



Laura Prolo

Associate Professor of Neurosurgery and, by courtesy, of Neurology (Pediatric Neurology)

CLINICAL OFFICE (PRIMARY)

- **Pediatric Neurosurgery**

730 Welch Rd

Palo Alto, CA 94304

Tel (650) 723-0991 Fax (650) 725-5086

Bio

CLINICAL FOCUS

- Brain and spinal cord tumors
- Craniosynostosis
- Chiari malformation
- Moya-moya disease
- Spasticity
- Spinal dysraphism
- Myelomeningocele
- Neuro-endoscopy
- Epilepsy
- Tethered Spinal Cord Syndrome
- Neurosurgery

ACADEMIC APPOINTMENTS

- Associate Professor - University Medical Line, Neurosurgery
- Associate Professor - University Medical Line (By courtesy), Pediatric Neurology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute
- Member, Wu Tsai Neurosciences Institute

PROFESSIONAL EDUCATION

- Medical Education: Stanford University School of Medicine (2012) CA
- Board Certification: Pediatric Neurosurgery, American Board of Pediatric Neurological Surgery (2023)

- Board Certification, American Board of Neurological Surgery , Neurological Surgery (2023)
- Fellowship: Seattle Children's Hospital Neurosurgery Fellowship (2020) WA
- Residency: Stanford University Dept of Neurosurgery (2019) CA
- PhD, Stanford University School of Medicine , Neuroscience (2012)

LINKS

- Prolo Lab: <https://med.stanford.edu/prolo-lab.html>

Research & Scholarship

CLINICAL TRIALS

- GD2 CAR T Cells in Diffuse Intrinsic Pontine Gliomas(DIPG) & Spinal Diffuse Midline Glioma(DMG), Recruiting
- GPC2-CAR T Cell Therapy for Relapsed or Refractory Medulloblastoma in Children and Young Adults, Recruiting
- Panitumumab-IRDye800 to Detect Pediatric Neoplasms During Neurosurgical Procedures, Recruiting

Teaching

COURSES

2025-26

- Fundamentals of Clinical Reasoning in Neurosurgery: NSUR 232 (Win)
- Narratives in Neurosurgery: NSUR 200 (Aut)

2024-25

- Fundamentals of Clinical Reasoning in Neurosurgery: NSUR 232 (Win)
- Narratives in Neurosurgery: NSUR 200 (Aut)

2023-24

- Fundamentals of Clinical Reasoning in Neurosurgery: NSUR 232 (Win)
- Narratives in Neurosurgery: NSUR 200 (Aut)

2022-23

- Narratives in Neurosurgery: NSUR 200 (Aut)

STANFORD ADVISEES

Med Scholar Project Advisor

Cesar Garcia, Samali Namaganda, Ella Nettnin, Karthik Ravi, Maria Suarez-Nieto

Postdoctoral Faculty Sponsor

Linda Liverani

Doctoral Dissertation Advisor (NonAC)

Cesar Garcia

Publications

PUBLICATIONS

- Atlas-based Multi-Parametric Quantitative Brain MRI Analysis of Children with Neurofibromatosis Type 1. *Clinical neuroradiology*

Duh, A. K., Tam, L. T., Liverani, L., Ng, N. N., McKenna, E. S., Rowe, N. C., Campen, C. J., MacEachern, S. J., Yeom, K. W., Prolo, L. M., Forkert, N. D.

