



## David J. Park, MD, PhD, FCNS

Clinical Assistant Professor, Neurosurgery

### CLINICAL OFFICE (PRIMARY)

- **Neurosurgery**

453 Quarry Rd Rm 250B

MC 5327

Palo Alto, CA 94304

Tel (650) 723-0230      Fax (650) 724-6677

### Bio

---

#### BIO

Dr. David J. Park is a neurosurgeon specializing in neurosurgical oncology, skull base surgery, and radiosurgery. He has extensive international training and expertise in minimally invasive techniques, including Gamma Knife and CyberKnife stereotactic radiosurgery (SRS), as well as laser interstitial thermal therapy (LITT). Dr. Park completed neurosurgical clinical fellowships at leading institutions such as Seoul St. Mary's Hospital in South Korea, the National Neuroscience Institute in Singapore, Massachusetts General Hospital, North Shore University Hospital, Cleveland Clinic, and Stanford University. He is currently a Clinical Assistant Professor at Stanford University, focusing on brain tumors (neurosurgical oncology) and radiosurgery. His research interests include fluorescence-guided surgery, endoscopic minimally invasive techniques, bioengineering in medical devices, stem cell therapies for glioma, and the role of fatty acids in glioblastoma.

[Detailed Background]

Dr. David Park graduated from medical school at the Catholic University of Korea in Seoul, South Korea. He completed his internship and residency in neurosurgery at Seoul St. Mary's Hospital, becoming a board-certified neurosurgeon in South Korea in 2014. He then pursued a two-year fellowship at the same hospital, specializing in skull base surgery, with a particular focus on minimally invasive techniques such as endoscopic approaches. During his residency, he simultaneously attended graduate school and successfully defended his PhD thesis in 2015, titled "Combination therapy for gliomas using Temozolomide and Interferon-beta secreting human bone marrow-derived mesenchymal stem cells."

Following his initial two-year clinical fellowship in South Korea, Dr. Park expanded his expertise internationally, serving as a Clinical fellow at the National Neuroscience Institute in Singapore in 2016, with a focus on neurosurgical oncology, skull base surgery, and functional neurosurgery.

In 2017, he joined Dr. Christian Badr's lab at Massachusetts General Hospital, Harvard Medical School, as a postdoc research fellow. His research focused on translational studies in glioblastoma, particularly investigating the role of fatty acids and lipid metabolism in tumor progression.

During this time, Dr. Park also ventured into medical innovation, developing an intraoperative diagnostic tool for tumor detection during glioma surgery. He collaborated with bioengineers at MIT to develop a prototype and secured seed funding from the MIT Sandbox Innovation Fund Program—a project he continues to develop as an alumnus of the program.

In 2020, Dr. Park pursued a clinical fellowship in Neurosurgical Oncology and Radiosurgery at North Shore University Hospital, Zucker School of Medicine at Hofstra/Northwell, where he trained under Dr. Michael Schulder in brain tumor surgery, including advanced techniques such as LITT and SRS.

From July 2021 to June 2022, he completed an additional clinical fellowship in Neurosurgical Oncology and Radiosurgery at the Cleveland Clinic, focusing on minimally invasive neurosurgical techniques, including LITT, Gamma Knife SRS, and Awake brain tumor surgery, under the mentorship of Drs. Gene Barnett, Lilyana Angelov, and Ali Mohammadi.

In July 2022, Dr. Park joined the Department of Neurosurgery at Stanford University as a Clinical Instructor, working primarily with Dr. Steven D. Chang in neurosurgical oncology and CyberKnife SRS. As of July 2024, he has been promoted to Clinical Assistant Professor and is actively engaged in both clinical care and research.

## **CLINICAL FOCUS**

- Neurosurgery
- Brain tumor
- Radiosurgery
- Neurosurgical-oncology
- Skull base surgery
- Fluorescence-guided surgery
- Minimally invasive brain surgery
- Laser induced thermal therapy (LITT)
- Glioblastoma
- Glioma
- Meningioma
- Vestibular schwannoma
- Pituitary adenoma
- Brain metastasis
- Spine metastasis
- Arteriovenous Malformations

## **ACADEMIC APPOINTMENTS**

- Clinical Assistant Professor, Neurosurgery
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

## **HONORS AND AWARDS**

- Semi-Finalist, 2018 MIT Sloan Healthcare Innovation Prize (2018)

- Semi-Finalist, 2018 MIT \$100K Entrepreneurship Competition (2018)
- Academic Award in Brain Tumor Research & Treatment, Korean Brain Tumor Society (2016)
- Excellence in Basic Sciences Award, Korean Brain Tumor Society (2015)
- Namchun Academic Award, The Catholic University of Korea (2015)
- Namchun Academic Award, The Catholic University of Korea (2014)

## **BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS**

- California State Medical License (Physician and Surgeon), Medical Board of California (2024 - present)
- Special Faculty Permit, Medical Board of California (2022 - 2024)
- Ohio State Medical License, State Medical Board of Ohio (2021 - present)
- New York State Medical License, NYS Office of the Professions (Medicine) (2020 - present)
- United States Medical License (ECFMG Certificate), ECFMG (2019 - present)
- Singapore Medical License, Singapore Medical Council (2016 - 2017)
- Korean Neurosurgery Board, Korean Board of Neurological Surgery (2014 - present)
- Korean Medical License, Korean Board of Medical Examiners (2009 - present)

