



Seunggu Jude Han, MD

Clinical Professor, Neurosurgery

CLINICAL OFFICE (PRIMARY)

- **Stanford Neurosurgery at Dominican Hospital**
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ACADEMIC CONTACT INFORMATION

- **Administrator for Santa Cruz**
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Bio

BIO

Dr. Han is a board-certified neurosurgeon with fellowship training in neuro-oncology. He is also a clinical associate professor in the Department of Neurosurgery at Stanford University School of Medicine and chief of neurosurgery at Palo Alto VA Medical Center.

Dr. Han diagnoses and treats a wide range of conditions, including brain tumors, pituitary tumors, spinal tumors, and degenerative spinal disorders. He is passionate about caring for underserved populations, as well as educating and mentoring the next generation of neurosurgeons.

Dr. Han's academic and research interests include brain mapping, advancing diagnostic methods and treatments for brain tumors, and improving the quality of neurosurgical care. He has conducted several clinical trials to determine the safety and effectiveness of specific treatments for different tumors affecting the central nervous system.

Dr. Han has published over 100 peer-reviewed articles in prestigious journals, including Neurology, Neurosurgery, Neuro-Oncology, and the Journal of Neurosurgery. He also serves as a reviewer for many professional publications.

Dr. Han is a member of the American Association of Neurological Surgeons, the Congress of Neurological Surgeons, and the Society for Neuro-Oncology. He serves as an executive committee member and abstract reviewer for annual conferences in several of these organizations.

CLINICAL FOCUS

- Neurological Surgery

ACADEMIC APPOINTMENTS

- Clinical Professor, Neurosurgery

HONORS AND AWARDS

- Michael Edwards Faculty Teaching Award, Department of Neurological Surgery, Stanford University

- Faculty Teaching Award, Department of Neurological Surgery, Oregon Health & Science University
- Ralston Teaching Award, Department of Neurological Surgery, UC San Francisco
- Surgical Innovations Accelerator Mentorship Award, UC San Francisco
- Graduate Medical Education Excellence and Innovation Award, UC San Francisco
- Journal of Neuro-Oncology Award, Congress of Neurological Surgeons Annual Meeting
- Travel Grant Award, European Association of Neuro-Oncology
- Dean's Research Fellowship, UC San Francisco

PROFESSIONAL EDUCATION

- Board Certification: Neurological Surgery, American Board of Neurological Surgery (2019)
- Fellowship: UCSF Neuro-Oncology Fellowship Program (2017) CA
- Fellowship, University of California, San Francisco , Neuro-Oncology (2017)
- Residency: UCSF Neurological Surgery Residency (2016) CA
- Residency, University of California, San Francisco , Neurological Surgery (2016)
- Medical Education: University of California at San Francisco School of Medicine (2010) CA
- M.D., University of California, San Francisco , Medicine (2010)
- B.S., University of California, Los Angeles , Neuroscience (2005)

Publications

PUBLICATIONS

- **Modified RANO, Immunotherapy RANO, and Standard RANO Response to Convection-Enhanced Delivery of IL4R-Targeted Immunotoxin MDNA55 in Recurrent Glioblastoma** *CLINICAL CANCER RESEARCH*
Ellingson, B. M., Sampson, J., Achrol, A., Aghi, M. K., Bankiewicz, K., Wang, C., Bexon, M., Brem, S., Brenner, A., Chowdhary, S., Floyd, J. R., Han, S., Kesari, et al
2021; 27 (14): 3916-3925
- **Novel Use of Stimulating Fence-Post Technique for Functional Mapping of Subcortical White Matter During Tumor Resection: A Technical Case Series** *OPERATIVE NEUROSURGERY*
Han, S., Teton, Z., Gupta, K., Kawamoto, A., Raslan, A. M.
2020; 19 (3): 264-270
- **Association of Maximal Extent of Resection of Contrast-Enhanced and Non-Contrast-Enhanced Tumor With Survival Within Molecular Subgroups of Patients With Newly Diagnosed Glioblastoma** *JAMA ONCOLOGY*
Molinaro, A. M., Hervey-Jumper, S., Morshed, R. A., Young, J., Han, S. J., Chunduru, P., Zhang, Y., Phillips, J. J., Shai, A., Lafontaine, M., Crane, J., Chandra, A., Flanigan, et al
2020; 6 (4): 495-503
- **Subcortical stimulation mapping of descending motor pathways for peritumoral gliomas: assessment of morbidity and functional outcome in 702 cases** *JOURNAL OF NEUROSURGERY*
Han, S. J., Morshed, R. A., Troncon, I., Jordan, K. M., Henry, R. G., Hervey-Jumper, S. L., Berger, M. S.
2019; 131 (1): 201-208
- **The Evolving Role of the Oncologic Neurosurgeon: Looking Beyond Extent of Resection in the Modern Era** *FRONTIERS IN ONCOLOGY*
Bowden, S. G., Han, S.
2018; 8: 406
- **Resection of gliomas deemed inoperable by neurosurgeons based on preoperative imaging studies** *JOURNAL OF NEUROSURGERY*
Southwell, D. G., Birk, H. S., Han, S. J., Li, J., Sall, J. W., Berger, M. S.
2018; 129 (3): 567-575
- **Expression and prognostic impact of immune modulatory molecule PD-L1 in meningioma** *JOURNAL OF NEURO-ONCOLOGY*