2026

- **3D Deep Learning for Brain Tumor Segmentation and Survival Prediction: A Comprehensive Multi-Modal Analysis Using the BraTS2020 Dataset.** *Journal of imaging*
Sanker, V., Mahesh, D., Li, Z., Thaller, A., Heesen, P., Liverani, L., Wang, D., Cavagnaro, M. J., Medikonda, R. T., Prolo, L., Singh, H., Ratliff, J., Desai, et al
2026; 12 (6)
- **Developing a core outcome set for the NeuroPoint Alliance Quality Outcomes Database Pediatric Tumor Surgery Registry: a modified Delphi study.** *Journal of neuro-oncology*
Hersh, D. S., Asher, A. L., Bydon, M., Delawan, M., Pollack, I. F., Hauptman, J. S., Thompson, E. M., Dewan, M. C., A Akbari, S. H., Balsara, K., Barnett, R. R., Bercu, M. M., Braga, et al
2026; 177 (3)
- **Arrested hydrocephalus and beyond: advances in the pathophysiology, diagnosis, and management of various forms of chronic hydrocephalus: a comprehensive narrative review.** *Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery*
Sanker, V., Wahi, R., Jamal, S. M., Elnour, M. A., Venkatesan, A., Liverani, L., Lear, B. P., Cavagnaro, M. J., Desai, A., Prolo, L.
2026; 42 (1)
- **When Central Tolerance Fails: Thymic Malignancies at the Intersection of Cancer Immunity and Autoimmunity.** *Cancers*
Abikenari, M., Choi, J., Enayati, I., Tucker, A., Bhatnagar, K., Chen, Y., Himic, V., Liu, J., Nageeb, G., Poe, J., Ong, S. J., Sanker, V., Diehl, et al
2026; 18 (5)
- **Safety, feasibility, and technique of stereo-electroencephalography in children younger than 3 years.** *Journal of neurosurgery. Pediatrics*
Uchitel, J., Fariyike, O. A., Rockwood, S. J., Steeman, S., Kim, L. H., Choi, J., Berg, A., Ren, A., Teeyagura, P., Grant, G., Buch, V., Mahaney, K. B., Prolo, et al
2026: 1-10
- **Adaptive immunotherapeutic paradigms in diffuse midline glioma: integrating epigenetic reprogramming, neuron-glioma interactions, and tumor microenvironment modulation.** *Journal of neuro-oncology*
Liu, J., Ha, J. H., Abikenari, M., Sjöholm, M. A., Annagiri, S., Ravi, K., Bergsneider, B. H., Verma, R., Theodros, D., Medikonda, R., Li, G., Prolo, L. M., Monje, et al
2025; 176 (2): 144
- **Combined Transcranial-Orbital Approach for Resection of a Pediatric Optic Nerve Glioma With Preservation of the Annulus of Zinn: 2-Dimensional Operative Video.** *Operative neurosurgery (Hagerstown, Md.)*
Alvarez, A. S., Palejwala, A., Chuang, J., Kossler, A. L., Prolo, L. M., Fernandez-Miranda, J. C.
2025
- **Reduced Cas9 transgene silencing by incorporation of intron sequences.** *Nature communications*
Arana, S., Du, P. P., Vaughan-Jackson, A., Enright, N., Spees, K., Valbuena, R., Garcia, C. A., Nguyen, T., Venida, A., Seczynska, M., Bintu, L., Lehner, P. J., Prolo, et al
2025; 16 (1): 10656
- **Clinical Impact of Intratumoral Cyst Decompression in Diffuse Intrinsic Pontine Glioma Patients: A Retrospective Analysis**
Guinle, M., Kim, L., Casazza, M., Ravi, K., Song, K., Mahdi, J., Nguyen, T., Grant, G., Monje, M., Prolo, L.
OXFORD UNIV PRESS INC.2025: v419
- **Macropinocytosis as a novel target for pediatric high grade glioma therapy**
Nguyen, T., Spees, K., Garcia, C., Arana, S., Du, P., Levin-Konigsberg, R., Vaughan-Jackson, A., Nettnin, E., Bassik, M., Prolo, L.
OXFORD UNIV PRESS INC.2025: v179-v180
- **Disrupting BMAL1 enhances Temozolomide efficacy and abolishes circadian timing effects in pediatric high-grade gliomas**
Nettnin, E., Garcia, C., Sayed, F., Guinle, M., Gibson, E., Prolo, L.
OXFORD UNIV PRESS INC.2025: v340
- **Health Literacy and Neurosurgical Outcomes: A Systematic Review and Framework for Action**
Guinle, M., Nettnin, E., Prolo, L.