## **PROFESSIONAL EDUCATION**

- FCNS, Congress of Neurological Surgeons (CNS) , Neurosurgery (2024)
- Board Certification: Neurosurgery, Ministry of Health and Welfare of Korea (2014)
- Clinical Fellowship, Cleveland Clinic Foundation, Cleveland, OH , Neurosurgical Oncology and Radiosurgery (Gamma Knife) (2022)
- Clinical Fellowship, North Shore University Hospital, Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY , Neurosurgical Oncology and Radiosurgery (2021)
- Postdoc Research Fellowship, Massachusetts General Hospital, Harvard Medical School, Boston, MA , Neurology (Lipid metabolism and tumor microenvironment in glioma) (2018)
- Clinical Fellowship, Department of Neurosurgery, National Neuroscience Institute, Singapore , Neurosurgical Oncology and Functional Neurosurgery (2017)
- Clinical Fellowship, Seoul St. Mary's Hospital, Catholic University of Korea, Seoul, Korea , Skull Base Surgery, Neurosurgical Oncology, and Radiosurgery (CyberKnife) (2016)
- Ph.D., Graduate School of Catholic University of Korea, Seoul, Korea , Neuroscience (Neuro-oncology) (2015)
- Visiting Scholarship, Brigham and Women's Hospital, Harvard Medical School, MA , Focused Ultrasound & Tissue Bioprinting Lab (2013)
- Residency, Seoul St. Mary's Hospital, Catholic University of Korea, Seoul, Korea , Neurosurgery (2014)
- Internship, Seoul St. Mary's Hospital, Catholic University of Korea, Seoul, Korea , Medicine / Surgery (2010)
- M.D., Catholic University of Korea, Seoul, Korea , Medicine (2009)

## **PATENTS**

- David Park. "United States Patent 17/343,896 DEVICE AND METHOD FOR AN INTRAOPERATIVE CANCER DETECTOR", ORFACRORY, Inc., Feb 3, 2022
- David Park. "United States Patent 63/058,637 A METHOD OF AND DEVICE FOR AN INTRAOPERATIVE CANCER DETECTOR", ORFACTORY, Inc., Jul 30, 2020

## **LINKS**

- Stanford Healthcare Profile: <https://stanfordhealthcare.org/doctors/p/david-park.html>
- Lab page: <https://med.stanford.edu/neurosurgery/research/NeuroOncLab.html>
- LinkedIn page: <https://www.linkedin.com/in/nsdpark>

## Research & Scholarship

---

### CURRENT RESEARCH AND SCHOLARLY INTERESTS

The goal of our Laboratory is to improve patients' care and outcomes by analyzing clinical data from thousands of patients treated at our institution. Our current primary areas of interest are benign tumors, brain and spine metastases, and neurogenetic disorders.

Our lab is led by Dr. Steven D. Chang and Dr. David J. Park and proudly hosts talented young clinical scientists from around the world.

Link: <https://med.stanford.edu/neurosurgery/research/NeuroOnclab.html>

### Publications

---

#### PUBLICATIONS

- **Management of neurovascular compromise of the vestibulocochlear nerve: A systematic review and illustrative case series** *WORLD NEUROSURGERY-X*  
Ong, V., Harary, P. M., Persad, A. R., Hori, Y. S., Emrich, S. C., Ustrzynski, L., Tayag, A., Park, D. J., Chang, S. D.  
2026; 29
- **CyberKnife stereotactic radiosurgery, stereotactic radiation therapy and stereotactic body radiation therapy: Technical and clinical updates.** *Journal of radiosurgery and SBRT*  
Kattaa, A. H., Park, D. J., Pollom, E., Rahimy, E., Chang, S. D., Wang, L., Byun, J., Soltys, S. G.  
2026; 10 (1-2): 43-50
- **Genetic and Immunohistochemical Profiling of Malignant Mesothelioma With Brain Metastasis: A Report of Two Cases.** *Cancer reports (Hoboken, N.J.)*  
Harary, P. M., Hori, Y. S., Jain, R., Kattaa, A. H., Gephart, M. H., Gensheimer, M. F., Soltys, S. G., Park, D. J., Chang, S. D.  
2026; 9 (5): e70571
- **The impact of CHEK2 status on radiosurgical outcomes in breast cancer brain metastases.** *Neurosurgical review*  
Harary, P. M., Hori, Y. S., Kattaa, A. H., Tan, S. K., Lam, F. C., Kalra, N., Zagzoog, N., Tayag, A., Ustrzynski, L., Emrich, S. C., Gibbs, I. C., Li, G., Kuno, et al  
2026; 49 (1)
- **Treatment outcomes of stereotactic radiosurgery for thyroid cancer spine metastases-systematic review.** *Neurosurgical review*  
Izhar, M., Hori, Y. S., Ahmad, Z., Kattaa, A. H., Park, D. J., Chang, S. D.  
2026; 49 (1)
- **Treatment outcomes of stereotactic radiosurgery for sarcoma brain metastases-systematic review.** *Journal of neuro-oncology*  
Izhar, M., Kattaa, A. H., Hori, Y. S., Lam, F. C., Kalra, N., Zagzoog, N., Tayag, A., Ustrzynski, L., Emrich, S. C., Park, D. J., Chang, S. D.  
2026; 177 (2)
- **Stereotactic radiosurgery (SRS) for primary intradural spinal tumors: A systematic review and meta-analysis.** *Neurosurgical review*  
Nordin, E. O., Sanker, V., Heesen, P., Hariharan, S., Ciobanu-Caraus, O., Cavagnaro, M. J., Jeon, I., Park, D., Chang, S., Rattliff, J. K., Desai, A.  
2026; 49 (1)
- **Comparing laminectomy and unilateral hemilaminectomy in spinal hemangioblastoma resection: A multicenter study.** *Brain & spine*  
Wach, J., Basaran, A. E., Vychoopen, M., Tihan, T., Wostrack, M., Butenschoen, V. M., Meyer, B., Siller, S., Schmidt, N. O., Onken, J., Vajkoczy, P., Santos, A. N., Rauschenbach, et al  
2026; 6: 106004
- **Neuromodulation for treatment resistant autism: systematic review.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*  
Osama, T. A., Hori, Y. S., Vanleuven, J., Persad, A. R., Ustrzynski, L., Emrich, S. C., Tayag, A., Purger, D., Park, D. J., Chang, S. D.  
2026; 148: 111970
- **Transformer-encoded nnU-Net with local region perceptron and contrastive learning (TLC-nnUNet) for multiple brain metastasis detection and delineation.** *Physics in medicine and biology*