- Han, S. J., Reis, G., Kohanbash, G., Shrivastav, S., Magill, S. T., Molinaro, A. M., McDermott, M. W., Theodosopoulos, P. V., Aghi, M. K., Berger, M. S., Butowski, N. A., Barani, I., Phillips, et al
2016; 130 (3): 543-552
- **Phase II trial of 7 days on/7 days off temozolamide for recurrent high-grade glioma** *NEURO-ONCOLOGY*
Han, S. J., Rolston, J. D., Molinaro, A. M., Clarke, J. L., Prados, M. D., Chang, S. M., Berger, M. S., DeSilva, A., Butowski, N. A.
2014; 16 (9): 1255-1262
 - **Soluble factors secreted by glioblastoma cell lines facilitate recruitment, survival, and expansion of regulatory T cells: implications for immunotherapy** *NEURO-ONCOLOGY*
Crane, C. A., Ahn, B. J., Han, S. J., Parsa, A. T.
2012; 14 (5): 584-595
 - **The effect of tumor growth kinetics on survival and time toxicity after resection of recurrent glioblastoma.** *Neurosurgical focus*
Fecker, A. L., Stater, C., Joyce, M., Sengupta, S., Minns, H. E., Nugent, J. G., Smith, J. L., Han, S. J., Wood, M. D., Raslan, A. M., Barajas, R. F., Bowden, S. G.
2025; 59 (2): E3
 - **Frailty is Not Associated With Awake Craniotomy Outcome: A Single Institution Experience.** *Operative neurosurgery (Hagerstown, Md.)*
Fecker, A. L., McIntyre, M. K., Joyce, M., Colgan, D. D., Leser, E., Roti, E., Munoz, E. P., Bowden, S. G., Shahin, M. N., Ramos, C. G., Oken, B., Han, S. J., Raslan, et al
2025
 - **Determination of Optimal Treatment Plan for Papillary Tumor of the Pineal Region: Case Series With Literature Review.** *Brain tumor research and treatment*
Pang, B. W., Mazur-Hart, D. J., Yaghi, N. K., Han, S. J., Liu, J. J.
2024; 12 (4): 221-229
 - **Syllable processing is organized in discrete subregions of the human superior temporal gyrus.** *PLoS biology*
Cleary, D. R., Tchoe, Y., Bourhis, A., Dickey, C. W., Stedelin, B., Ganji, M., Lee, S. H., Lee, J., Siler, D. A., Brown, E. C., Rosen, B. Q., Kaestner, E., Yang, et al
2024; 22 (9): e3002774
 - **Functional prediction of response to therapy prior to therapeutic intervention is associated with improved survival in patients with high-grade glioma.** *Scientific reports*
Ledford, A., Rodriguez, A., Lipinski, L., Abad, A., Fenstermaker, R., Edenfield, J., Kanos, C., Redjal, N., Mansouri, A., Zacharia, B., Butowski, N., Liu, J., Han, et al
2024; 14 (1): 19474
 - **Phase 2 study of bizaxofusp, an IL-4R targeted toxin payload, in nonresectable recurrent GBM: Comparison of overall survival with contemporaneous eligibility-matched and propensity score balanced external control arm**
Sampson, J. H., Bexon, M., Brem, S., Brenner, A. J., Coello, M., Das, S., Davi, R., Desjardins, A., Han, S., Kesari, S., Karanam, S., Merchant, R., Phillips, et al
LIPPINCOTT WILLIAMS & WILKINS.2024
 - **Obesity and meningioma: a US population-based study paired with analysis of a multi-institutional cohort.** *Journal of neurosurgery*
Khazanchi, R., Nandoliya, K. R., Shahin, M. N., Rae, A. I., Chaliparambil, R. K., Bowden, S. G., Alwakeal, A., Lopez Ramos, C. G., Stedelin, B., Youngblood, M. W., Chandler, J. P., Lukas, R. V., Sanusi, et al
2024: 1-10
 - **Modular Phoneme Processing in Human Superior Temporal Gyrus.** *bioRxiv : the preprint server for biology*
Cleary, D. R., Tchoe, Y., Bourhis, A., Dickey, C. W., Stedelin, B., Ganji, M., Lee, S. H., Lee, J., Siler, D. A., Brown, E. C., Rosen, B. Q., Kaestner, E., Yang, et al
2024
 - **Multi-class glioma segmentation on real-world data with missing MRI sequences: comparison of three deep learning algorithms.** *Scientific reports*
Pemberton, H. G., Wu, J., Kommers, I., Muller, D. M., Hu, Y., Goodkin, O., Vos, S. B., Bisdas, S., Robe, P. A., Ardon, H., Bello, L., Rossi, M., Sciortino, et al
2023; 13 (1): 18911

