi B, Gerzanich V, Simard JM. Hemorrhagic progression of a contusion after traumatic brain injury: a review. *J Neurotrauma*. 2012;29(1):19-31. doi:10.1089/neu.2011.2122

Koltz MT, Tosun C, Kurland DB, et al. Tandem insults of prenatal ischemia plus postnatal raised intrathoracic pressure in a novel rat model of encephalopathy of prematurity: Laboratory investigation. *J Neurosurg Pediatr*. 2011;8(6):628-639. doi:10.3171/2011.9.peds11174

Lamm BM, Paley D, Kurland DB, Matz AL, Herzenberg JE. Multiplier method for predicting adult foot length. *J Pediatr Orthop*. 2006;26(4):444-448. doi:10.1097/01.bpo.0000226274.63083.38

Paley D, Matz AL, Kurland DB, Lamm BM, Herzenberg JE. Multiplier method for prediction of adult height in patients with achondroplasia. *J Pediatr Orthop*. 2005;25(4):539-542. doi:10.1097/01.bpo.0000161095.15845.7d

Book chapters, Books

Stokum JA, Kurland DB, Smith P, Simard JM. IMAGE-GUIDED ROBOTIC NEUROSURGERY. *The Encyclopedia of Medical Robotics*. WORLD SCIENTIFIC; 2018. p. 329–54.

Oral Presentations

SPINE SUMMIT - cell saver

AANS - cell saver

Sangwon KL, Alyakin A, Kurland D, Leuthardt EC, Kondziolka D, Oermann EK. 189 A generalizable pipeline for building an extensive domain-specific dataset from a medical journal - neurosurgery edition. *Neurosurgery*. 2025;71(Supplement_1):46.
doi:10.1227/neu.0000000000003360_189

Groff KJ, Bhavsar A, Baumhauer M, et al. 1302 exploring trends in authorship by women in fifteen major neurosurgical journals. *Neurosurgery*. 2025;71(Supplement_1):215.
doi:10.1227/neu.0000000000003360_1302

Kurland D, Liu A, Khan HA, et al. 1258 most roads lead to Cushing: A network analysis of neurosurgical training lineages. *Neurosurgery*. 2025;71(Supplement_1):203.
doi:10.1227/neu.0000000000003360_1258

David B. Kurland, Anthony Frempong-Boadu, Darryl Lau. What's the Harm? Evaluating Complications Associated with Salvaged Red Blood Cell Transfusion in Spinal Deformity Surgery: A Non-randomized Controlled Trial. In: *AANS Annual Meeting 2025*. ; April 25-28 2025.

David B. Kurland, Anthony Frempong-Boadu, Darryl Lau. What's the Harm? Evaluating Complications Associated with Salvaged Red Blood Cell Transfusion in Spinal Deformity Surgery: A Non-randomized Controlled Trial. In: *10th Annual International Spinal Deformity Symposium*. ; December 6-7 2024.

David B. Kurland, Anthony Frempong-Boadu, Darryl Lau. What's the Harm? Evaluating Complications Associated with Salvaged Red Blood Cell Transfusion in Spinal Deformity Surgery: A Non-randomized Controlled Trial. In: *14th Annual NYU Quality and Safety Day*. ; November 18- 2024.

Mir J, Kurland DB, Alan N, et al. Durability of Substantial Clinical Benefit in Adult Spinal Deformity Corrective Surgery Patients: A Minimum 5-Year Outcomes Analysis. In: *The 40th Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves (2023 Spine Summit)*. ; February 21-24 2024.

Eremiev A, London D, Kurland DB, et al. Digital Preoperative Huddle Platform Use Leads to Decreased Surgical Cost. In: *The 40th Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves (2023 Spine Summit)*. ; February 21-24 2024.

Janjua B, Mir J, Buser Z, et al. Etiological Factors of Proximal Junctional Kyphosis and Failure in Adult Spinal Deformity. In: *The 40th Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves (2023 Spine Summit)*. ; February 21-24 2024.