OXFORD UNIV PRESS INC.2025: v194

- **Role of health literacy in neurosurgical outcomes among pediatric and adult patients: a systematic review of international studies and call to action.** *Journal of neurosurgery. Pediatrics*
Barros Guinle, M. I., Nettnin, E. A., Prolo, L. M.
2025: 1-9
- **Circadian rhythms in pediatric high-grade gliomas may contribute to treatment efficacy.** *Scientific reports*
Nettnin, E. A., Garcia, C. A., Sayed, F. F., Schonfeld, E., Nguyen, T., Guinle, M. I., Petritsch, C. K., Gibson, E. M., Prolo, L. M.
2025; 15 (1): 32010
- **Comprehensive pediatric neurosurgical implant checklist to maintain low implant infection rates: lessons on compliance and institutional culture.** *Journal of neurosurgery. Pediatrics*
Cheetham-West, A. O., Kumar, K. K., Kruger, J. F., Prolo, L. M., Maher, C. O., Phillips, H. W., Hong, D. S., Grant, G. A., Mahaney, K. B.
2025: 1-8
- **BRAF/MEK inhibition induces cell state transitions boosting immune checkpoint sensitivity in BRAFV600E-mutant glioma.** *Cell reports. Medicine*
Xing, Y. L., Panovska, D., Park, J. W., Grossauer, S., Koeck, K., Bui, B., Nasajpour, E., Nirschl, J. J., Feng, Z. P., Cheung, P., Habib, P., Wei, R., Wang, et al
2025: 102183
- **Impact of sociodemographic factors and Medicaid expansion on postoperative outcomes for glioblastoma, 2004-2021**
Jain, B., Patel, P., Ruiz Colon, G. D., Kim, L. H., Choi, J., Dee, E., Azad, T. D., Prolo, L. M., Li, G., Lim, M.
LIPPINCOTT WILLIAMS & WILKINS.2025: 1614
- **Prediction of seizure risk after repetitive mild traumatic brain injury in childhood.** *Journal of neurosurgery. Pediatrics*
Jin, M. C., Ravi, K., Wu, A., Garcia, C. A., Rodrigues, A. J., Savchuk, S., Ruiz Colón, G. D., Kakusa, B. W., Parker, J. J., Grant, G. A., Prolo, L. M.
2025: 1-10
- **H3.3-G34R Mutation-Mediated Epigenetic Reprogramming Leads to Enhanced Efficacy of Immune Stimulatory Gene Therapy in Diffuse Hemispheric Gliomas.** *bioRxiv : the preprint server for biology*
Garcia-Fabiani, M. B., Haase, S., Banerjee, K., Zhu, Z., McClellan, B. L., Mujeeb, A. A., Li, Y., Tronrud, C. E., Varela, M. L., West, M. E., Yu, J., Kadiyala, P., Taher, et al
2025
- **Author Correction: Intravenous and intracranial GD2-CAR T cells for H3K27M+ diffuse midline gliomas.** *Nature*
Monje, M., Mahdi, J., Majzner, R., Yeom, K. W., Schultz, L. M., Richards, R. M., Barsan, V., Song, K. W., Kamens, J., Baggott, C., Kunicki, M., Rietberg, S. P., Lim, et al
2024
- **Intravenous and intracranial GD2-CAR T cells for H3K27M+ diffuse midline gliomas.** *Nature*
Monje, M., Mahdi, J., Majzner, R., Yeom, K. W., Schultz, L. M., Richards, R. M., Barsan, V., Song, K. W., Kamens, J., Baggott, C., Kunicki, M., Rietberg, S. P., Lim, et al
2024
- **THE ROLE OF MAP4K4 IN TUMOR CELL INVASION OBSERVED IN A 3D IN VITRO MODEL OF PEDIATRIC GLIOBLASTOMA**
Garcia, C., Nettnin, E., Arana, S., Nguyen, T., Guinle, M., Wilson, C., Petritsch, C. K., Bassik, M. C., Prolo, L. M.
OXFORD UNIV PRESS INC.2024
- **PEDIATRIC GLIOMAS EXPRESS CIRCADIAN GENES AND DEMONSTRATE CIRCADIAN REGULATION OF TEMOZOLOMIDE SENSITIVITY**
Nettnin, E. A., Garcia, C. A., Schonfeld, E., Mehl, L. C., Guinle, M., Petritsch, C. K., Gibson, E. M., Prolo, L. M.
OXFORD UNIV PRESS INC.2024
- **SOMATIC TP53, PIK3R1, NF1 ORTERT MUTATIONS ARE ASSOCIATED WITH INFERIOR CLINICAL OUTCOME IN H3K27M-ALTERED DIFFUSE MIDLINE GLIOMA: AN INTERNATIONAL, MULTI-INSTITUTIONAL STUDY**
Nguyen, T., Lerman, B., Stoller, S., Muller, T., Comfort, L., Leal-Ekman, S., Lyons, S., Holman, L., Junior, C., Banerjee, A., Reddy, A., Gupta, N., Whipple, et al
OXFORD UNIV PRESS INC.2024
- **CONCURRENT IMMUNE CHECKPOINT BLOCKADE ENHANCES THE SURVIVAL BENEFIT OF CLINICALLY RELEVANT MAPK PATHWAY INHIBITORS IN A T CELL-DEPENDENT MANNER**