- Zhang, K., Szalkowski, G. A., Soltys, S., Hori, Y., Park, D. J., Timmerman, R. D., Wardak, Z., He, L., Wang, Q., Chen, M., Jiang, H., Lu, W., Gu, et al  
2026
- **Radiation therapy combined with tyrosine kinase inhibitors in 826 patients with HER2-positive breast cancer brain metastases: a systematic review and network meta-analysis.** *Neurosurgical review*  
Zare, A., Khaboushan, A. S., Mohammadzadeh, I., Mortezaei, A., Zare, A., Hajikarimloo, B., Ghalehtaki, R., Park, D. J., Chang, S. D.  
2026; 49 (1): 182
  - **Clinical and radiological outcomes of orbital metastases treated with stereotactic radiosurgery: a single-institution retrospective series and review of the literature.** *Journal of neurosurgery*  
Zamarud, A., Hori, Y. S., Kattaa, A. H., Persad, A. R., Yoo, K., Tayag, A., Ustrzynski, L., Emrich, S. C., Hancock, S. L., Park, D. J., Chang, S. D.  
2026: 1-7
  - **Artificial intelligence models in the surgical planning of low-grade gliomas: a systematic review** *FRONTIERS IN ONCOLOGY*  
Sanker, V., Venkatesan, A., Salma, A., Sp, A., Li, Z., Heesen, P., Park, C., Park, D. J., Desai, A.  
2026; 15
  - **Surgical resection versus stereotactic radiosurgery for succinate dehydrogenase-related hereditary head and neck paragangliomas.** *Journal of neuro-oncology*  
Harary, P. M., Hori, Y. S., Lam, F. C., Abu-Reesh, D., Emrich, S. C., Tayag, A., Ustrzynski, L., Alyono, J., Holsinger, F. C., Dodd, R. L., Gibbs, I. C., Li, G., Park, et al  
2026; 176 (2): 168
  - **Artificial intelligence (AI) uses in stereotactic radiosurgery (SRS): outcome prediction with brain metastasis (BM) - A systematic review.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*  
Desai, S. P., Hori, Y. S., Kattaa, A. H., Izhar, M., Lam, F. C., Abu Reesh, D., Tayag, A., Ustrzynski, L., Emrich, S. C., Gu, X., Park, D. J., Chang, S. D.  
2026; 145: 111854
  - **CyberKnife stereotactic radiosurgery, stereotactic radiation therapy and stereotactic body radiation therapy: Technical and clinical updates** *JOURNAL OF RADIOSURGERY AND SBRT*  
Kattaa, A. H., Park, D. J., Pollom, E., Rahimy, E., Chang, S. D., Wang, L., Byun, J., Soltys, S. G.  
2026; 10 (1): 43-50
  - **Association of plasma homocysteine levels with the presence of intracranial aneurysms and the risk of rupture: A systematic review and meta-analysis.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*  
Akhavan-Sigari, A., Olson, V., Pachón-Londoño, M. J., Moussalem, C. K., Wang, Z., Park, D. J., Krishna, C., Chang, S. D., Meyer, F. B., Bendok, B. R.  
2025; 145: 111830
  - **Hepatoblastoma brain metastasis treated with stereotactic radiosurgery: Illustrative case and literature search.** *Surgical neurology international*  
Izhar, M., Kattaa, A. H., Hori, Y. S., Lam, F. C., Tayag, A., Ustrzynski, L., Emrich, S. C., Gibbs, I. C., Park, D. J., Chang, S. D.  
2025; 16: 526
  - **Prognostic relevance of MIB-1 labeling index in VHL-associated and sporadic spinal hemangioblastomas: a subgroup analysis from a multicentric study.** *Acta neuropathologica communications*  
Wach, J., Basaran, A. E., Alhalabi, O. T., Beck, J., Butenschoen, V. M., Chang, S. D., Czabanka, M., Czernicki, T., Dammann, P., Doria-Medina, R., Eicker, S. O., Barrantes-Freer, A., Gizaw, et al  
2025
  - **Radiosurgical management of pathology-proven low-grade glioma: a systematic review across the pre- and post-molecular classification era.** *Journal of neurosurgical sciences*  
Mizutani, Y., Hori, Y. S., Harary, P. M., Annagiri, S., Jain, R., Liu, J., Izhar, M., Reesh, D. A., Lam, F. C., Emrich, S. C., Ustrzynski, L., Tayag, A., Park, et al  
2025
  - **Enhancing radiation sensitivity in malignant brain tumors with chloroquine: a systematic review.** *Journal of neuro-oncology*  
Harary, P. M., Hori, Y. S., Annagiri, S., Abe, K., Tatekoshi, Y., Hosoda, R., Saga, Y., Park, D. J., Kuno, A., Chang, S. D.  
2025; 176 (1): 106
  - **Efficacy and Safety of CyberKnife Stereotactic Radiosurgery for Occipital Condyle Metastasis** *NEUROSURGERY PRACTICE*

