

Stanford



Michael Jin

- MD Student with Scholarly Concentration in Informatics & Data-Driven Medicine, expected graduation Spring 2024
- Masters Student in Medicine, admitted Autumn 2021

Bio

HONORS AND AWARDS

- Berg Scholar, Stanford University School of Medicine (2020-2024)
- Committee Member, AANS Young Neurosurgeon's Committee (2020)
- Abstract Achievement Award, American Society of Hematology (2017, 2018)

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- President, American Association of Neurological Surgeons - Medical Student Chapter (2021 - present)
- Member, American Association of Neurological Surgeons (2019 - present)
- Member, Congress of Neurological Surgeons (2019 - present)
- Co-Chair, Otolaryngology Interest Group (2019 - 2020)
- Member, American Society of Hematology (2017 - present)
- Member, American Society of Clinical Oncology (2016 - present)

MEMBERSHIP ORGANIZATIONS

- Neurosurgery Interest Group, Co-Chair

EDUCATION AND CERTIFICATIONS

- Bachelor of Science, Stanford University , BIO-BSH (2016)
- Bachelor of Science, Stanford University , STATS-MIN (2016)

Publications

PUBLICATIONS

- **Health Care Resource Utilization in Management of Opioid-Naive Patients With Newly Diagnosed Neck Pain.** *JAMA network open*
Jin, M. C., Jensen, M., Zhou, Z., Rodrigues, A., Ren, A., Barros Guinle, M. I., Veeravagu, A., Zygourakis, C. C., Desai, A. M., Ratliff, J. K.
2022; 5 (7): e2222062
- **Modifiers of and Disparities in Palliative and Supportive Care Timing and Utilization among Neurosurgical Patients with Malignant Central Nervous System Tumors.** *Cancers*
Jin, M. C., Hsin, G., Ratliff, J., Thomas, R., Zygourakis, C. C., Li, G., Wu, A.
2022; 14 (10)
- **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

● **Risk of Second Primary Malignancies After External Beam Radiotherapy for Thyroid Cancer.** *Anticancer research*

Jin, M. C., Qian, Z. J., Megwali, U. C.

2022; 42 (3): 1359-1365

● **Prediction of Discharge Status and Readmissions after Resection of Intradural Spinal Tumors.** *Neurospine*

Jin, M. C., Ho, A. L., Feng, A. Y., Medress, Z. A., Pendharkar, A. V., Rezaii, P., Ratliff, J. K., Desai, A. M.

2022; 19 (1): 133-145

● **A Discussion of Machine Learning Approaches for Clinical Prediction Modeling.** *Acta neurochirurgica. Supplement*

Jin, M. C., Rodrigues, A. J., Jensen, M., Veeravagu, A.

2022; 134: 65-73

● **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

● **Hemorrhage risk of direct oral anticoagulants in real-world venous thromboembolism patients.** *Thrombosis research*

Jin, M. C., Sussman, E. S., Feng, A. Y., Han, S. S., Skirboll, S. L., Berube, C., Ratliff, J. K.

2021; 204: 126-133

● **Status epilepticus after intracranial neurosurgery: incidence and risk stratification by perioperative clinical features.** *Journal of neurosurgery*

Jin, M. C., Parker, J. J., Zhang, M. n., Medress, Z. A., Halpern, C. H., Li, G. n., Ratliff, J. K., Grant, G. A., Fisher, R. S., Skirboll, S. n.

2021: 1-13

● **Defining and Describing Treatment Heterogeneity in New-Onset Idiopathic Lower Back and Extremity Pain Through Reconstruction of Longitudinal Care Sequences.** *The spine journal : official journal of the North American Spine Society*

Jin, M. C., Azad, T. D., Fatemi, P., Ho, A. L., Vail, D., Zhang, Y., Feng, A. Y., Kim, L. H., Bentley, J. P., Stienen, M. N., Li, G., Desai, A. M., Veeravagu, et al 2021

● **Trends in Use and Timing of Intratympanic Corticosteroid Injections for Sudden Sensorineural Hearing Loss.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*

Jin, M. C., Qian, Z. J., Cooperman, S. P., Alyono, J. C.