Khan H, Kurland DB, Dastargirzada Y, et al. Reduction in Flexion-Extension Motion After Occipitocervical and C1-2 Posterior Spinal Instrumentation and Fusion in Children. In: *The 40th Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves (2023 Spine Summit)*. ; February 21-24 2024.

Karl Sangwon, Anton Alyakin, David Kurland, Eric Leuthardt, Douglas Kondziolka, Eric Oermann. A Generalizable Pipeline For Building An Extensive Domain-Specific Dataset From A Medical Journal - Neurosurgery Edition. In: *2024 CNS Annual Meeting*. ; October - 2024.

Karenn Groff, Aastha Bhavsar, Molly Baumhauer, Sharona Ben-Haim, Lola Chambless, Eric Oermann, David Kurland. Exploring Trends in Authorship by Women in Fifteen Major Neurosurgical Journals. In: *2024 CNS Annual Meeting*. ; October -2024.

Kurland DB, Alber D, Kondziolka D, Oermann EK. Bibliometrics-Guided AI-Powered Knowledge Distillation for Common Spinal Pathologies. In: *The 40th Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves (2023 Spine Summit)*. ; February 21-24 2024.

Anton Alyakin, David Kurland, Daniel Alber, Karl Sangwon, Danxun Li, Aristotelis Tsirigos, Eric Leuthardt, Douglas Kondziolka, Eric Oermann. CNS-CLIP: Transforming a Neurosurgical Journal into a Multimodal Medical Model. In: *2024 CNS Annual Meeting*. ; October -2024.

David Kurland, Albert Liu, Hammad Khan, Avi Gajjar, Cargill Alleyne, John Golfinos, Douglas Kondziolka, Eric Oermann. Most Roads Lead to Cushing: A Network Analysis of Neurosurgical Training Lineages. In: *2024 CNS Annual Meeting*. ; October -2024.

Huell, D, Eremiev, A, Sangwon, K, Carter, C, Grin, E, Orillac, C, Kurland, D, Harter, D. Racial disparities in New York City neurosurgery: Trends and a path forward. In: *10th Annual NYU Langone Health Equity Symposium*. ; October 8- 2024.

Kurland DB, Lendhey M, Delavari N, et al. 437 Percutaneous Juxtapedicular Cement Salvage of Failed Pedicle Screws: A Cadaveric Biomechanical Study. *Neurosurgery*. 2023;69:87-87. doi:10.1227/neu.0000000000002375_437

Kurland DB, Ber R, Eremiev A, Ahmed S, Senan S, Pacione D. Better teamwork made simple? Digital Preoperative Huddle Improves Quality and Efficiency in Neurosurgery Cases. In: *2023 American Association of Neurological Surgeons (AANS) Annual Scientific Meeting*. ; April 21-24 2023.

Jamshaid Mir, Pooja Dave, Peter S. Tretiakov, Ankita Das, David Kurland, Djani Robertson, Burhan Janjua, Patrick Jankowski, Peter Passias. Are we getting better at treating adult cervical deformity? Complication Rate Trends Analysis in Adult Cervical Deformity Over 10 Years. In: *2023 Congress of Neurological Surgeons (CNS) Annual Meeting*. ; September 9-13,2023.

Kurland DB, Lendhey M, Delavari N, et al. Percutaneous Juxtapedicular Cement Salvage of Failed Pedicle Screws: A Cadaveric Biomechanical Study. In: *NEUROSURGERY*. Vol 69.

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PHILADELPHIA ...; 2023:110-111.

Ber R, Kurland D, Ahmed S, Senan S, Eremyev A, Pacione D. The Teamwork Effect: Preoperative Digital Huddles Through a Mobile App Improve Quality Outcomes in Neurosurgical Cases. In: *NY State Neurosurgical Society Annual Meeting*. ; May 19- 2023.