- **SURVIVAL OUTCOMES IN RECURRENT GLIOBLASTOMA (RGBM) PATIENTS TREATED WITH A SINGLE INTRA-TUMORAL ADMINISTRATION OF BIZAXOFUSP, AN IL-4R-TARGETING TOXIN, IN A PHASE IIB TRIAL**
Sampson, J., Achrol, A., Aghi, M., Bankiewicz, K., Bexon, M., Brem, S., Brenner, A., Chowdhary, S., Coello, M., Desjardins, A., Ellingson, B., Floyd, J., Han, et al
OXFORD UNIV PRESS INC.2023
- **On-Call Workload Differences in Neurosurgery: Resident Call "Weather" and a Departure from Colored Cloud Labels.** *Neurosurgery*
Tan, H., Bowden, S. G., Siler, D. A., O'Neill, B. E., Shahin, M. N., Fecker, A. L., Fleming-Sheffels, S., Han, S. J., Selden, N. R., Winer, J., Orina, J. N.
2023
- **Rapid Passive Gamma Mapping as an Adjunct to Electrical Stimulation Mapping for Functional Localization in Resection of Primary Brain Neoplasms.** *World neurosurgery*
Tan, H., Nugent, J. G., Fecker, A., Richie, E. A., Maanum, K. A., Nerison, C., Bowden, S. G., Yaylali, I., Han, S. J., Colgan, D. D., Oken, B., Raslan, A. M.
2023
- **Intraoperative application and early experience with novel high-resolution, high-channel-count thin-film electrodes for human microelectrocorticography.** *Journal of neurosurgery*
Tan, H., Paulk, A. C., Stedelin, B., Cleary, D. R., Nerison, C., Tchoe, Y., Brown, E. C., Bourhis, A., Russman, S., Lee, J., Tonsfeldt, K. J., Yang, J. C., Oh, et al
2023: 1-12
- **Targeting the IL4 Receptor with MDNA55 in Patients with Recurrent Glioblastoma: Results of a Phase 2b Trial.** *Neuro-oncology*
Sampson, J. H., Singh Achrol, A., Aghi, M. K., Bankiewicz, K., Bexon, M., Brem, S., Brenner, A., Chandhasin, C., Chowdhary, S., Coello, M., Ellingson, B. M., Floyd, J. R., Han, et al
2023
- **Response to Preoperative Dexamethasone Predicts Postoperative Neurological Improvement of Focal Neurological Deficits in Patients With Brain Metastases.** *Neurosurgery*
Bowden, S. G., Lopez Ramos, C. G., Cheaney, B. 2., Richie, E., Yaghi, N. K., Munger, D. N., Mazur-Hart, D. J., Tan, H., Wood, M. D., Cetas, J. S., Dogan, A., Raslan, A. M., Han, et al
2023
- **International Tuberculum Sellae Meningioma Study: Preoperative Grading Scale to Predict Outcomes and Propensity-Matched Outcomes by Endonasal Versus Transcranial Approach.** *Neurosurgery*
Magill, S. T., Schwartz, T. H., Couldwell, W. T., Gardner, P. A., Heilman, C. B., Sen, C., Akagami, R., Cappabianca, P., Prevedello, D. M., McDermott, M. W., International Tuberculum Sellae Meningioma Study, Przybylowski, C. J., Almefty, K. K., et al
2023
- **International Tuberculum Sellae Meningioma Study: Surgical Outcomes and Management Trends.** *Neurosurgery*
Magill, S. T., Schwartz, T. H., Couldwell, W. T., Gardner, P. A., Heilman, C. B., Sen, C., Akagami, R., Cappabianca, P., Prevedello, D. M., McDermott, M. W., International Tuberculum Sellae Meningioma Study Authors, Przybylowski, C. J., Almefty, K. K., et al
2023
- **Reply to letter to the editor: Does early adjuvant brain metastasis SRS increase mortality?** *Neuro-oncology practice*
Yaghi, N. K., Han, S. J.
2022; 9 (6): 561
- **FUNCTIONAL EX VIVO TESTING PROSPECTIVELY IDENTIFIES NEWLY DIAGNOSED GLIOBLASTOMA PATIENTS SENSITIVE TO TEMOZOLOMIDE TREATMENT IRRESPECTIVE OF MGMT METHYLATION STATUS**
DesRochers, T., Lipinski, L., Abad, A., Fenstermaker, R., Fabiano, A., Edenfield, J., Kanos, C., Redjal, N., Rodriguez, A., Mansouri, A., Zacharia, B., Butowski, N., Liu, et al
OXFORD UNIV PRESS INC.2022: 148-149
- **PREOPERATIVE DEXAMETHASONE LEADS TO SIGNIFICANT REDUCTIONS IN PERITUMORAL EDEMA FOR PATIENTS WITH BRAIN METASTASES**
Tan, H., Bowden, S., Cheaney, B., Richie, E., de Leeuw, C., Wood, M., Raslan, A., Han, S., Barajas, R.
OXFORD UNIV PRESS INC.2022: 162
- **Reply to letter to the editor: Does early adjuvant brain metastasis SRS increase mortality?** *NEURO-ONCOLOGY PRACTICE*
Yaghi, N. K., Han, S.

2022

- **Effects of 24-hour versus night-float call schedules on the clinical and operative experiences of postgraduate year 2 and 3 neurosurgical residents.** *Neurosurgical focus*
Bowden, S. G., Siler, D. A., Shahin, M. N., Mazur-Hart, D. J., Munger, D. N., Ross, M. N., O'Neill, B. E., Nerison, C. S., Rothbaum, M., Han, S. J., Wright, J. M., Orina, J. N., Winer, et al
2022; 53 (2): E12
- **Clinical application of a functional 3D ex vivo test to predict therapeutic response in patients with HGG: A progression-free survival analysis**
Lipinski, L. J., Abad, A., Fenstermaker, R., Fabiano, A. J., Edenfield, W., Kanos, C., Redjal, N., Rodriguez, A., Mansouri, A., Zacharia, B., Butowski, N. A., Liu, J., Han, et al
LIPPINCOTT WILLIAMS & WILKINS.2022
- **Association of Medicaid Expansion Under the Affordable Care Act with Receipt of Meningioma Treatment**
Ramos, C., Mazur-Hart, D., Rae, A., Bowden, S., Yaghi, N., Shahin, M., Yamamoto, E., Han, S., Raslan, A.
AMER ASSOC NEUROLOGICAL SURGEONS.2022
- **Optimal timing of radiotherapy following brain metastases surgery.** *Neuro-oncology practice*
Yaghi, N. K., Radu, S., Nugent, J. G., Mazur-Hart, D. J., Pang, B. W., Bowden, S. G., Murphy, B., Han, S. J.
2022; 9 (2): 133-141
- **Optimal timing of radiotherapy following brain metastases surgery** *NEURO-ONCOLOGY PRACTICE*
Yaghi, N. K., Radu, S., Nugent, J. G., Mazur-Hart, D. J., Pang, B. W., Bowden, S. G., Murphy, B., Han, S. J.
2022
- **Identifying risk factors for postoperative diabetes insipidus in more than 2500 patients undergoing transsphenoidal surgery: a single-institution experience.** *Journal of neurosurgery*
Joshi, R. S., Pereira, M. P., Osorio, R. C., Oh, T., Haddad, A. F., Pereira, K. M., Donohue, K. C., Peeran, Z., Sudhir, S., Jain, S., Beniwal, A., Chandra, A., Han, et al
1800: 1-11
- **Regression of Multiple Meningiomas after Discontinuation of Chronic Hormone Therapy: A Case Report** *JOURNAL OF NEUROLOGICAL SURGERY REPORTS*
Shahin, M. N., Bowden, S. G., Yaghi, N. K., Bagley, J. H., Han, S. J., Varlamov, E. V., Grafe, M. R., Cetas, J. S.
2021; 82 (04): e38-e42
- **On the cutting edge of glioblastoma surgery: where neurosurgeons agree and disagree on surgical decisions.** *Journal of neurosurgery*
Muller, D. M., Robe, P. A., Ardon, H., Barkhof, F., Bello, L., Berger, M. S., Bouwknecht, W., Van den Brink, W. A., Conti Nibali, M., Eijgelaar, R. S., Furtner, J., Han, S. J., Hervey-Jumper, et al
2021: 1-11
- **Safety assessment of intraparenchymal central nervous system biopsies: Single institution healthcare value review** *JOURNAL OF CLINICAL NEUROSCIENCE*
Mazur-Hart, D. J., Yaghi, N. K., Goh, J., Lin, Y., Han, S.
2021; 87: 112-115
- **Quantifying eloquent locations for glioblastoma surgery using resection probability maps** *JOURNAL OF NEUROSURGERY*
Muller, D. M. J., Robe, P. A., Ardon, H., Barkhof, F., Bello, L., Berger, M. S., Bouwknecht, W., Van den Brink, W. A., Nibali, M., Eijgelaar, R. S., Furtner, J., Han, S. J., Hervey-Jumper, et al
2021; 134 (4): 1091-1101
- **Prospective prediction of clinical drug response in high-grade gliomas using an ex vivo 3D cell culture assay.** *Neuro-oncology advances*
Shuford, S., Lipinski, L., Abad, A., Smith, A. M., Rayner, M., O'Donnell, L., Stuart, J., Mechtler, L. L., Fabiano, A. J., Edenfield, J., Kanos, C., Gardner, S., Hodge, et al
2021; 3 (1): vdab065
- **Compassion, communication, and the perception of control: a mixed methods study to investigate patients' perspectives on clinical practices for alleviating distress and promoting empowerment during awake craniotomies.** *British journal of neurosurgery*
Colgan, D. D., Eddy, A., Aulet-Leon, M., Green, K., Peters, B., Shangraw, R., Han, S. J., Raslan, A., Oken, B.
2021: 1-12