2020: 194599820976177

● **Predictive Modeling of Long-Term Opioid and Benzodiazepine Use after Intradural Tumor Resection.** *The spine journal : official journal of the North American Spine Society*

Jin, M. C., Ho, A. L., Feng, A. Y., Zhang, Y., Staartjes, V. E., Stienen, M. N., Han, S. S., Veeravagu, A., Ratliff, J. K., Desai, A. M.

2020

● **External Beam Radiotherapy for Medullary Thyroid Cancer Following Total or Near-Total Thyroidectomy.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*

Jin, M., Megwali, U. C., Noel, J. E.

2020: 194599820947696

● **Integrating genomic features for non-invasive early lung cancer detection** *NATURE*

Chabon, J. J., Hamilton, E. G., Kurtz, D. M., Esfahani, M. S., Moding, E. J., Stehr, H., Schroers-Martin, J., Nabet, B. Y., Chen, B., Chaudhuri, A. A., Liu, C., Hui, A. B., Jin, et al 2020

● **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

● **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., Solty, S. G., Pollock, E. L., Li, G. n., Hiniker, S. M., Grant, G. A.

2020

● **Adverse Events and Bundled Costs after Cranial Neurosurgical Procedures: Validation of the LACE Index Across 40,431 Admissions and Development of the LACE-Cranial Index.** *World neurosurgery*

- Jin, M. C., Wu, A. n., Medress, Z. A., Parker, J. J., Desai, A. n., Veeravagu, A. n., Grant, G. A., Li, G. n., Ratliff, J. K.
2020
- **Impact of Proton Radiotherapy on Treatment Timing in Pediatric and Adult Patients with Central Nervous System Tumors** *Neuro-Oncology Practice*
Jin, M. C., Shi, S., Wu, A., Sandhu, N., Xiang, M., Soltys, S. G., Hiniker, S., Li, G., Pollock, E. L.
2020
 - **Long-term follow-up of neurosurgical outcomes for adult patients in Uganda with traumatic brain injury.** *Journal of neurosurgery*
Jin, M. C., Kakusa, B. n., Ku, S. n., Vaca, S. D., Xu, L. W., Nalwanga, J. n., Kiryabwire, J. n., Ssenyonjo, H. n., Mukasa, J. n., Muhamuza, M. n., Fuller, A. T., Haglund, M. M., Grant, et al
2020: 1–11
 - **Evaluating Surgical Resection Extent and Adjuvant Therapy in the Management of Gliosarcoma.** *Frontiers in oncology*
Jin, M. C., Liu, E. K., Shi, S. n., Gibbs, I. C., Thomas, R. n., Recht, L. n., Soltys, S. G., Pollock, E. L., Chang, S. D., Hayden Gephart, M. n., Nagpal, S. n., Li, G. n.
2020; 10: 337
 - **Noninvasive Early Identification of Therapeutic Benefit from Immune Checkpoint Inhibition.** *Cell*
Nabet, B. Y., Esfahani, M. S., Moding, E. J., Hamilton, E. G., Chabon, J. J., Rizvi, H. n., Steen, C. B., Chaudhuri, A. A., Liu, C. L., Hui, A. B., Almanza, D. n., Stehr, H. n., Gojenola, et al
2020
 - **Proton radiotherapy and treatment delay in head and neck squamous cell carcinoma.** *The Laryngoscope*
Jin, M. C., Harris, J. P., Sabolch, A. N., Gensheimer, M., Le, Q., Beadle, B. M., Pollock, E. L.
2019
 - **Prognostic Factors and Treatment Patterns in the Management of Giant Cell Glioblastoma** *WORLD NEUROSURGERY*
Jin, M. C., Wu, A., Xiang, M., Azad, T. D., Soltys, S. G., Li, G., Pollock, E. L.
2019; 128: E217–E224
 - **Dynamic Risk Profiling Using Serial Tumor Biomarkers for Personalized Outcome Prediction.** *Cell*
Kurtz, D. M., Esfahani, M. S., Scherer, F., Soo, J., Jin, M. C., Liu, C. L., Newman, A. M., Duhrsen, U., Huttmann, A., Casasnovas, O., Westin, J. R., Ritgen, M., Bottcher, et al
2019
 - **Stem cell therapies for acute spinal cord injury in humans: a review** *NEUROSURGICAL FOCUS*
Jin, M. C., Medress, Z. A., Azad, T. D., Doulames, V. M., Veeravagu, A.
2019; 46 (3): E10
 - **Circulating Tumor DNA Measurements As Early Outcome Predictors in Diffuse Large B-Cell Lymphoma** *JOURNAL OF CLINICAL ONCOLOGY*
Kurtz, D. M., Scherer, F., Jin, M. C., Soo, J., Craig, A. M., Esfahani, M., Chabon, J. J., Stehr, H., Liu, C., Tibshirani, R., Maeda, L. S., Gupta, N. K., Khodadoust, et al
2018; 36 (28): 2845–+
 - **Distinct Hodgkin lymphoma subtypes defined by noninvasive genomic profiling.** *Nature*
Alig, S. K., Esfahani, M. S., Garofalo, A., Li, M. Y., Rossi, C., Flerlage, T., Flerlage, J. E., Adams, R., Binkley, M. S., Shukla, N., Jin, M. C., Olsen, M., Telenius, et al
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
 - **Tracing founder mutations in circulating and tissue-resident follicular lymphoma precursors.** *Cancer discovery*
Schroers-Martin, J. G., Soo, J., Brisou, G., Scherer, F., Kurtz, D. M., Sworder, B. J., Khodadoust, M. S., Jin, M. C., Bru, A., Liu, C. L., Stehr, H., Vineis, P., Natkunam, et al
2023
 - **Opioid usage in lumbar disc herniation patients with nonsurgical, early, and late surgical treatments.** *World neurosurgery*
Zhou, Z., Jin, M. C., Jensen, M. R., Barros Guinle, M. I., Ren, A., Agarwal, A. A., Leaston, J., Ratliff, J. K.
2023