- Park, D. J., Voruganti, H., Annagiri, S., Shaghaghian, E., Hori, Y. S., Persad, A. R., Yoo, K. H., Abu-Reesh, D., Lam, F. C., Tayag, A., Ustrzynski, L., Emrich, S. C., Han, et al  
2025; 6 (4)
- **Efficacy and Safety of CyberKnife Stereotactic Radiosurgery for Occipital Condyle Metastasis.** *Neurosurgery practice*  
Park, D. J., Voruganti, H., Annagiri, S., Shaghaghian, E., Hori, Y. S., Persad, A. R., Yoo, K. H., Abu-Reesh, D., Lam, F. C., Tayag, A., Ustrzynski, L., Emrich, S. C., Han, et al  
2025; 6 (4): e000169
  - **Stereotactic radiosurgery for craniopharyngioma: a systematic review and meta-analysis.** *Neurosurgical review*  
Fathollahi, M. A., Soltani Khaboushan, A., Iranmehr, A., Dabbagh Ohadi, M. A., Park, D. J., Chang, S. D.  
2025; 49 (1): 2
  - **Treatment outcomes of cerebral arteriovenous malformations in patients with Hereditary hemorrhagic Telangiectasia: A case series from a Single-Center experience.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*  
Izhar, M., Al Gharyani, M. F., Hori, Y. S., Kattaa, A. H., Lam, F. C., Kalra, N., Zagzoog, N., Tayag, A., Ustrzynski, L., Emrich, S. C., Park, D. J., Chang, S. D.  
2025; 143: 111750
  - **Radiotherapeutic Strategies and Advances in the Management of Pituitary Adenomas.** *Neuroendocrinology*  
Almeida, N. D., Zhang, J. F., Cheruvu, H. K., Shen, D., Shekher, R., Goulenko, V., Madhugiri, V. S., Algattas, H., Park, D. J., Wang, T. J., Prasad, D.  
2025: 1-8
  - **Stereotactic radiosurgery (SRS) for primary spinal bone tumors: a systematic review and meta-analysis.** *Neurosurgical review*  
Nordin, E. O., Sanker, V., Heesen, P., Dravid, A., Hariharan, S., Ciobanu-Caraus, O., Cavagnaro, M. J., Jeon, I., Park, D., Chang, S., Ratliff, J. K., Desai, A.  
2025; 48 (1): 760
  - **Peripheral neural crest tumor brain metastases management: a single-institution retrospective study.** *Journal of neuro-oncology*  
Kattaa, A. H., Persad, A. R., Hori, Y. S., Harary, P. M., Izhar, M., Ustrzynski, L., Emrich, S. C., Tayag, A., Hiniker, S. M., Park, D. J., Chang, S. D.  
2025; 176 (1): 65
  - **Initial Clinical Outcomes in the Treatment of Brain Metastasis With Gyroscopic Radiosurgery at a Single Institution.** *Cureus*  
McCleary, T. L., Marianayagam, N. J., Yuan, L., Yoo, K. H., Sekar, V., Persad, A., Park, D. J., Meola, A., Klassen, P. D., Chang, S. D.  
2025; 17 (11): e97282
  - **STEREOTACTIC RADIOSURGERY AND IMMUNOTHERAPY FOR BRAIN METASTASES SECONDARY TO RENAL CELL CARCINOMA**  
Wang, J., Yoo, K., Park, D., Chang, S.  
OXFORD UNIV PRESS INC.2025: v114
  - **Treatment outcomes for hypoglossal schwannomas: insights from a single-institution experience and literature review.** *Journal of neurosurgery*  
Kattaa, A. H., Park, D. J., Persad, A. R., Hori, Y. S., Kassu, R. A., Nasta, S. R., Voruganti, H., Akhavan-Sigari, A., Lam, F. C., AbuReesh, D., Han, S. S., Emrich, S. C., Ustrzynski, et al  
2025: 1-11
  - **Characterizing the Microenvironment of Cerebral Arteriovenous Malformations to Test Novel Treatment Modalities.** *Brain sciences*  
Wazhi, K., Lam, F. C., Guru, S., Hori, Y. S., AbuReesh, D., Shoemaker, L., Park, D. J., Chang, S. D.  
2025; 15 (11)
  - **Stereotactic radiosurgery for hepatitis C virus-related hepatocellular carcinoma brain metastasis: A retrospective analysis and systematic review** *WORLD NEUROSURGERY-X*  
Izhar, M., Hori, Y. S., Kattaa, A. H., Lam, F. C., Kalra, N., Zagzoog, N., Tayag, A., Ustrzynski, L., Emrich, S. C., Pollom, E. L., Soltys, S. G., Gephart, M., Park, et al  
2025; 28
  - **Current State-of-the-Art Animal Models of Pediatric Brain Tumors.** *Brain sciences*  
Gudavalli, T., Lam, F. C., Guru, S., AbuReesh, D., Hori, Y. S., Hiniker, S., Park, D. J., Chang, S. D.  
2025; 15 (10)
  - **Morphological Variability of Dural Venous Sinus Grooves and Internal Bony Findings: Clinical and Surgical Considerations** *JOURNAL OF NEUROLOGICAL SURGERY PART B-SKULL BASE*