- **Changing Hands: A Rising Role of the Tumor Surgeon in Teaching Sylvian Fissure Dissection.** *World neurosurgery*
Bowden, S. G., Siler, D. A., Radu, S., Woll, S. C., Rae, A. I., Cheaney, B., Nugent, J. G., Stedelin, B., Cetas, J. S., Dogan, A., Han, S. J.
2021; 146: e86-e90
- **The clinical heterogeneity of entirely nonenhancing CNS lymphoma: a case series.** *CNS oncology*
Bowden, S. G., Munger, D. N., Thiessen, J., Woll, S. C., Han, S. J., Neuwelt, E. A., Barajas, R. F., Ambady, P.
2021; 10 (1): CNS67
- **Timing of glioblastoma surgery and patient outcomes: a multicenter cohort study.** *Neuro-oncology advances*
Muller, D. M., De Swart, M. E., Ardon, H., Barkhof, F., Bello, L., Berger, M. S., Bouwknegt, W., Van den Brink, W. A., Conti Nibali, M., Eijgelaar, R. S., Furtner, J., Han, S. J., Hervey-Jumper, et al
2021; 3 (1): vdab053
- **The value of visible 5-ALA fluorescence and quantitative protoporphyrin IX analysis for improved surgery of suspected low-grade gliomas** *JOURNAL OF NEUROSURGERY*
Widhalm, G., Olson, J., Weller, J., Bravo, J., Han, S. J., Phillips, J., Hervey-Jumper, S. L., Chang, S. M., Roberts, D. W., Berger, M. S.
2020; 133 (1): 79-88
- **Distinguishing Extravascular from Intravascular Ferumoxytol Pools within the Brain: Proof of Concept in Patients with Treated Glioblastoma.** *AJNR. American journal of neuroradiology*
Barajas, R. F., Schwartz, D., McConnell, H. L., Kersch, C. N., Li, X., Hamilton, B. E., Starkey, J., Pettersson, D. R., Nickerson, J. P., Pollock, J. M., Fu, R. F., Horvath, A., Szidonya, et al
2020; 41 (7): 1193-1200
- **Measure Twice: Promise of Liquid Biopsy in Pediatric High-Grade Gliomas** *ADVANCES IN RADIATION ONCOLOGY*
Dietz, M. S., Beach, C. Z., Barajas, R., Parappilly, M. S., Sengupta, S. K., Baird, L. C., Ciporen, J. N., Han, S. J., de Mola, R., Cho, Y., Nazemi, K. J., McClelland, S., Wong, et al
2020; 5 (2): 152-162
- **Perioperative outcomes following reoperation for recurrent insular gliomas** *JOURNAL OF NEUROSURGERY*
Morshed, R. A., Young, J. S., Han, S. J., Hervey-Jumper, S. L., Berger, M. S.
2019; 131 (2): 467-473
- **An unusual recurrent high-grade glioneuronal tumor with MAP2K1 mutation and CDKN2A/B homozygous deletion** *ACTA NEUROPATHOLOGICA COMMUNICATIONS*
Cheaney, B., Bowden, S., Krause, K., Sloan, E. A., Perry, A., Solomon, D. A., Han, S., Wood, M. D.
2019; 7: 110
- **The transcortical equatorial approach for gliomas of the mesial temporal lobe: techniques and functional outcomes** *JOURNAL OF NEUROSURGERY*
Morshed, R. A., Young, J. S., Han, S. J., Hervey-Jumper, S. L., Berger, M. S.
2019; 130 (3): 822-830
- **Molecular features and clinical outcomes in surgically treated low-grade diffuse gliomas in patients over the age of 60** *JOURNAL OF NEURO-ONCOLOGY*
Morshed, R. A., Han, S. J., Hervey-Jumper, S. L., Pekmezci, M., Troncon, I., Chang, S. M., Butowski, N. A., Berger, M. S.
2019; 141 (2): 383-391
- **Combined iron oxide nanoparticle ferumoxytol and gadolinium contrast enhanced MRI define glioblastoma pseudoprogression.** *Neuro-oncology*
Barajas, R. F., Hamilton, B. E., Schwartz, D., McConnell, H. L., Pettersson, D. R., Horvath, A., Szidonya, L., Varallyay, C. G., Firkins, J., Jaboin, J. J., Kubicky, C. D., Raslan, A. M., Dogan, et al
2019; 21 (4): 517-526
- **A single case design to examine short-term intracranial EEG patterns during focused meditation.** *Neuroscience letters*
Colgan, D. D., Memmott, T., Klee, D., Ernst, L., Han, S. J., Oken, B.
2019; 711: 134441
- **Resection of primary motor cortex tumors: feasibility and surgical outcomes.** *Journal of neurosurgery*
Magill, S. T., Han, S. J., Li, J., Berger, M. S.
2018; 129 (4): 961-972