Lavender Jiang, Chris Liu, Nima Pour Nejatian, Mustafa Nasir-Moin, Duo Wang, Anas Abidin, Kevin Eaton, Howard Riina, Ilya Laufer, Paawan Punjabi, Madeline Miceli, Nora Kim, Cordelia Orillac, Zane Schnurman, Christopher Livia, Hannah Weiss, David Kurland, Sean Neifert, Yosef Dastagirzada, Douglas Kondziolka, Alexander Cheung, Grace Yang, Ming Cao, Mona Flores, Anthony Costa, Yindalon Aphinyanaphongs, Kyunghyun Cho, Eric Oermann. Prediction of 30-day All-cause Readmission of Neurosurgery Patients Using Large Language Models. In: *2023 Congress of Neurological Surgeons (CNS) Annual Meeting*. ; September 9-13,2023.

Khan HA, Ber R, Neifert S, et al. Carbon-Fiber Reinforced PEEK Spinal Implants for Primary and Metastatic Spine Tumors: Systematic Review on Implant Complications and Radiotherapy Benefits. In: *The 39th Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves (2023 Spine Summit)*. ; March 16-19 2023.

David B Kurland, Andrew Smith, Daniel Alber, Anthony Frempong-Boadu, Darryl Lau. Defining the Quality of Intraoperatively Salvaged Blood in Spinal Deformity Surgery and its Suitability for Autologous Transfusion: Preliminary Results of a Prospective Study. In: *Global Spine Congress 2023*. ; May 31 - June 3 2023.

Neifert S, Kurland DB, Ashayeri K, et al. Navigation Assisted Prone Transpoas Lateral Lumbar Interbody Fusion: Applications to Adult Spinal Deformity. In: *The 39th Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves (2023 Spine Summit)*. ; March 16-19 2023.

Kurland DB, Alber D, Lau D. What Are We Transfusing? A Prospective Trial Evaluating the Quality of Intraoperatively Salvaged Red Blood Cells in Spinal Deformity Surgery. In: *The 39th Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves (2023 Spine Summit)*. ; March 16-19 2023.

Daniel Alber, Alexander Cheung, David Kurland, Karl Sangwon, Lavender Jiang, Chris Liu, Eric Oermann. Spine-Tuned Natural Language Models and Bespoke Regular Expression Classifiers for Automated Spinal Surgery Registry Development. In: *2023 Congress of Neurological Surgeons (CNS) Annual Meeting*. ; September 9-13,2023.

Daniel Alber, David Kurland, Daniel Orringer, Darryl Lau. Evaluating the Quality of Salvaged Blood Products Using Stimulated Raman Spectroscopy and Deep Learning. In: *Machine Learning for Healthcare 2023*. ; August 11-12 2023.

Kurland DB, Alber D, Lau D. What Are We Transfusing? A Prospective Trial Evaluating the Quality of Intraoperatively Salvaged Red Blood Cells in Spinal Deformity Surgery. In: *NY State Neurosurgical Society Annual Meeting*. ; May 19- 2023.

Kondziolka D, Kurland DB, Cheung A, Oermann E. A Century of Evolution in Spine Research & Practice, a Bibliometric Analysis of the Field from 1900-2022. In: *The 39th Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves (2023 Spine Summit)*. ; March 16-19 2023.

David Kurland, Alexander Eremiev, Alexander Cheung, Yosef Dastagirzada, David Harter, Juan Rodriguez-Olaverri, Douglas Brockmeyer, Joshua Pahys, Daniel Hedequist, Matthew Oetgen, Richard CE Anderson, Pediatric Spine Study Group (PSSG). Risk factors for fusion failure in children undergoing occipital to C2 rigid instrumentation and fusion. In: *2023 Congress of Neurological Surgeons (CNS) Annual Meeting*. ; September 9-13,2023.