- Xing, Y., Park, J., Grossauer, S., Panovska, D., Bui, B., Morales, D., Nirschl, J., Feng, Z., Anderson, W., Levy, J., Schreck, K., Prolo, L., Hambardzumyan, et al
OXFORD UNIV PRESS INC.2024
- **An SLC12A9-dependent ion transport mechanism maintains lysosomal osmolarity.** *Developmental cell*
Levin-Konigsberg, R., Mitra, K., Spees, K., Nigam, A., Liu, K., Januel, C., Hivare, P., Arana, S. M., Prolo, L. M., Kundaje, A., Leonetti, M. D., Krishnan, Y., Bassik, et al
2024
 - **Age as a predictor of reoperations and complications in surgically managed pediatric Chiari malformation type I.** *Journal of neurosurgery. Pediatrics*
Johnstone, T., Barros Guinle, M. I., Prolo, L. M., Grant, G. A.
2024: 1-9
 - **An international study presenting a federated learning AI platform for pediatric brain tumors.** *Nature communications*
Lee, E. H., Han, M., Wright, J., Kuwabara, M., Mevorach, J., Fu, G., Choudhury, O., Ratan, U., Zhang, M., Wagner, M. W., Goetti, R., Toescu, S., Perreault, et al
2024; 15 (1): 7615
 - **Cerebroventricular deformation and vector mapping, a topographic visualizer for surgical interventions in pediatric hydrocephalus.** *Journal of neurosurgery. Pediatrics*
Yeom, K. W., Zhang, M., Lee, E. H., Duh, A. K., Beres, S. J., Prolo, L. M., Lober, R. M., Moss, H. E., Moseley, M. E., Forkert, N. D., Wilms, M., Grant, G. A.
2024: 1-9
 - **In Reply to the Letter to the Editor Regarding "Neurosurgical Outcomes Among Non-English Speakers: A Systematic Review and a Framework for Future Research".** *World neurosurgery*
Ruiz Colon, G. D., Prolo, L. M.
2024; 187: 273
 - **SEQUENTIAL INTRAVENOUS AND INTRACEREBROVENTRICULAR GD2-CAR T-CELL THERAPY FOR H3K27M-MUTATED DIFFUSE MIDLINE GLIOMAS**
Monje, M., Mahdi, J., Majzner, R. G., Yeom, K., Schultz, L. M., Richards, R., Barsan, V., Song, K., Kamens, J., Baggott, C., Kunicki, M., Lim, A., Reschke, et al
OXFORD UNIV PRESS INC.2024
 - **TUMOR INFLAMMATION-ASSOCIATED NEUROTOXICITY (TIAN): A TOXICITY SYNDROME IN PATIENTS TREATED WITH IMMUNOTHERAPY FOR CENTRAL NERVOUS SYSTEM TUMORS**
Mahdi, J., Dietrich, J., Straathof, K., Roddie, C., Scott, B. J., Davidson, T., Prolo, L., Batchelor, T. T., Campen, C. J., Davis, K. L., Gust, J., Lim, M., Majzner, et al
OXFORD UNIV PRESS INC.2024
 - **SOMATIC TP53, PIK3R1, NF1 ORTERT MUTATIONS ARE ASSOCIATED WITH INFERIOR CLINICAL OUTCOME IN H3K27M-ALTERED DIFFUSE MIDLINE GLIOMA**
Nguyen, T., Lerman, B., Stoller, S., Muller, T., Comfort, L., Lyons, S., Holman, L., Lucas Junior, C., Banerjee, A., Reddy, A., Gupta, N., Whipple, N., Gerber, et al
OXFORD UNIV PRESS INC.2024
 - **CDC42BPA::BRAF represents a novel fusion in desmoplastic infantile ganglioglioma/desmoplastic infantile astrocytoma.** *Neuro-oncology advances*
Barros Guinle, M. I., Nirschl, J. J., Xing, Y. L., Nettnin, E. A., Arana, S., Feng, Z. P., Nasajpour, E., Pronina, A., Garcia, C. A., Grant, G. A., Vogel, H., Yeom, K. W., Prolo, et al
2024; 6 (1): vdae050
 - **The Sensitivity of Limited-Sequence MRI in Identifying Pediatric Cervical Spine Injury: A Western Pediatric Surgery Research Consortium Multicenter Retrospective Cohort Study.** *The journal of trauma and acute care surgery*
Melhado, C., Durand, R., Russell, K. W., Polukoff, N. E., Rampton, J., Iyer, R. R., Acker, S. N., Koehler, R., Prendergast, C., Stence, N., O'Neill, B., Padilla, B. E., Jamshidi, et al
2024
 - **Language-discordant care in pediatric neurosurgery: parent and provider perspectives on challenges and multilevel solutions to reduce disparities.** *Journal of neurosurgery. Pediatrics*