- **Determinants of resistance to engineered T cell therapies targeting CD19 in large B cell lymphomas.** *Cancer cell*
Sworder, B. J., Kurtz, D. M., Alig, S. K., Frank, M. J., Shukla, N., Garofalo, A., Macaulay, C. W., Shahrokh Esfahani, M., Olsen, M. N., Hamilton, J., Hosoya, H., Hamilton, M., Spiegel, et al
2022
- **Circulating Tumor DNA Profiling for Detection, Risk Stratification, and Classification of Brain Lymphomas.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*
Mutter, J. A., Alig, S. K., Esfahani, M. S., Lauer, E. M., Mitschke, J., Kurtz, D. M., Kühn, J., Bleul, S., Olsen, M., Liu, C. L., Jin, M. C., Macaulay, C. W., Neidert, et al
2022: JCO2200826
- **Determinants of Resistance to Engineered T-Cell Therapies Targeting CD19 in Large B-Cell Lymphomas**
Sworder, B., Kurtz, D. M., Alig, S. K., Frank, M. J., Shukla, N. D., Garofalo, A., Macaulay, C., Esfahani, M., Olsen, M., Hamilton, J., Hosoya, H., Hamilton, M. P., Spiegel, et al
AMER SOC HEMATOLOGY.2022: 1301-1303
- **Accurate Detection of Clinically Actionable Copy Number Variants in Diverse Hematological Neoplasms By Routine Targeted Sequencing: A Comparative Performance Study**
Mosquera, A., Hosoya, H., Jin, M. C., Esfahani, M., Schroers-Martin, J., Sworder, B., Liu, C., Spiteri, E., Natkunam, Y., Zehnder, J. L., Stehr, H., Kurtz, D. M., Alizadeh, et al
AMER SOC HEMATOLOGY.2022: 10712-10713
- **Distinct Molecular Subtypes of Classic Hodgkin Lymphoma Identified By Comprehensive Noninvasive Profiling**
Alig, S. K., Esfahani, M., Li, M. Y., Adams, R., Garofalo, A., Jin, M. C., Olsen, M., Telenius, A., Sworder, B., Schroers-Martin, J., King, D. A., Rossi, C., Schultz, et al
AMER SOC HEMATOLOGY.2022: 1295-1296
- **Comparison of Deep Learning and Classical Machine Learning Algorithms to Predict Post-operative Outcomes for Anterior Cervical Discectomy and Fusion Procedures with State-of-the-art Performance.** *Spine*
Rodrigues, A. J., Schonfeld, E., Varshneya, K., Stienen, M. N., Staartjes, V. E., Jin, M. C., Veeravagu, A.
2022
- **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
- **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
- **Circulating tumor DNA in head and neck cancer: Early successes and future promise.** *Cancer*
Soo, J., Jin, M. C., Beadle, B. M., Holsinger, F. C., Finegersh, A.
2022
- **Use of Polysomnography and CPAP in Children Who Received Adenotonsillectomy, US 2004 to 2018.** *The Laryngoscope*
Qian, Z. J., Howard, J. M., Cohen, S. M., Jin, M. C., Bhargava, S., Cheng, A. G., Valdez, T. A.
2022
- **Racial Disparities in Surgical Treatment of Obstructive Sleep Apnea.** *OTO open*
Cohen, S. M., Howard, J. J., Jin, M. C., Qian, J., Capasso, R.
2022; 6 (1): 2473974X221088870
- **Rapid intraoperative diagnosis of pediatric brain tumors using Raman spectroscopy: A machine learning approach.** *Neuro-oncology advances*
Jabarkheel, R., Ho, C., Rodrigues, A. J., Jin, M. C., Parker, J. J., Mensah-Brown, K., Yecies, D., Grant, G. A.
2022; 4 (1): vdac118
- **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