Jamshaid Mir, Peter Tretiakov, Pooja Dave, David Kurland, Djani Robertson, Burhan Janjua, Patrick Jankowski, Peter Passias. Maintenance of Alignment Following Adult Spinal Deformity Surgery: A Comparative Analysis of the Impact of Utilization of Supplemental Rods Relative to Interbody Placement. In: *2023 Congress of Neurological Surgeons (CNS) Annual Meeting*. ; September 9-13 2023.

David Kurland, Daniel Alber, Darryl Lau. What are we transfusing? A prospective trial evaluation the quality of intraoperatively salvaged red blood cells in spinal deformity surgery. In: *2023 Congress of Neurological Surgeons (CNS) Annual Meeting*. ; September 9-13 2023.

David B Kurland, Daniel Alber, Darryl Lau. What Are We Transfusing? A Prospective Trial Evaluating the Quality of Intraoperatively Salvaged Red Blood Cells in Spinal Deformity Surgery. In: *30th International Meeting on Advanced Spine Techniques (IMAST)*. ; March 22-24 2023.

Yang G, Cao M, Jiang LY, et al. Language Model classifier aligns better with physician word sensitivity than XGBoost on readmission prediction. *arXiv [csCL]*. Published online November 13, 2022. <http://arxiv.org/abs/2211.07047>

Ber R, Valliani AA, Liu A, Kurland DB, Pacione D, Oermann E. 825 can applying machine learning on perioperative team communication data change the way we predict case-time duration? *Neurosurgery*. 2022;68:139-139. doi:10.1227/NEU.0000000000001880_825

Richard Anderson, David B Kurland, Alexander Eremiev, Alexander Cheung, Yosef Dastagirzada. Risk Factors for Fusion Failure in Children Undergoing Occiput to C2 Rigid Instrumentation and Fusion. In: *16th Annual International Congress on Early Onset Scoliosis and the Growing Spine*. ; November 16-18 2022.

Dastagirzada YM, Alexiades NG, Kurland DB, et al. Developing consensus for the management of pediatric cervical spine disorders and stabilization: a modified Delphi study. *J Neurosurg Pediatr*. 2022;31(1):32-42.
<https://thejns.org/pediatrics/view/journals/j-neurosurg-pediatr/31/1/article-p32.xml>

Sean Neifert, Kimberly Ashayeri, Themistocles Protopsaltis, Anthony Frempong-Boadu, David Kurland, Nora Kim, Darryl Lau. Navigation Assisted Prone Transpoas Interbody Fusion for

Adult Spinal Deformity Correction: A Comparative Analysis. In: *Congress of Neurological Surgeons Annual Meeting*. ; October 8-12 2022.

Roe Ber, David B Kurland, Alexander Eremiev, Shah Ahmed, Samya Senan, Donato Pacione. The Impact of Surgical Team Digital Huddle. In: *12th Annual NYU Quality and Safety Day*. ; November 17- 2022.

McLaughlin L, Ashayeri K, Khan HA, Kurland DB, Sales J, Shin W, Lau D, Frempong-Boadu A, Pacione D. Healthcare Disparities in Spinal Metastasis Patients: A Comparison Between Two Neighboring Institutions. In: *Spine Summit 38th Annual Meeting*. ; Feb 23-26 2022.

Kimberly Ashayeri, Lily McLaughlin, Hammad Khan, MD, David Kurland, William Shin, Julia Sales, Darryl Lau, Anthony Frempong-Boadu, Ilya Laufer, Donato Pacione. Influence of Healthcare Disparities on Outcomes for Spinal Metastasis Patients. In: *AANS Annual Scientific Meeting*. ; April 29–May 2 2022.

Darryl Lau, David Kurland, Sean Neifert, Steven Hwang, Josh Pahys, Amer Samdani. Learning Curve Associated with Thoracoscopic Anterior Vertebral Body Tether for Idiopathic Scoliosis: Analysis of Three Independent Surgeons. In: *Congress of Neurological Surgeons Annual Meeting*. ; October 8-12 2022.