- Ruiz Colon, G. D., Bereknyei Merrell, S., Poon, D. C., Mahaney, K. B., Maher, C. O., Prolo, L. M.
2024: 1-7
- **Neurosurgical Outcomes Among Non-English Speakers: A Systematic Review and a Framework for Future Research.** *World neurosurgery*
Ruiz Colon, G. D., Barros Guinle, M. I., Wu, A., Grant, G. A., Prolo, L. M.
2024
 - **iSPAN: Explainable prediction of outcomes post thrombectomy with Machine Learning.** *European journal of radiology*
Kelly, B. S., Mathur, P., Vaca, S. D., Duignan, J., Power, S., Lee, E. H., Huang, Y., Prolo, L. M., Yeom, K. W., Lawlor, A., Killeen, R. P., Thornton, J.
2024; 173: 111357
 - **Unraveling the Complexity of the Senescence-Associated Secretory Phenotype in Adamantinomatous Craniopharyngioma Using Multi-Modal Machine Learning Analysis.** *Neuro-oncology*
Prince, E. W., Apps, J. R., Jeang, J., Chee, K., Medlin, S., Jackson, E. M., Dudley, R., Limbrick, D., Naftel, R., Johnston, J., Feldstein, N., Prolo, L. M., Ginn, et al
2024
 - **Review: therapeutic approaches for circadian modulation of the glioma microenvironment.** *Frontiers in oncology*
Nettnin, E. A., Nguyen, T., Arana, S., Barros Guinle, M. I., Garcia, C. A., Gibson, E. M., Prolo, L. M.
2023; 13: 1295030
 - **Review: therapeutic approaches for circadian modulation of the glioma microenvironment** *Frontiers in Oncology*
Nettnin, E. A., Nguyen, T., Arana, S., Barros Guinle, M., Garcia, C. A., Gibson, E. M., Prolo, L. M.
2023: 1295030
 - **Cervical Collar-Associated Pressure Injury in Pediatric Trauma Patients: A Western Pediatric Surgery Research Consortium Study.** *Journal of pediatric surgery*
Melhado, C., Russell, K. W., Acker, S. N., Padilla, B. E., Lofberg, K., Spurrier, R. G., Robinson, B., Chao, S., Ignacio, R. C., Ryan, M., Jensen, A. R.
2023
 - **Treatment Course and Outcomes of Intracranial Teratomas in Pediatric Patients: A Retrospective 15-Year Case Series Study.** *Pediatric neurosurgery*
Wu, A., Jin, M. C., Vogel, H., Hiniker, S., Campen, C., Prolo, L. M., Grant, G. A.
2023; 58 (6): 429-438
 - **Disparities in Postoperative Communication Patterns Among Spanish-Speaking Pediatric Patients with Hydrocephalus.** *The Journal of pediatrics*
Ruiz Colón, G. D., Pizzitola, R. J., Grant, G. A., Prolo, L. M.
2023: 113678
 - **Endoscopic Endonasal Transtuberulum Approach for Pediatric Tuberoinfundibular Craniopharyngioma: 2-Dimensional Operative Video.** *Operative neurosurgery (Hagerstown, Md.)*
Vigo, V., Chang, J. E., Nunez, M. A., Prolo, L. M., Hwang, P. H., Fernandez-Miranda, J. C.
2023
 - **TUMOR INFLAMMATION-ASSOCIATED NEUROTOXICITY (TIAN): A TOXICITY SYNDROME IN PATIENTS TREATED WITH IMMUNOTHERAPY FOR CENTRAL NERVOUS SYSTEM TUMORS**
Mahdi, J., Dietrich, J., Straathof, K., Roddie, C., Scott, B., Davidson, T., Prolo, L., Batchelor, T., Campen, C., Davis, K., Gust, J., Lim, M., Majzner, et al
OXFORD UNIV PRESS INC.2023
 - **BIOPROCESSING OF SURGICAL PEDIATRIC BRAIN TUMOR SPECIMENS FOR GENOME-GUIDED PERSONALIZED DRUG TESTING**
Nasajpour, E., Tran, C., Garcia, C., Lyle, G., Guinle, M., Bagley, B. A., Lancero, H., Gibson, E. E., Schouten, T., Mahaney, K., Vogel, H., Learned, K., Vaske, et al
OXFORD UNIV PRESS INC.2023
 - **CHEK2 mutations in pediatric brain tumors.** *Neuro-oncology advances*
Tlais, D., Barros Guinle, M. I., Wheeler, J. R., Prolo, L. M., Vogel, H., Partap, S.
2023; 5 (1): vdad038
 - **Tumor inflammation-associated neurotoxicity.** *Nature medicine*