- Cardona, J. J., Park, D. J., Chang, S. D., Iwanaga, J., Tubbs, R.  
2025
- **Functional Outcome After Initial and Multiple Intracerebral Hemorrhage in Patients With a Brainstem Cavernous Malformation: An International Multicenter Collaboration.** *Neurosurgery*  
Wipplinger, C., Santos, A. N., Park, D. J., Hori, Y. S., Rauschenbach, L., Dinger, T. F., Engel, A., Li, Y., Piedade, G. S., Moussalem, C., Schmidt, B., Wipplinger, T. M., Siegel, et al  
2025
  - **Optimizing patient positioning for exoscopic cranial surgery.** *Neurosurgical focus: Video*  
Harary, P. M., Park, D. J., Chang, S. D., Schulder, M.  
2025; 13 (2): V20
  - **Stereotactic radiosurgery for brain metastases from non-uterine Leiomyosarcoma: A retrospective case series** *WORLD NEUROSURGERY-X*  
Cardona, J. J., Hori, Y. S., Kattaa, A. H., Harary, P. M., Lam, F. C., Abu-Reesh, D., Ustrzynski, L., Emrich, S. C., Tayag, A., Hayden-Gephart, M., Park, D. J., Chang, S. D.  
2025; 28
  - **Repeat stereotactic radiosurgery for treatment of brain metastases locally recurrent following initial radiosurgery.** *Journal of neuro-oncology*  
Hall, J. C., Goel, K., Lozko, Y., Chang, S. D., Park, D. J., Hori, Y. S., Lam, F. C., AbuReesh, D., Jackson, S., Li, G., Hayden-Gephart, M., Kaneko, T., Nagpal, et al  
2025
  - **Stereotactic radiosurgery for brain metastases from extra-renal clear cell carcinoma: A series of four patients and review of the literature.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*  
Harary, P. M., Hori, Y. S., Kattaa, A. H., Lam, F. C., Abu-Reesh, D., Emrich, S. C., Tayag, A., Ustrzynski, L., Pollom, E. L., Park, D. J., Gephart, M. H., Chang, S. D.  
2025; 141: 111602
  - **A Comparison of Whole-Brain Dose During Stereotactic Radiosurgery for Multiple Metastases Across Technology Platforms.** *Cureus*  
Marianayagam, N. J., Wang, Z., Gutierrez, A. N., Wiecezorek, D. J., Paddick, I., Hori, Y. S., Park, D. J., Chang, S. D., Key, S., Weidlich, G. A., Adler, J.  
2025; 17 (9): e92442
  - **Global Growth and Distribution of CyberKnife Stereotactic Radiosurgery: A Bibliometric Analysis.** *Neurosurgery practice*  
Annagiri, S., Hori, Y. S., Persad, A. R., Ustrzynski, L., Emrich, S. C., Tayag, A., Park, D. J., Adler, J. R., Chang, S. D.  
2025; 6 (3): e000150
  - **Global Growth and Distribution of CyberKnife Stereotactic Radiosurgery: A Bibliometric Analysis** *NEUROSURGERY PRACTICE*  
Annagiri, S., Hori, Y. S., Persad, A. R. L., Ustrzynski, L., Emrich, S. C., Tayag, A., Park, D. J., Adler, J. R., Chang, S. D.  
2025; 6 (3)
  - **Adenoid cystic carcinoma brain metastases treated with stereotactic radiosurgery: A single institution retrospective cohort study and comprehensive literature review.** *Neurosurgical review*  
Kattaa, A. H., Hori, Y. S., Harary, P. M., Akhavan-Sigari, A., Zamarud, A., Persad, A. R., Tayag, A., Ustrzynski, L., Emrich, S. C., Park, D. J., Chang, S. D.  
2025; 48 (1): 618
  - **Stereotactic Radiosurgery for Recurrent Meningioma: A Systematic Review of Risk Factors and Management Approaches.** *Cancers*  
Mizutani, Y., Hori, Y. S., Harary, P. M., Lam, F. C., Reesh, D. A., Emrich, S. C., Ustrzynski, L., Tayag, A., Park, D. J., Chang, S. D.  
2025; 17 (17)
  - **Stereotactic radiosurgery for intracranial and spinal adenoid cystic carcinoma: systematic review and illustrative case presentation.** *Journal of neuro-oncology*  
Cardona, J. J., Park, D. J., Al Gharyani, M. F., Wang, J. Y., Hori, Y. S., Lam, F. C., Abu-Reesh, D., Ustrzynski, L., Emrich, S. C., Tayag, A., Li, G., Gephart, M. H., Chang, et al  
2025
  - **Nucleus Accumbens: A Therapeutic Target for Radiomodulation for the Treatment of Alcohol Use Disorder.** *Cureus*  
Amurthur, R., Marianayagam, N. J., Park, D. J., Chang, S. D., Schneider, M. B., Adler, J.  
2025; 17 (7): e88314