Carolina G. Benjamin, Donato Pacione, Julia Bevilacqua, David Kurland, Arianne Lewis, John G. Golfinos, Chandra Sen, Richard Lebowitz, Seth Liberman, Dimitris Placantonakis, Jafar Jafar. Quality improvement in endoscopic endonasal surgery. In: *29th Annual Meeting North American Skull Base Society*. ; 2019.

Karimy J, Zhang J, Kurland DB, et al. 166 TLR-4-regulated cerebrospinal fluid hypersecretion in post-hemorrhagic hydrocephalus. *Neurosurgery*. 2017;64:242-242. doi:10.1093/NEUROS/NYX417.166

Kurland DB, Stokum J, Ivanov A, Gerzanich V, Simard J. 159 Mitigating Microglial-Mediated Neuroinflammation: The Sur1-Trpm4 Channel Regulates Calcium-Sensitive Induction of iNOS. *Neurosurgery*. Published online August 1, 2015. doi:10.1227/01.neu.0000467122.92580.13

David Kurland, Volodymyr Gerzanich, J. Marc Simard. The microglial Sur1-Trpm4 channel regulates expression of iNOS. In: *University of Maryland Graduate Research Conference*. ; March 9- 2015.

David Kurland, Volodymyr Gerzanich, J. Marc Simard. Heme Induces Microglial CXCL2 Release: A Mechanism of Neutrophil-mediated Injury after Intracerebral Hemorrhage. In: *Congress of Neurological Surgeons Annual Meeting*. ; October 19-23 2013.

Kurland D, Hong C, Aarabi B, Gerzanich V, Simard JM. Hemorrhagic Progression of a Contusion following Traumatic Brain Injury – Shifting Paradigms and Therapeutic Implications. In: *University of Maryland School of Medicine 34th Annual Medical Student Research Day*. ; October 26- 2011.

Kurland D, Koltz M, Tosun C, Gerzanich V, Simard JM. Sulfonyleurea Receptor-1: A novel therapeutic target in perinatal hypoxia and germinal matrix hemorrhage. In: *University of Maryland School of Medicine 33rd Annual Medical Student Research Day*. ; Sep 21- 2010.

Poling JS, Manoli I, Klootwijk R, et al. Hyposialylation in Various Glomerulopathies and Possible Rescue by N-Acetylmannosamine. In: *GLYCOBIOLOGY*. Vol 18. OXFORD UNIV PRESS INC; 2008:964-964.

David B. Kurland, Anthony Frempong-Boadu, Darryl Lau. What's the Harm? Evaluating Complications Associated with Salvaged Red Blood Cell Transfusion in Spinal Deformity Surgery: A Non-randomized Controlled Trial. In: *Spine Summit 2025*. ; February 20-23 2005.

Poster Presentations

David Kurland, Amber Witt, Jason DePhillips, Jonathan Mahoney, Brandon Bucklen, Nora Kim, Albert Liu, Anthony Frempong-Boadu, Albert Telfeian. Defining the Limits of Neuroforaminal Enlargement via Endoscopic Approach. In: *2024 CNS Annual Meeting*. ; 2024.

Hammad Khan, Austin Feng, Peter Giannaris, Sean Neifert, Ilene Tisnovsky, Natalie Daigle, Michael Covell, David Kurland, Carey Dolgin, Darryl Lau. Incidence and Management of Vascular Injury and Thromboembolism in Patients Undergoing Anterior Lumbar Interbody Fusion. In: *2024 CNS Annual Meeting*. ; October - 2024.

Karl Sangwon, David Kurland, Anton Alyakin, Douglas Kondziolka, Eric Oermann. Seven Decades Of Change: Tracing The Evolution Of Neurosurgery Through Lexical Analysis Of Neurosurgery Publications Of The CNS (1955-2024). In: *2024 CNS Annual Meeting*. ; October - 2024.

David Kurland, Akshay Save, Aneek Patel, Karenna Groff, Carl Snyderman, Donato Pacione, John Golfinos, Chandra Sen. The Evolution of Skull Base Surgery: A Bibliometric Analysis Spanning Nearly 125 Years. In: *2024 CNS Annual Meeting*. ; October - 2024.