- Mahdi, J., Dietrich, J., Straathof, K., Roddie, C., Scott, B. J., Davidson, T. B., Prolo, L. M., Batchelor, T. T., Campen, C. J., Davis, K. L., Gust, J., Lim, M., Majzner, et al
2023
- **Quality and patient safety research in pediatric neurosurgery: a review.** *Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery*
Ruiz Colón, G. D., Wu, A., Ratliff, J. K., Prolo, L. M.
2023
 - **The children's brain tumor network (CBTN) - Accelerating research in pediatric central nervous system tumors through collaboration and open science.** *Neoplasia (New York, N.Y.)*
Lilly, J. V., Rokita, J. L., Mason, J. L., Patton, T., Stefankiewicz, S., Higgins, D., Trooskin, G., Larouci, C. A., Arya, K., Appert, E., Heath, A. P., Zhu, Y., Brown, et al
2022; 35: 100846
 - **Stereotactic radiosurgery for recurrent pediatric brain tumors: clinical outcomes and toxicity.** *Neurosurgical focus*
Wang, E., Gutkin, P. M., Oh, J., Pollom, E., Soltys, S. G., Grant, G. A., Prolo, L. M., Chang, S., Li, G., Fisher, P. G., Partap, S., Campen, C. J., Gibbs, et al
2022; 53 (5): E2
 - **BIOPROCESSING OF SURGICAL PEDIATRIC BRAIN TUMOR SPECIMENS FOR GENOME-GUIDED PERSONALIZED DRUG TESTING**
Nasajpour, E., Lyle, G., Lancero, H., Garcia, C., Learned, K., Gibson, E., Tran, C., Schouten, T., Vogel, H., Mahaney, K., Prolo, L., Vaske, O., Grant, et al
OXFORD UNIV PRESS INC.2022: 232
 - **THERAPY-INDUCED CHANGES BY BRAF AND MEK INHIBITORS IN BRAF V600E-MUTATED GLIOMA MODELS PROVIDE POTENTIAL NOVEL THERAPEUTIC OPPORTUNITIES**
Park, J., Lancero, H., Nasajpour, E., Garcia, C., Prolo, L., Grant, G., Petritsch, C.
OXFORD UNIV PRESS INC.2022: 34
 - **Increased utilization of healthcare services in children with craniosynostosis.** *Journal of neurosurgery. Pediatrics*
Ruiz Colón, G. D., Jin, M. C., Grant, G. A., Prolo, L. M.
2022: 1-8
 - **Endoscopic Endonasal Approach for Suprasellar Mature Teratoma in Growing Teratoma Syndrome: 2-Dimensional Operative Video.** *Operative neurosurgery (Hagerstown, Md.)*
Vigo, V., Prolo, L. M., Nunez, M. A., Nayak, J. V., Fernandez-Miranda, J. C.
2022
 - **An integrated risk model stratifying seizure risk following brain tumor resection among seizure-naïve patients without antiepileptic prophylaxis.** *Neurosurgical focus*
Jin, M. C., Parker, J. J., Prolo, L. M., Wu, A., Halpern, C. H., Li, G., Ratliff, J. K., Han, S. S., Skirboll, S. L., Grant, G. A.
2022; 52 (4): E3
 - **Development of an Integrated Risk Scale for Prediction of Shunt Placement After Neonatal Intraventricular Hemorrhage**
Jin, M. C., Parker, J. J., Rodrigues, A., Colon, G. R., Garcia, C. A., Mahaney, K. B., Grant, G. A., Prolo, L. M.
OXFORD UNIV PRESS INC.2022: 37-38
 - **Development of an integrated risk scale for prediction of shunt placement after neonatal intraventricular hemorrhage.** *Journal of neurosurgery. Pediatrics*
Jin, M. C., Parker, J. J., Rodrigues, A. J., Ruiz Colón, G. D., Garcia, C. A., Mahaney, K. B., Grant, G. A., Prolo, L. M.
2022: 1-10
 - **Robot-assisted stereoelectroencephalography in young children: technical challenges and considerations.** *Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery*
Boop, S., Barkley, A., Emerson, S., Prolo, L. M., Goldstein, H., Ojemann, J. G., Hauptman, J. S.
2021
 - **Incorporating patient-centered quality-of-life measures for outcome assessment after Chiari malformation type I decompression in a pediatric population: a pilot study.** *Journal of neurosurgery. Pediatrics*
Savchuk, S., Jin, M. C., Choi, S., Kim, L. H., Quon, J. L., Bet, A., Prolo, L. M., Hong, D. S., Mahaney, K. B., Grant, G. A.