- **Intraoperative perception and estimates on extent of resection during awake glioma surgery: overcoming the learning curve** *JOURNAL OF NEUROSURGERY*
Lau, D., Hervey-Jumper, S. L., Han, S. J., Berger, M. S.
2018; 128 (5): 1410-1418
- **Wavelength-specific lighted suction instrument for 5-aminolevulinic acid fluorescence-guided resection of deep-seated malignant glioma: technical note.** *Journal of neurosurgery*
Morshed, R. A., Han, S. J., Lau, D., Berger, M. S.
2018; 128 (5): 1448-1453
- **Familial melanoma-astrocytoma syndrome: synchronous diffuse astrocytoma and pleomorphic xanthoastrocytoma in a patient with germline CDKN2A/B deletion and a significant family history.** *Clinical neuropathology*
Chan, A. K., Han, S. J., Choy, W., Belefard, D., Aghi, M. K., Berger, M. S., Shieh, J. T., Bollen, A. W., Perry, A., Phillips, J. J., Butowski, N., Solomon, D. A.
2017; 36 (5): 213-221
- **Early tumor growth between initial resection and radiotherapy of glioblastoma: incidence and impact on clinical outcomes.** *Journal of neuro-oncology*
Villanueva-Meyer, J. E., Han, S. J., Cha, S., Butowski, N. A.
2017; 134 (1): 213-219
- **RESECTION OF PRIMARY MOTOR CORTEX TUMORS: FEASIBILITY AND SURGICAL OUTCOMES**
Magill, S. T., Han, S. J., Li, J., Berger, M. S.
OXFORD UNIV PRESS INC.2017: 111
- **Cost-Effectiveness Analysis of Surgical versus Medical Treatment of Prolactinomas.** *Journal of neurological surgery. Part B, Skull base*
Zygourakis, C. C., Imber, B. S., Chen, R., Han, S. J., Blevins, L., Molinaro, A., Kahn, J. G., Aghi, M. K.
2017; 78 (2): 125-131
- **Systemic inaccuracies in the National Surgical Quality Improvement Program database: Implications for accuracy and validity for neurosurgery outcomes research** *JOURNAL OF CLINICAL NEUROSCIENCE*
Rolston, J. D., Han, S. J., Chang, E. F.
2017; 37: 44-47
- **Treatment options for recurrent high-grade gliomas.** *CNS oncology*
Birk, H. S., Han, S. J., Butowski, N. A.
2017; 6 (1): 61-70
- **The transsylvian approach for resection of insular gliomas: technical nuances of splitting the Sylvian fissure** *JOURNAL OF NEURO-ONCOLOGY*
Safaei, M. M., Englot, D. J., Han, S. J., Lawton, M. T., Berger, M. S.
2016; 130 (2): 283-287
- **Direct visualization of improved optic nerve pial vascular supply following tuberculum meningioma resection: case report** *JOURNAL OF NEUROSURGERY*
Han, S. J., Magill, S. T., Tarapore, P. E., Horton, J. C., McDermott, M. W.
2016; 125 (3): 565-569
- **Seizures in supratentorial meningioma: a systematic review and meta-analysis** *JOURNAL OF NEUROSURGERY*
Englot, D. J., Magill, S. T., Han, S. J., Chang, E. F., Berger, M. S., McDermott, M. W.
2016; 124 (6): 1552-1561
- **Nationwide shift from microscopic to endoscopic transsphenoidal pituitary surgery.** *Pituitary*
Rolston, J. D., Han, S. J., Aghi, M. K.
2016; 19 (3): 248-50
- **In Reply: Survival With Glioblastoma Multiforme and the Timing of Chemoradiation** *NEUROSURGERY*
Han, S. J., Butowski, N. A.
2016; 78 (2): E315
- **Awake brain tumor resection during pregnancy: Decision making and technical nuances** *JOURNAL OF CLINICAL NEUROSCIENCE*