Peter Giannaris, Austin Feng, Hammad Khan, Sean Neifert, Natalie Daigle, Ilene Tisnovsky, Michael Covell, David Kurland, Darryl Lau. Association Between Obesity and Perioperative Complications Following Anterior Lumbar Interbody Fusion. In: *2024 CNS Annual Meeting*. ; October - 2024.

David B. Kurland, Anthony Frempong-Boadu, Darryl Lau. What's the Harm? Evaluating Complications Associated with Salvaged Red Blood Cell Transfusion in Spinal Deformity Surgery: A Non-randomized Controlled Trial. In: *14th Annual NYU Quality and Safety Day*. ; November 18- 2024.

Kurland DB, Lendhey M, Delavari N, et al. 437 Percutaneous Juxtapedicular Cement Salvage of Failed Pedicle Screws: A Cadaveric Biomechanical Study. *Neurosurgery*. 2023;69:87-87. doi:10.1227/neu.0000000000002375_437

Kurland DB, Lendhey M, Delavari N, et al. 437 Percutaneous Juxtapedicular Cement Salvage of Failed Pedicle Screws: A Cadaveric Biomechanical Study. *Neurosurgery*. 2023;69:87-87. doi:10.1227/neu.0000000000002375_437

Michelle Murata, David Kurland, Alexander Cheung, Daniel Wiggan, Darryl Lau, Themistocles Protopsaltis, Anthony Frempong-Boadu. Operative Efficiency in CT Versus Robotic Navigated Spine Surgery, an Institutional Experience. In: *2023 Congress of Neurological Surgeons (CNS) Annual Meeting*. ; September 9-13 2023.

Jamshaid Mir, Peter Tretiakov, Pooja Dave, David Kurland, Djani Robertson, Burhan Janjua, Patrick Jankowski, Peter Passias. Maintenance of Alignment Following Adult Spinal Deformity Surgery: A Comparative Analysis of the Impact of Utilization of Supplemental Rods Relative to Interbody Placement. In: *2023 Congress of Neurological Surgeons (CNS) Annual Meeting*. ; September 9-13 2023.

Samya Senan, Roe Ber, David B Kurland, Alexander Eremiev, Donato Pacione. Streamlining Perioperative Workflows through a Multi-disciplinary Communication Mobile App in Neurosurgical Cases: A Quality Improvement Study. In: *Association of periOperative Registered Nurses (AORN) Global Surgical Conference and Expo*. ; April 1-5 2023.

Darryl Lau, David Kurland, Sean Neifert, Steven Hwang, Josh Pahys, Amer Samdani. Learning Curve Associated with Thoracoscopic Anterior Vertebral Body Tether for Idiopathic Scoliosis: Analysis of Three Independent Surgeons. In: *2023 American Association of Neurological Surgeons (AANS) Annual Scientific Meeting*. ; April 21-24 2023.

David B Kurland, Christina Bi, Roe Ber, Douglas Kondziolka, Darryl Lau, Donato Pacione, Anthony Frempong-Boadu, Ilya Laufer, Eric Oermann. Smartphones, Wearables, and Digital Biomarkers: The Evolution of Spine Care Outcomes Research. In: *2023 American Association of Neurological Surgeons (AANS) Annual Scientific Meeting*. ; April 21-24 2023.

Jamshaid Mir, Peter Tretiakov, Pooja Dave, Ankita Das, David Kurland, Burhan Janjua, Patrick Jankowski, Peter Passias. Impact of Enhanced Recovery After Surgery in Minimally Invasive Spine Surgery. In: *2023 Congress of Neurological Surgeons (CNS) Annual Meeting*. ; September 9-13 2023.