2021: 1-8

- **Fluidic Considerations of Measuring Intracranial Pressure Using an Open External Ventricular Drain.** *Cureus*
Beidler, P. G., Novokhodko, A., Prolo, L. M., Browd, S., Lutz, B. R.
2021; 13 (5): e15324
- **Fluidic Considerations of Measuring Intracranial Pressure Using an Open External Ventricular Drain** *CUREUS*
Beidler, P. G., Novokhodko, A., Prolo, L. M., Browd, S., Lutz, B. R.
2021; 13 (5)
- **Acetazolamide-Challenged Arterial Spin Labeling Detects Augmented Cerebrovascular Reserve After Surgery for Moyamoya** *Stroke*
Rao, V. L., et al
2021
- **Resection of hip heterotrophic ossification leads to resolution of autonomic nervous system dysfunction in a patient with spinal Charcot arthropathy: a case report.** *Spinal cord series and cases*
Fatemi, P., Prolo, L. M., Giori, N. J., Tharin, S.
2020; 6 (1): 41
- **Evaluating Shunt Survival Following Ventriculoperitoneal Shunting with and without Stereotactic Navigation in Previously Shunt-Naïve Patients.** *World neurosurgery*
Jin, M. C., Wu, A. n., Azad, T. D., Feng, A. n., Prolo, L. M., Veeravagu, A. n., Grant, G. A., Ratliff, J. n., Li, G. n.
2020
- **Recurrence of cavernous malformations after surgery in childhood.** *Journal of neurosurgery. Pediatrics*
Prolo, L. M., Jin, M. C., Loven, T. n., Vogel, H. n., Edwards, M. S., Steinberg, G. K., Grant, G. A.
2020: 1–10
- **Patterns of Care and Age-Specific Impact of Extent of Resection and Adjuvant Radiotherapy in Pediatric Pineoblastoma.** *Neurosurgery*
Jin, M. C., Prolo, L. M., Wu, A. n., Azad, T. D., Shi, S. n., Rodrigues, A. J., Soltys, S. G., Pollom, E. L., Li, G. n., Hiniker, S. M., Grant, G. A.
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