- Meng, L., Han, S. J., Rollins, M. D., Gelb, A. W., Chang, E. F.
2016; 24: 160-162
- **Preventing Delays in First-Case Starts on the Neurosurgery Service: A Resident-Led Initiative at an Academic Institution.** *Journal of surgical education*
Han, S. J., Rolston, J. D., Zygorakis, C. C., Sun, M. Z., McDermott, M. W., Lau, C. Y., Aghi, M. K.
2016; 73 (2): 291-95
 - **Resident-led Implementation of a Standardized Handoff System to Facilitate Transfer of Postoperative Neurosurgical Patients to the ICU** *CUREUS*
Birk, H. S., Han, S. J., Rolston, J. D., Rowland, N. C., Lau, C., Theodosopoulos, P. V., McDermott, M.
2016; 8 (1): e461
 - **Interventional MRI-guided catheter placement and real time drug delivery to the central nervous system** *EXPERT REVIEW OF NEUROTHERAPEUTICS*
Han, S. J., Bankiewicz, K., Butowski, N. A., Larson, P. S., Aghi, M. K.
2016; 16 (6): 635-639
 - **Laser Ablation vs Open Resection for Deep-Seated Tumors: The Case for Open Resection.** *Neurosurgery*
Han, S. J., Chang, S. M., Berger, M. S.
2016; 63 Suppl 1: 10-14
 - **The Presto 1000: A novel automated transcranial Doppler ultrasound system** *JOURNAL OF CLINICAL NEUROSCIENCE*
Han, S. J., Rutledge, W., Englot, D. J., Winkler, E. A., Browne, J. L., Pflugrath, L., Cronsier, D., Abl, A. A., Kliot, M., Lawton, M. T.
2015; 22 (11): 1771-1775
 - **Impact of Timing of Concurrent Chemoradiation for Newly Diagnosed Glioblastoma: A Critical Review of Current Evidence.** *Neurosurgery*
Han, S. J., Englot, D. J., Birk, H., Molinaro, A. M., Chang, S. M., Clarke, J. L., Prados, M. D., Taylor, J. W., Berger, M. S., Butowski, N. A.
2015; 62 Suppl 1: 160-5
 - **The Effect of Timing of Concurrent Chemoradiation in Patients With Newly Diagnosed Glioblastoma.** *Neurosurgery*
Han, S. J., Rutledge, W. C., Molinaro, A. M., Chang, S. M., Clarke, J. L., Prados, M. D., Taylor, J. W., Berger, M. S., Butowski, N. A.
2015; 77 (2): 248-53; discussion 253
 - **Improving Patient Safety in Neurologic Surgery** *NEUROSURGERY CLINICS OF NORTH AMERICA*
Han, S. J., Rolston, J. D., Lau, C. Y., Berger, M. S.
2015; 26 (2): 143-+
 - **Quality Improvement in Neurosurgery Preface** *NEUROSURGERY CLINICS OF NORTH AMERICA*
Rolston, J. D., Han, S. J., Parsa, A. T.
2015; 26 (2): XIII-XIV
 - **Surgery of basal ganglia, thalamic and brainstem arteriovenous malformations** *Comprehensive management of of AVMS of the Brain and Spine*
Potts, M. B., Han, S. J., Lawton, M. T.
Cambridge University Press.2015
 - **Brainstem arteriovenous malformations: anatomical subtypes, assessment of "occlusion in situ" technique, and microsurgical results.** *Journal of neurosurgery*
Han, S. J., Englot, D. J., Kim, H., Lawton, M. T.
2015; 122 (1): 107-17
 - **Gangliogliomas of the optic pathway** *JOURNAL OF CLINICAL NEUROSCIENCE*
Rolston, J. D., Han, S. J., Cotter, J. A., El-Sayed, I. H., Aghi, M. K.
2014; 21 (12): 2244-2249
 - **Medical errors in neurosurgery.** *Surgical neurology international*
Rolston, J. D., Zygorakis, C. C., Han, S. J., Lau, C. Y., Berger, M. S., Parsa, A. T.
2014; 5 (Suppl 10): S435-40

- **What clinical factors predict the incidence of deep venous thrombosis and pulmonary embolism in neurosurgical patients?** *JOURNAL OF NEUROSURGERY*
Rolston, J. D., Han, S. J., Bloch, O., Parsa, A. T.
2014; 121 (4): 908-918
- **Epilepsy surgery failure in children: a quantitative and qualitative analysis.** *Journal of neurosurgery. Pediatrics*
Englot, D. J., Han, S. J., Rolston, J. D., Ivan, M. E., Kuperman, R. A., Chang, E. F., Gupta, N., Sullivan, J. E., Augustine, K. I.
2014; 14 (4): 386-95
- **Tumors of the anterior skull base** *EXPERT REVIEW OF NEUROTHERAPEUTICS*
Ivan, M. E., Han, S. J., Aghi, M. K.
2014; 14 (4): 425-438
- **Rathke's cleft cysts: review of natural history and surgical outcomes.** *Journal of neuro-oncology*
Han, S. J., Rolston, J. D., Jahangiri, A., Aghi, M. K.
2014; 117 (2): 197-203
- **Frequency and predictors of complications in neurological surgery: national trends from 2006 to 2011** *JOURNAL OF NEUROSURGERY*
Rolston, J. D., Han, S. J., Lau, C. Y., Berger, M. S., Parsa, A. T.
2014; 120 (3): 736-745
- **Morbidity of repeat transsphenoidal surgery assessed in more than 1000 operations.** *Journal of neurosurgery*
Jahangiri, A. n., Wagner, J. n., Han, S. W., Zygourakis, C. C., Han, S. J., Tran, M. T., Miller, L. M., Tom, M. W., Kunwar, S. n., Blevins, L. S., Aghi, M. K.
2014; 121 (1): 67-74
- **Targeted reduction in neurosurgical laboratory utilization: resident-led effort at a single academic institution.** *Journal of neurosurgery*
Han, S. J., Saigal, R., Rolston, J. D., Cheng, J. S., Lau, C. Y., Mistry, R. I., McDermott, M. W., Berger, M. S.
2014; 120 (1): 173-7
- **Two-part parasagittal craniotomy: technical note** *Cureus*
Burke, J. F., Han, S. J., Han, J. H., et al
2014
- **Socioeconomic factors associated with pituitary apoplexy** *JOURNAL OF NEUROSURGERY*
Jahangiri, A., Clark, A. J., Han, S. J., Kunwar, S., Blevins, L. S., Aghi, M. K.
2013; 119 (6): 1432-1436
- **Multidisciplinary Care of Patients with Brain Tumors** *SURGICAL ONCOLOGY CLINICS OF NORTH AMERICA*
Huang, T., Mueller, S., Rutkowski, M. J., Han, S. J., Bloch, O., Barani, I. J., Parsa, A. T., Chang, S. M.
2013; 22 (2): 161-?
- **Keyhole revision after failed subdural craniostomy for chronic subdural hematoma: technical note** *Cureus*
Rolston, J. D., Han, S. J., McDermott, M. W.
2013
- **Individual Patient-Specific Immunity against High-Grade Glioma after Vaccination with Autologous Tumor Derived Peptides Bound to the 96 KD Chaperone Protein** *CLINICAL CANCER RESEARCH*
Crane, C. A., Han, S. J., Ahn, B., Oehlke, J., Kivett, V., Fedoroff, A., Butowski, N., Chang, S. M., Clarke, J., Berger, M. S., McDermott, M. W., Prados, M. D., Parsa, et al
2013; 19 (1): 205-214
- **Rathke's cleft cysts** *Pituitary Disorders: Diagnosis and Management*
Han, S. J., Jahangiri, A., Aghi, M. K.
Wiley-Blackwell Publishers.2013; 1
- **Impact of extent of resection for recurrent glioblastoma on overall survival** *Clinical article JOURNAL OF NEUROSURGERY*
Bloch, O., Han, S. J., Cha, S., Sun, M. Z., Aghi, M. K., McDermott, M. W., Berger, M. S., Parsa, A. T.
2012; 117 (6): 1032-1038