David B Kurland, Alexander Eremiev, Alexander Cheung, Yosef Dastagirzada, Richard Anderson. An International Multicenter Study to Assess Factors with Successful Fusion in Children Undergoing Occiput to C2 Rigid Instrumentation and Fusion. In: *2023 American Association of Neurological Surgeons (AANS) Annual Scientific Meeting*. ; April 21-24 2023.

David Kurland, Alexander Cheung, Douglas Kondziolka, Eric Oermann. A Century of Evolution in Spine Surgery Publications: a Bibliometric Analysis of the Field from 1900-2023. In: *2023 Congress of Neurological Surgeons (CNS) Annual Meeting*. ; September 9-13 2023.

Huell D, Eremiev A, Moon D, et al. Neurosurgery Case Volume, Demographics, and Disparities in Manhattan Medical Centers. In: *Dr. Wilbert C. Jordan Research Forum, Annual Medical Education Conference*. ; April 5-9 2023.

Jamshaid Mir, Peter S. Tretiakov, Pooja Dave, Ankita Das, David Kurland, Burhan Janjua, Patrick Jankowski, Peter Passias. Etiological Factors of Proximal Junctional Kyphosis and Failure in Adult Spinal Deformity. In: *2023 Congress of Neurological Surgeons (CNS) Annual Meeting*. ; September 9-13 2023.

Kurland DB, Alber D, Lau D. What Are We Transfusing? A Prospective Trial Evaluating the Quality of Intraoperatively Salvaged Red Blood Cells in Spinal Deformity Surgery. In: *2023 American Association of Neurological Surgeons (AANS) Annual Scientific Meeting*. ; April 21-24 2023.

David B Kurland, Christina Bi, Roe Ber, Douglas Kondziolka, Darryl Lau, Donato Pacione, Anthony Frempong-Boadu, Ilya Laufer, Eric Oermann. Smartphones, wearables, and digital biomarkers: The evolution of spine care outcomes research. In: *Global Spine Congress 2023*. ; 2023.

Jamshaid Mir, Peter Tretiakov, Pooja Dave, Ankita Das, David Kurland, Burhan Janjua, Patrick Jankowski, Peter Passias. Incorporation of Frailty Based Realignment Target Goals for Cervical Deformity Surgery in Adults Can Mitigate Mechanical Complications and Improve Perioperative Course. In: *2023 Congress of Neurological Surgeons (CNS) Annual Meeting*. ; September 9-13 2023.

David Kurland, Alexander Cheung, Nora Kim, Kimberly Ashayeri, Eveline Teresa Hidalgo, Anthony Frempong-Boadu, Douglas Kondziolka, Eric Oermann. Author Diversity in Spine Surgery Publications 1900-2023. In: *2023 Congress of Neurological Surgeons (CNS) Annual Meeting*. ; September 9-13 2023.

Kurland DB, Orillac C, Livia C, et al. Early In-human Experience with Augmented Reality-guided Ventriculostomies. In: *2023 American Association of Neurological Surgeons (AANS) Annual Scientific Meeting*. ; April 21-24 2023.

Roe Ber, David Kurland, Samya Senan, Shah Ahmed, Alexander Eremiev, Donato Pacione. Breaking Surgical Team Silos: The Impact of Digital Collaboration on Perioperative Quality, Efficiency and Safety. In: *Congress of Neurological Surgeons Annual Meeting*. ; October 8-12 2022.

David B Kurland, Alexander Eremiev, Alexander Cheung, Yosef Dastagirzada, Richard Anderson. Risk Factors for Fusion Failure in Children Undergoing Occiput to C2 Rigid Instrumentation and Fusion. In: *51st Annual Meeting of the Joint Section on Pediatric Neurological Surgery*. ; December 1-4 2022.

R. Ber, A. Valliani, A. Liu, D. Kurland, D. Pacione, E. Oermann. Words Matter: Grading The Quality Culture Of Surgeons Using AI On A Perioperative Communication Platform. In: *Global Spine Congress*. ; June 1-4 2022.