- **Comparative Analysis Between Cortical Bone Trajectory (CBT) Screw Fixation and Traditional Pedicle Screw Fixation in Lumbar Spine Surgery: A Systematic Review and Meta-Analysis.** *Cureus*  
Sanker, V., Badary, A., Asad, A., Buccilli, B., Kattaa, A. H., Park, D. J., Chang, S. D., Desai, A., Singh, H.  
2025; 17 (7): e87944
- **Exoscope-Assisted Spine Surgery: A Systematic Review From Basic to Complex Pathologies.** *Cureus*  
Sanker, V., Dv, V. K., Dawer, P., Dave, T., Banjan, T., Kattaa, A. H., Cavagnaro, M. J., Park, D. J., Chang, S. D., Zygorakis, C. C., Desai, A., Singh, H.  
2025; 17 (7): e88450
- **Perilesional Edema as a Predictor of Local Failure in Metastatic Brain Lesions Treated with Stereotactic Radiosurgery: A Systematic Review and Meta-Analysis: Perilesional Edema and Local Failure.** *International journal of radiation oncology, biology, physics*  
Akhavan-Sigari, A., Sbaih, O., Hori, Y. S., Mathieu, D., Byun, J., Pollom, E. L., Soltys, S. G., Park, D. J., Chang, S. D.  
2025
- **Vertebral fracture following primary stereotactic body radiation therapy for spinal bone metastases: a decade of experience.** *Journal of neurosurgery. Spine*  
Chou, K. N., Park, D. J., Sanker, V., Ye, X., Hori, Y. S., Persad, A. R., Chuang, C., Emrich, S. C., Ustrzynski, L. P., Tayag, A., Kumar, K. A., Usoz, M., Mendoza, et al  
2025: 1-11
- **Radiosensitizers in Cancer Therapy: A Global Bibliometric Analysis.** *bioRxiv : the preprint server for biology*  
Annagiri, S., Harary, P. M., Hori, Y. S., Lam, F. C., AbuReesh, D., Tayag, A., Ustrzynski, L., Emrich, S. C., Chang, S. D., Park, D. J.  
2025
- **Understanding the Radiobiology of Central Nervous System Diseases in the Golden Age of Radiosurgery-Does It Matter?** *Brain sciences*  
Lam, F. C., Byun, J., Guru, S., AbuReesh, D., Hori, Y. S., Rahimy, E., Pollom, E. L., Soltys, S., Park, D. J., Chang, S. D.  
2025; 15 (6)
- **Radiosurgical management of SDHx-related paraganglioma.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*  
Harary, P. M., Hori, Y. S., Zamarud, A., Lam, F. C., Abu-Reesh, D., Emrich, S. C., Tayag, A., Ustrzynski, L., Pollom, E. L., Soltys, S. G., Li, G., Park, D. J., Chang, et al  
2025; 138: 111387
- **Male Breast Cancer Brain Metastases: Genetic Profiles and Radiosurgery Outcomes** *NEUROSURGERY PRACTICE*  
Hori, Y. S., Harary, P. M., Zamarud, A., Kattaa, A. H., Persad, A. R. L., Tayag, A., Ustrzynski, L., Emrich, S. C., Park, D. J., Li, G., Chang, S. D.  
2025; 6 (2)
- **Male Breast Cancer Brain Metastases: Genetic Profiles and Radiosurgery Outcomes.** *Neurosurgery practice*  
Hori, Y. S., Harary, P. M., Zamarud, A., Kattaa, A. H., Persad, A. R., Tayag, A., Ustrzynski, L., Emrich, S. C., Park, D. J., Li, G., Chang, S. D.  
2025; 6 (2): e00141
- **Cumulative in-hospital radiation dose in patients with acute ruptured intracranial aneurysm: a comparative analysis evaluating the effect of radiation dose reducing efforts.** *Journal of neurointerventional surgery*  
Shin, I., Seo, M., Lee, J. Y., Jang, J., Ahn, K. J., Cho, W. C., Park, D. J., Shin, Y. S., Choi, J. H., Kim, B. S.  
2025
- **Integrated management of metastatic spinal tumors: current status and future directions.** *Medical oncology (Northwood, London, England)*  
Kim, M. J., Marianayagam, N. J., Chandra, A., Ranalli, C., Schonfeld, E., Avila-Madrigal, J. P., Flusche, A. M., Schoeffler, K., Alomari, S., Rao, N. B., Yoo, K., Lam, F. C., Park, et al  
2025; 42 (6): 210
- **Paired molecular profiling of malignant transformation of an epidermoid cyst for potential genetic drivers: illustrative case.** *Journal of neurosurgery. Case lessons*  
Harary, P. M., Hori, Y. S., Kassu, R., Persad, A. R., Tayag, A., Ustrzynski, L., Emrich, S. C., Gibbs, I. C., Park, D. J., Chang, S. D., Fernandez-Miranda, J. C.  
2025; 9 (18)
- **Efficacy and Safety of Donut-Shaped Circumferential Spine CyberKnife Stereotactic Body Radiotherapy for Metastatic Spine Disease.** *Neurosurgery*