- **Circulating tumor DNA profiling for noninvasive detection, classification, and risk stratification of patients with CNS lymphomas**
Mutter, J. A., Alig, S., Lauer, E. M., Esfahani, M. S., Mitschke, J., Kurtz, D. M., Olsen, M., Liu, C. L., Jin, M. C., Bleul, S., Macaulay, C. W., Neidert, N. N., Heiland, et al
KARGER.2021: 90
- **Enhanced detection of minimal residual disease by targeted sequencing of phased variants in circulating tumor DNA.** *Nature biotechnology*
Kurtz, D. M., Soo, J., Co Ting Keh, L., Alig, S., Chabon, J. J., Sworder, B. J., Schultz, A., Jin, M. C., Scherer, F., Garofalo, A., Macaulay, C. W., Hamilton, E. G., Chen, et al
2021
- **Risk of secondary neoplasms after external-beam radiation therapy treatment of pediatric low-grade gliomas: a SEER analysis, 1973-2015.** *Journal of neurosurgery. Pediatrics*
Rodrigues, A. J., Jin, M. C., Wu, A., Bhambhani, H. P., Li, G., Grant, G. A.
2021: 1-9
- **Phased variants improve DLBCL minimal residual disease detection at the end of therapy.**
Kurtz, D., Chabon, J. J., Soo, J., Keh, L., Alig, S., Schultz, A., Jin, M. C., Scherer, F., Craig, A. M., Liu, C., Duehrsen, U., Huettmann, A., Casasnovas, et al
LIPPINCOTT WILLIAMS & WILKINS.2021
- **National Trends in Opioid Prescriptions Following Outpatient Otologic Surgery, 2005-2017.** *Otolaryngology--head and neck surgery : official journal of American Academy of Otolaryngology-Head and Neck Surgery*
Cooperman, S. P., Jin, M. C., Qian, Z. J., Alyono, J. C.
2021: 194599821994755
- **Stage I-II diffuse large B-cell lymphoma treated with rituximab and chemotherapy with or without radiotherapy.** *Leukemia & lymphoma*
Binkley, M. S., Hiniker, S. M., Younes, S., Yoo, C., Wignarajah, A., Jin, M., Guo, H. H., Gupta, N. K., Natkunam, Y., Advani, R. H., Hoppe, R. T.
2021: 1-15
- **Intraoperative Neuromonitoring for Cerebral Arteriovenous Malformation Embolization: A Propensity-Score Matched Retrospective Database Study.** *Cureus*
Feng, A. Y., Sussman, E. S., Jin, M. C., Wong, S., Lopez, J., Pulli, B., Heit, J. J., Telischak, N.
2021; 13 (1): e12946
- **CSF Otorrhea: A Rare Presentation of Spinal Myxopapillary Ependymoma.** *Neuro-Chirurgie*
Feng, A. Y., Jin, M. C., Wong, S., Pendharkar, A. V., Ho, A. L., Efron, A. D.
2021
- **Management of brain tumors presenting in pregnancy: a case series and systematic review** *Management of brain tumors presenting in pregnancy: a case series and systematic review*
Rodrigues, A.
2021; 3 (1)
- **Acetazolamide-Challenged Arterial Spin Labeling Detects Augmented Cerebrovascular Reserve After Surgery for Moyamoya** *Stroke*
Rao, V. L., et al
2021
- **High-quality neurosurgeon communication and visualization during telemedicine encounters improves patient satisfaction** *Journal of Clinical Neuroscience*
Rodrigues, A., Li, G., Zhang, M., Jin, M., Hayden-Gephart, M.
2021; 94: 18-23
- **Epidemiological and Treatment Trends for Acute Ischemic Stroke Preceding and during the COVID-19 Pandemic.** *Cerebrovascular diseases (Basel, Switzerland)*
Rodrigues, A., Jin, M. C., Pendharkar, A.
2021: 1-4
- **Short Diagnosis-to-Treatment Interval Is Associated With Higher Circulating Tumor DNA Levels in Diffuse Large B-Cell Lymphoma.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*
Alig, S. n., Macaulay, C. W., Kurtz, D. M., Dührsen, U. n., Hüttmann, A. n., Schmitz, C. n., Jin, M. C., Sworder, B. J., Garofalo, A. n., Shahrokh Esfahani, M. n., Nabat, B. Y., Soo, J. n., Scherer, et al
2021: JCO2002573