Kimberly Ashayeri, Hammad Khan, Lily McLaughlin, David Kurland, Julia Sales, William Shin, Anthony Frempong-Boadu, Ilya Laufer, Donato Pacione. Healthcare Disparities in Spinal

Metastasis Patients: A Comparison Between Two Neighboring Institutions. In: *12th Annual NYU Quality and Safety Day*. ; November 17- 2022.

Lily McLaughlin, Kimberly Ashayeri, Hammad Khan, David Kurland, Julia Sales, William Shin, Anthony Frempong-Boadu, Ilya Laufer, Donato Pacione. Healthcare Disparities in Spinal Metastasis Patients: A Comparison Between Two Neighboring Institutions. In: *Congress of Neurological Surgeons Annual Meeting*. ; October 8-12 2022.

David B Kurland, Ariana Khaladj-Ghom, Jesse Stokum, Brianna Carusilo, Volodymyr Gerzanich, J. Marc Simard. Comprehensive Analysis of the Complications Relating to Decompressive Craniectomy across Current Neurosurgical Indications. In: *Congress of Neurological Surgeons Annual Meeting*. ; October 18-22 2014.

D.B. Kurland, N. Caffes, J.K. Karimy, V. Gerzanich, J.M. Simard. Primary adult rat microglia express Sur1-regulated channels. In: *Society for Neuroscience, Baltimore Chapter Annual Meeting*. ; December 2- 2014.

D.B. Kurland, N. Caffes, J.K. Karimy, V. Gerzanich, J.M. Simard. Primary adult rat microglia express Sur1-regulated channels. In: *Society for Neuroscience Annual Meeting*. ; November 15-19 2014.

Hong CM, Tosun C, Kurland D, Gerzanich V and Simard JM. Glibenclamide and Heparin as Novel Anti-inflammatory Therapies for Subarachnoid Hemorrhage. In: *Association of University Anesthesiologists (AUA) 61th Annual Meeting*. ; April 26- 2014.

David Kurland, Volodymyr Gerzanich, J. Marc Simard. Heme Induces Microglial CXCL2 Release: A Mechanism of Neutrophil-mediated Injury after Intracerebral Hemorrhage. In: *Society for Neuroscience, Baltimore Chapter Annual Meeting*. ; November 20- 2013.

Kurland D, Koltz M, Tosun C, Gerzanich V, Simard JM. Sulfonylurea Receptor-1: A novel therapeutic target in germinal matrix hemorrhage. In: *52nd Annual National Student Research Forum*. ; April 21-22 2011.

Kurland D, Koltz M, Tosun C, Gerzanich V, Simard JM. Sulfonylurea Receptor-1: A novel therapeutic target in perinatal hypoxia and germinal matrix hemorrhage. In: *34th Annual Medical Student Research Day, University of Maryland School of Medicine*. ; October 26- 2011.

Kurland D, Poling J, Ciccone-Stevens C, Patzel K, Yardeni T, Ziats M, Zerfas P, Starost M, Gahl WA, Huizing M. Hyposialylation of muscle glycoproteins in a mouse model of HIBM. In: *National Institutes of Health (NIH) Glycosciences Day*. ; May 28- 2009.

M. Ziats, D. Kurland, D. Hickey, R. Klootwijk, I. Manoli, K. Patzel, C. Ciccone, P. Zerfas, M. Starost, D. Darvish, WA. Gahl, M. Huizing. Kidney and muscle phenotypes due to hyposialylation in a mouse model of Hereditary Inclusion Body Myopathy. In: *58th Meeting of the American Society of Human Genetics*. ; November 11-15 2008.

Thesis

1 Kurland DB. *The Role of the Microglial Sur1-Trpm4 Channel in the Calcium- and NFAT-dependent Expression of NOS2*. University of Maryland; 2016; 2016.

Book Reviews

1 Kurland DB. Book Review: The Neurosurgical Consult Book. *Neurosurgery* 2023. <https://doi.org/10.1227/neu.0000000000002504>.