- Park, D. J., Lee, I., Annagiri, S., Chou, K. N., Zamarud, A., Akhavan-Sigari, A., Hori, Y. S., Persad, A. R., Abu-Reesh, D., Lam, F. C., Tayag, A., Ustrzynski, L., Emrich, et al  
2025
- **Stereotactic radiosurgery for treatment resistant depression: Systematic review** *WORLD NEUROSURGERY-X*  
Vanleuven, J., Hori, Y. S., Osama, T., Harary, P. M., Lui, A., Persad, A. R., Tayag, A., Emrich, S. C., Ustrzynski, L., Purger, D., Park, D. J., Chang, S. D.  
2025; 26
  - **Stereotactic radiosurgery for brain metastases secondary to adrenal ganglioneuroblastoma: illustrative case.** *Journal of neurosurgery. Case lessons*  
Cardona, J. J., Hori, Y. S., Harary, P. M., Persad, A. R., Ustrzynski, L., Emrich, S. C., Tayag, A., Park, D. J., Chang, S. D.  
2025; 9 (12)
  - **Isolated unilateral hypoglossal nerve palsy due to an atlanto-occipital juxta-articular cyst: illustrative case.** *Journal of neurosurgery. Case lessons*  
Nasta, S. R., Persad, A. R., Hori, Y. S., Lam, F. C., Abu-Reesh, D., Tayag, A., Ustrzynski, L., Emrich, S. C., Dillon, W. P., El-Sayed, I. H., Chang, S. D., Park, D. J.  
2025; 9 (12)
  - **Stereotactic Radiosurgery and Surgical Resection for Jugular Foramen Schwannomas: A Retrospective Comparative Study of Outcomes.** *Operative neurosurgery (Hagerstown, Md.)*  
Akhavan-Sigari, A., Park, D. J., Kattaa, A. H., Hori, Y. S., Persad, A. R., AbuReesh, D., Lam, F. C., Emrich, S. C., Ustrzynski, L., Tayag, A., Chang, S. D.  
2025
  - **Nervus intermedius sectioning for the treatment of geniculate neuralgia.** *Journal of neurosurgery*  
Ren, A. L., Ehsani, A., Park, D. J., Persad, A. R., Wu, J. Y., Hall, J. C., Zhang, M., Choi, J., Kim, L. H., Xu, R., Chang, S. D., Lim, M.  
2025: 1-8
  - **Letter to the Editor: Mentorship has no boundary.** *World neurosurgery*  
Neupane, D., Park, D. J., Chang, S. D.  
2025: 123891
  - **The spectrum of radiation therapy options for craniopharyngioma: a systematic review.** *Journal of neuro-oncology*  
Harary, P. M., Rajaram, S., Hori, Y. S., Park, D. J., Chang, S. D.  
2025
  - **Primary Stereotactic Body Radiation Therapy for Breast Cancer Spinal Metastases.** *Clinical breast cancer*  
Chou, K. N., Park, D. J., Hori, Y. S., Emrich, S. C., Ustrzynski, L., Tayag, A., Chuang, C., Pollom, E., Lo, C. H., Chang, S. D.  
2025
  - **Use of Carbon Fiber Implants to Improve the Safety and Efficacy of Radiation Therapy for Spine Tumor Patients.** *Brain sciences*  
Lam, F. C., Guru, S., AbuReesh, D., Hori, Y. S., Chuang, C., Liu, L., Wang, L., Gu, X., Szalkowski, G. A., Wang, Z., Wohlers, C., Tayag, A., Emrich, et al  
2025; 15 (2)
  - **Local tumor control and neurological outcomes after surgery for spinal hemangioblastomas in sporadic and Von-Hippel-Lindau Disease: A multicenter study.** *Neuro-oncology*  
Wach, J., Basaran, A. E., Vychopen, M., Tihan, T., Wostrack, M., Butenschoen, V. M., Meyer, B., Siller, S., Schmidt, N. O., Onken, J., Vajkoczy, P., Santos, A. N., Rauschenbach, et al  
2025
  - **Coexisting sellar Rathke cleft cyst and planum sphenoidale meningioma: illustrative case.** *Journal of neurosurgery. Case lessons*  
Akhavan-Sigari, A., Park, D. J., Harary, P. M., Chivakula, M., Theodros, D., Bharani, K. L., Hori, Y. S., Persad, A. R., Lam, F. C., Emrich, S. C., Ustrzynski, L., Tayag, A., Chang, et al  
2025; 9 (3)
  - **Artificial intelligence models in the surgical planning of low-grade gliomas: a systematic review.** *Frontiers in oncology*  
Sanker, V., Venkatesan, A., Salma, A., Sp, A., Li, Z., Heesen, P., Park, C., Park, D. J., Desai, A.  
2025; 15: 1672289