- **An Analysis of Public Interest in Elective Neurosurgical Procedures during the COVID-19 Pandemic through Online Search Engine Trends.** *World neurosurgery*
Feng, A. Y., Garcia, C. A., Jin, M. C., Ho, A. L., Li, G. n., Grant, G. n., Ratliff, J. n., Skirboll, S. L.
2021
- **Management of brain tumors presenting in pregnancy: a case series and systematic review.** *American journal of obstetrics & gynecology MFM*
Rodrigues, A. J., Waldrop, A. R., Suharwady, S., Druzin, M. L., Iv, M., Ansari, J. R., Stone, S. A., Jaffe, R. A., Jin, M. C., Li, G., Hayden-Gephart, M.
2021; 3 (1): 100256
- **Facial Nerve Paralysis Following Endovascular Embolization: A Case Report and Review of the Literature.** *The Annals of otology, rhinology, and laryngology*
Feng, A. Y., Jin, M. C., Wong, S., Pepper, J., Jackler, R., Vaisbuch, Y.
2020: 3489420966611
- **Long-Term Outcomes For Stage I-II Diffuse Large B-Cell Lymphoma Treated With Rituximab And Chemotherapy With Or Without Radiotherapy**
Binkley, M. S., Hiniker, S. M., Younes, S., Yoo, C., Wignarajah, K., Jin, M., Guo, H. H., Natkunam, Y., Advani, R. H., Hoppe, R. T.
ELSEVIER SCIENCE INC.2020: E758
- **Medical malpractice in spine surgery: a review** *NEUROSURGICAL FOCUS*
Medress, Z. A., Jin, M. C., Feng, A., Varshneya, K., Veeravagu, A.
2020; 49 (5): E16
- **Resection of Olfactory Groove Meningiomas Through Unilateral vs. Bilateral Approaches: A Systematic Review and Meta-Analysis** *FRONTIERS IN ONCOLOGY*
Feng, A. Y., Wong, S., Saluja, S., Jin, M. C., Thai, A., Pendharkar, A. V., Ho, A. L., Reddy, P., Efron, A. D.
2020; 10: 560706
- **Opioid Prescribing Patterns Following Pediatric Tonsillectomy in the United States, 2009-2017.** *The Laryngoscope*
Qian, Z. J., Alyono, J. C., Jin, M. C., Cooperman, S. P., Cheng, A. G., Balakrishnan, K.
2020
- **Comparison of Parotidectomy With Observation for Treatment of Pleomorphic Adenoma in Adults.** *JAMA otolaryngology-- head & neck surgery*
Kligerman, M. P., Jin, M., Ayoub, N., Megwalu, U. C.
2020
- **A noninvasive approach for early prediction of therapeutic benefit from immune checkpoint inhibition for lung cancer**
Nabet, B. Y., Esfahani, M. S., Hamilton, E. G., Chabon, J. J., Moding, E. J., Rizvi, H., Steen, C. B., Chaudhuri, A. A., Liu, C., Hui, A. B., Stehr, H., Goljenola, L., Jin, et al
AMER ASSOC CANCER RESEARCH.2020
- **Chromatin accessibility patterns in cell-free DNA reveal tumor heterogeneity**
Esfahani, M., Mehrmohamadi, M., Steen, C. B., Hamilton, E. G., King, D. A., Soo, J., Macaulay, C., Jin, M., Kurtz, D. M., Nabet, B., Moding, E., Chabon, J., Newman, et al
AMER ASSOC CANCER RESEARCH.2020
- **Neurological adverse effects due to programmed death 1 (PD-1) inhibitors.** *Journal of neuro-oncology*
Shi, S., Jaoube, J. A., Kanwar, R., Jin, M. C., Amorin, A., Varanasi, V., Eisinger, E., Thomas, R., Moore, J. M.
2020
- **Boda Bodas and Road Traffic Injuries in Uganda: An Overview of Traffic Safety Trends from 2009 to 2017.** *International journal of environmental research and public health*
Vaca, S. D., Feng, A. Y., Ku, S., Jin, M. C., Kakusa, B. W., Ho, A. L., Zhang, M., Fuller, A., Haglund, M. M., Grant, G.
2020; 17 (6)
- **Circulating tumor DNA in Genetic Profiling and Monitoring of Pediatric Hodgkin Lymphoma**
Shyam, R., Kurtz, D., Alig, S., Jin, M., Link, M., Marks, L., Alizadeh, A.
GEORG THIEME VERLAG KG.2020: 81
- **Elucidating Incidence and Outcomes of Perioperative Status Epilepticus after Neurosurgical Procedures** *American Association of Neurological Surgeons*
Jin, M. C., Zhang, M., Parker, J. J., Ratliff, J. K., Skirboll, S.