- **Creating a culture of safety within operative neurosurgery: the design and implementation of a perioperative safety video** *NEUROSURGICAL FOCUS*
Lau, C. Y., Greys, S., Mistry, R. I., Han, S. J., Mummaneni, P. V., Berger, M. S.
2012; 33 (5): E3
- **Seizure Predictors and Control After Microsurgical Resection of Supratentorial Arteriovenous Malformations in 440 Patients** *NEUROSURGERY*
Englot, D. J., Young, W. L., Han, S. J., McCulloch, C. E., Chang, E. F., Lawton, M. T.
2012; 71 (3): 572-579
- **The effect of the 2003 Consensus Reporting Standards on publications describing patients with vestibular schwannoma treated with stereotactic radiosurgery.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Han, S. J., Oh, M. C., Sughrue, M. E., Rutkowski, M. J., Aranda, D., Barani, I. J., Parsa, A. T.
2012; 19 (8): 1144-7
- **Modern management of high grade glioma, part II.** *Neurosurgery clinics of North America*
Yang, I., Han, S. J.
2012; 23 (3): xiii-xiv
- **Reporting standard compliance in publications of vestibular schwannoma patients treated with microsurgery.** *Otology & neurotology : official publication of the American Otological Society, American Neurotology Society [and] European Academy of Otology and Neurotology*
Han, S. J., Oh, M. C., Sughrue, M. E., Aranda, D., Rutkowski, M. J., Parsa, A. T.
2012; 33 (4): 648-50
- **The Rise and Fall of "Biopsy and Radiate": A History of Surgical Nihilism in Glioma Treatment** *NEUROSURGERY CLINICS OF NORTH AMERICA*
Han, S. J., Sughrue, M. F.
2012; 23 (2): 207-+
- **Extent of Surgical Resection Predicts Seizure Freedom in Low-Grade Temporal Lobe Brain Tumors** *NEUROSURGERY*
Englot, D. J., Han, S. J., Berger, M. S., Barbaro, N. M., Chang, E. F.
2012; 70 (4): 921-928
- **Immunotherapy for glioma: promises and challenges.** *Neurosurgery clinics of North America*
Han, S. J., Zygorakis, C. n., Lim, M. n., Parsa, A. T.
2012; 23 (3): 357-70
- **Predictors of seizure freedom in the surgical treatment of supratentorial cavernous malformations** Clinical article *JOURNAL OF NEUROSURGERY*
Englot, D. J., Han, S. J., Lawton, M. T., Chang, E. F.
2011; 115 (6): 1169-1174
- **Awake far lateral craniotomy for resection of foramen magnum meningioma in a patient with tenuous motor and somatosensory evoked potentials.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
deipolyi, A. R., Han, S. J., Sughrue, M. E., Litt, L., Parsa, A. T.
2011; 18 (9): 1254-6
- **Immune cell infiltrate differences in pilocytic astrocytoma and glioblastoma: evidence of distinct immunological microenvironments that reflect tumor biology.** *Journal of neurosurgery*
Yang, I., Han, S. J., Sughrue, M. E., Tihan, T., Parsa, A. T.
2011; 115 (3): 505-11
- **A comprehensive analysis of intracranial chordoma and survival: a systematic review.** *British journal of neurosurgery*
Jian, B. J., Bloch, O. G., Yang, I., Han, S. J., Aranda, D., Parsa, A. T.
2011; 25 (4): 446-53
- **Pathology of Pineal Parenchymal Tumors** *NEUROSURGERY CLINICS OF NORTH AMERICA*
Han, S. J., Clark, A. J., Ivan, M. E., Parsa, A. T., Perry, A.
2011; 22 (3): 335-+
- **Heat shock protein-peptide complex in the treatment of glioblastoma** *EXPERT REVIEW OF VACCINES*