2020

- **Stereotactic Radiosurgery for Resected Brain Metastases - Does the Surgical Corridor Need to be Targeted?** *Practical radiation oncology*
Shi, S. n., Sandhu, N. n., Jin, M. n., Wang, E. n., Liu, E. n., Jaoude, J. A., Schofield, K. n., Zhang, C. n., Gibbs, I. C., Hancock, S. L., Chang, S. D., Li, G. n., Gephart, et al
2020
- **Dual antiplatelet therapy after carotid artery stenting: trends and outcomes in a large national database.** *Journal of neurointerventional surgery*
Sussman, E. S., Jin, M. n., Pendharkar, A. V., Pulli, B. n., Feng, A. n., Heit, J. J., Telischak, N. A.
2020
- **Liquid biopsy for pediatric diffuse midline glioma: a review of circulating tumor DNA and cerebrospinal fluid tumor DNA.** *Neurosurgical focus*
Azad, T. D., Jin, M. C., Bernhardt, L. J., Bettegowda, C.
2020; 48 (1): E9
- **Next Generation Sequencing of Cerebrospinal Fluid to Improve Diagnostic Sensitivity, Detect Spatial Heterogeneity, and Predict Outcomes for Advanced Lung Cancer Patients with Leptomeningeal Carcinomatosis** *American Association of Neurological Surgeons*
Azad, T. D., Nanjo, S., Chabon, J., Jin, M. C., Connolly, I., Ko, R., Yoo, C., Iv, M., Nagpal, S., Gephart, M., Alizadeh, A. A., Diehn, M.
2020
- **Assessing the Incidence and Burden of Post-Neurosurgical Antidepressant Use in Children Undergoing Surgery for Refractory Seizures** *American Association of Neurological Surgeons*
Jin, M. C., Prolo, L. M., Parker, J. J., Gallentine, W., Grant, G. A.
2020
- **Evaluating Surgical Resection Extent and Adjuvant Therapy in the Management of Gliosarcoma** *American Association of Neurological Surgeons*
Liu, E. K., Jin, M. C., Shi, S., Gibbs, I., Thomas, R., Recht, L., Soltys, S. G., Pollom, E. L., Chang, S., Gephart, M., Nagpal, S., Li, G.
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
- **Opioid Use in Adults with Low Back or Lower Extremity Pain who Undergo Spine Surgical Treatment within One Year of Diagnosis.** *Spine*
Fatemi, P. n., Zhang, Y. n., Ho, A. n., Lama, R. n., Jin, M. n., Veeravagu, A. n., Desai, A. n., Ratliff, J. K.
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