- See, A. P., Pradilla, G., Yang, I., Han, S., Parsa, A. T., Lim, M.
2011; 10 (6): 721-31
- **Complications and perioperative factors associated with learning the technique of minimally invasive transforaminal lumbar interbody fusion (TLIF)** *JOURNAL OF CLINICAL NEUROSCIENCE*
Lau, D., Lee, J. G., Han, S. J., Lu, D. C., Chou, D.
2011; 18 (5): 624-627
 - **Anterior Thoracolumbar Corpectomies: Approach Morbidity With and Without an Access Surgeon** *NEUROSURGERY*
Han, S. J., Lau, D., Lu, D. C., Theodore, P., Chou, D.
2011; 68 (5): 1220-1225
 - **Early surgical intervention in adult patients with ganglioglioma is associated with improved clinical seizure outcomes.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Yang, I., Chang, E. F., Han, S. J., Barry, J. J., Fang, S., Tihan, T., Barbaro, N. M., Parsa, A. T.
2011; 18 (1): 29-33
 - **Minimally invasive compared to open microdiscectomy for lumbar disc herniation.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Lau, D., Han, S. J., Lee, J. G., Lu, D. C., Chou, D.
2011; 18 (1): 81-4
 - **Implications for immunotherapy of tumor-mediated T-cell apoptosis associated with loss of the tumor suppressor PTEN in glioblastoma.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Waldron, J. S., Yang, I., Han, S., Tihan, T., Sughrue, M. E., Mills, S. A., Pieper, R. O., Parsa, A. T.
2010; 17 (12): 1543-7
 - **CD8+ T-cell infiltrate in newly diagnosed glioblastoma is associated with long-term survival.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Yang, I., Tihan, T., Han, S. J., Wrensch, M. R., Wiencke, J., Sughrue, M. E., Parsa, A. T.
2010; 17 (11): 1381-5
 - **Development of a symptomatic intracranial meningioma in a male-to-female transsexual after initiation of hormone therapy.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Deipolyi, A. R., Han, S. J., Parsa, A. T.
2010; 17 (10): 1324-6
 - **Surgical resection and adjuvant radiotherapy for a large pineal hemangiopericytoma.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Jian, B. J., Han, S. J., Yang, I., Waldron, J. S., Tihan, T., Parsa, A. T.
2010; 17 (9): 1209-11
 - **Tumor control after surgery and radiotherapy for pineocytoma** Clinical article *JOURNAL OF NEUROSURGERY*
Clark, A. J., Ivan, M. E., Sughrue, M. E., Yang, I., Aranda, D., Han, S. J., Kane, A. J., Parsa, A. T.
2010; 113 (2): 319-324
 - **Secondary gliosarcoma after diagnosis of glioblastoma: clinical experience with 30 consecutive patients** Clinical article *JOURNAL OF NEUROSURGERY*
Han, S. J., Yang, I., Otero, J. J., Ahn, B. J., Tihan, T., McDermott, M. W., Berger, M. S., Chang, S. M., Parsa, A. T.
2010; 112 (5): 990-996
 - **Adjuvant radiation therapy and chondroid chordoma subtype are associated with a lower tumor recurrence rate of cranial chordoma.** *Journal of neuro-oncology*
Jian, B. J., Bloch, O. G., Yang, I., Han, S. J., Aranda, D., Tihan, T., Parsa, A. T.
2010; 98 (1): 101-8
 - **Cranial chondrosarcoma and recurrence.** *Skull base : official journal of North American Skull Base Society ... [et al.]*
Bloch, O. G., Jian, B. J., Yang, I., Han, S. J., Aranda, D., Ahn, B. J., Parsa, A. T.
2010; 20 (3): 149-56
 - **Clinical Characteristics and Outcomes for a Modern Series of Primary Gliosarcoma Patients** *CANCER*

- Han, S. J., Yang, I., Ahn, B. J., Otero, J. J., Tihan, T., McDermott, M. W., Berger, M. S., Prados, M. D., Parsa, A. T.
2010; 116 (5): 1358-1366
- **Primary gliosarcoma: key clinical and pathologic distinctions from glioblastoma with implications as a unique oncologic entity.** *Journal of neuro-oncology*
Han, S. J., Yang, I., Tihan, T., Prados, M. D., Parsa, A. T.
2010; 96 (3): 313-20
 - **Secondary gliosarcoma: a review of clinical features and pathological diagnosis** Clinical article *JOURNAL OF NEUROSURGERY*
Han, S. J., Yang, I., Tihan, T., Chang, S. M., Parsa, A. T.
2010; 112 (1): 26-32
 - **The role of microglia in central nervous system immunity and glioma immunology.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Yang, I., Han, S. J., Kaur, G., Crane, C., Parsa, A. T.
2010; 17 (1): 6-10
 - **Distinguishing glioma recurrence from treatment effect after radiochemotherapy and immunotherapy.** *Neurosurgery clinics of North America*
Yang, I., Huh, N. G., Smith, Z. A., Han, S. J., Parsa, A. T.
2010; 21 (1): 181-6
 - **Biologic Principles of Immunotherapy for Malignant Gliomas** *NEUROSURGERY CLINICS OF NORTH AMERICA*
Han, S. J., Kaur, G., Yang, I., Lim, M.
2010; 21 (1): 1-+
 - **Microglia and central nervous system immunity.** *Neurosurgery clinics of North America*
Kaur, G., Han, S. J., Yang, I., Crane, C.
2010; 21 (1): 43-51
 - **TGF-beta downregulates the activating receptor NKG2D on NK cells and CD8(+) T cells glioma patients** *NEURO-ONCOLOGY*
Crane, C. A., Han, S. J., Barry, J. J., Ahn, B. J., Lanier, L. L., Parsa, A. T.
2010; 12 (1): 7-13
 - **Gamma interferon-mediated superinduction of B7-H1 in PTEN-deficient glioblastoma: a paradoxical mechanism of immune evasion.** *Neuroreport*
Han, S. J., Ahn, B. J., Waldron, J. S., Yang, I., Fang, S., Crane, C. A., Pieper, R. O., Parsa, A. T.
2009; 20 (18): 1597-602
 - **Non-audiofacial morbidity after Gamma Knife surgery for vestibular schwannoma** *NEUROSURGICAL FOCUS*
Sughrue, M. E., Yang, I., Han, S. J., Aranda, D., Kane, A. J., Amoils, M., Smith, Z. A., Parsa, A. T.
2009; 27 (6): E4
 - **A systematic review of intracranial chondrosarcoma and survival.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Bloch, O. G., Jian, B. J., Yang, I., Han, S. J., Aranda, D., Ahn, B. J., Parsa, A. T.
2009; 16 (12): 1547-51
 - **Heat-shock protein vaccines as active immunotherapy against human gliomas.** *Expert review of anticancer therapy*
Yang, I., Han, S., Parsa, A. T.
2009; 9 (11): 1577-82
 - **Hearing preservation after stereotactic radiosurgery for vestibular schwannoma: a systematic review.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Yang, I., Aranda, D., Han, S. J., Chennupati, S., Sughrue, M. E., Cheung, S. W., Pitts, L. H., Parsa, A. T.
2009; 16 (6): 742-7
 - **Facial nerve preservation after vestibular schwannoma Gamma Knife radiosurgery.** *Journal of neuro-oncology*
Yang, I., Sughrue, M. E., Han, S. J., Fang, S., Aranda, D., Cheung, S. W., Pitts, L. H., Parsa, A. T.
2009; 93 (1): 41-8