- **Aggressive Primary Cutaneous Apocrine Carcinoma of the Scalp: A Clinical Case Report.** *Cureus*  
Shaghaghian, E., Park, D. J., Bharani, K. L., Sen, S. K., Chang, S. D.  
2025; 17 (1): e77444
- **Genomic predictors of radiation response: recent progress towards personalized radiotherapy for brain metastases.** *Cell death discovery*  
Harary, P. M., Rajaram, S., Chen, M. S., Hori, Y. S., Park, D. J., Chang, S. D.  
2024; 10 (1): 501
- **Deep learning-based overall survival prediction in patients with glioblastoma: An automatic end-to-end workflow using pre-resection basic structural multiparametric MRIs.** *Computers in biology and medicine*  
Yang, Z., Zamarud, A., Marianayagam, N. J., Park, D. J., Yener, U., Soltys, S. G., Chang, S. D., Meola, A., Jiang, H., Lu, W., Gu, X.  
2024; 185: 109436
- **"Beyond the Knife"-Applying Theranostic Technologies to Enhance Outcomes in Neurosurgical Oncology** *BRAIN SCIENCES*  
Guru, S., Lam, F. C., Akhavan-Sigari, A., Hori, Y. S., Abureesh, D., Tayag, A., Emrich, S. C., Ustrzynski, L., Park, D. J., Chang, S. D.  
2024; 14 (12)
- **Ultrasound mediated blood-brain barrier opening increases brain tumor biomarkers: A review of preclinical and clinical trials.** *The journal of liquid biopsy*  
Izhar, M., Thakur, A., Park, D. J., Chang, S. D.  
2024; 6: 100277
- **Stereotactic radiosurgery for pancreatic neuroendocrine tumor brain Metastases: Systematic review and Illustrative case presentation.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*  
Harary, P. M., Hori, Y. S., Annagiri, S., Akhavan-Sigari, A., Persad, A. R., Ustrzynski, L., Emrich, S. C., Tayag, A., Park, D. J., Chang, S. D.  
2024; 130: 110927
- **Stereotactic Radiosurgery for Choriocarcinoma Brain Metastases: Illustrative Case Presentation and Systematic Review.** *World neurosurgery*  
Akhavan-Sigari, A., Hori, Y. S., Harary, P. M., Persad, A. R., Kassu, R., Tayag, A., Ustrzynski, L., Emrich, S. C., Park, D. J., Chang, S. D.  
2024
- **Primary Stereotactic Body Radiotherapy for Spinal Bone Metastases From Lung Adenocarcinoma** *CLINICAL LUNG CANCER*  
Chou, K., Park, D. J., Hori, Y. S., Persad, A. R., Chuang, C., Emrich, S. C., Ustrzynski, L., Tayag, A., Kumar, K., Usoz, M., Mendoza, M., Rahimy, E., Pollom, et al  
2024; 25 (7): e337-e347
- **Stereotactic Radiosurgery for Spinal Metastases with Gastrointestinal Histology vs. Other Radioresistant Histologies**  
Pratapneni, A., Klebaner, D., Jaoude, J. A., Kollipara, T., Kumar, K. A., Rahimy, E., Gibbs, I. C., Mendoza, M. G., Persad, A., Hori, Y., Park, D., Chang, S. D., Chou, et al  
ELSEVIER SCIENCE INC.2024: E395
- **A Deep Learning-Driven Framework for Large Language Model -Assisted Automatic Target Volume Localization and Delineation for Enhancing Spinal Metastases Stereotactic Body Radiotherapy Workflow**  
Yang, Z., Kazemimoghadam, M., Wang, L., Szalkowski, G. A., Chuang, C. F., Liu, L., Soltys, S. G., Pollom, E., Rahimy, E., Jiang, H., Park, D., Persad, A., Hori, et al  
ELSEVIER SCIENCE INC.2024: S61-S62
- **Stereotactic Radiosurgery for Newly Diagnosed and Recurrent Chordomas of the Skull Base and Spine**  
Ho, J., Klebaner, D., Mendoza, M., Fujimoto, D. K., Turner, B. E., Pollom, E., Gibbs, I. C., Chang, S. D., Dodd, R. L., Park, D., Kattaa, A., Persad, A., Hori, et al  
ELSEVIER SCIENCE INC.2024: E237
- **Local Failure after Radiosurgery for Spinal Metastases with Epidural Spinal Cord Compression**  
Kollipara, T., Klebaner, D., Jaoude, J. A., Pratapneni, A., Gibbs, I. C., Pollom, E., Rahimy, E., Kumar, K. A., Mendoza, M., Persad, A., Hori, Y., Park, D., Chang, et al  
ELSEVIER SCIENCE INC.2024: E247
- **Treatment Patterns and Outcomes for Colorectal Cancer Spine Metastases Treated with SRS**  
Klebaner, D., Jaoude, J. A., Pratapneni, A., Chang, S. D., Gibbs, I. C., Kollipara, T., Kumar, K. A., Rahimy, E., Park, D., Fujimoto, D. K., Mendoza, M., Persad, A., Soltys, et al

ELSEVIER SCIENCE INC.2024: E244-E245

- **Repeat Stereotactic Radiosurgery in Patients with Spinal Metastases Recurrent Following Initial Radiosurgery**  
Jaoude, J., Chuang, C. F., Klebaner, D., Pratapneni, A., Kollipara, T., Kumar, K. A., Fujimoto, D. K., Mendoza, M. G., Park, D., Persad, A., Hori, Y., Rahimy, E., Gibbs, et al  
ELSEVIER SCIENCE INC.2024: E212-E213
- **Stereotactic Radiosurgery for World Health Organization Grade 2 and 3 Oligodendroglioma: An International Multicenter Study.** *Neurosurgery*  
Langlois, A. M., Iorio-Morin, C., Kallos, J., Niranjana, A., Lunsford, L. D., Peker, S., Samanci, Y., Park, D. J., Barnett, G. H., Liscak, R., Simonova, G., Pikis, S., Mantziaris, et al  
2024
- **KEAP1-mutant atypical meningioma: illustrative case.** *Journal of neurosurgery. Case lessons*  
Harary, P. M., Hori, Y. S., Persad, A. R., Tayag, A., Ustrzynski, L., Emrich, S. C., Rahimy, E., Park, D. J., Li, G., Chang, S. D.  
2024; 8 (11)
- **Letter to the Editor Regarding "The Artificial Intelligence Revolution in Stroke Care: A Decade of Scientific Evidence in Review".** *World neurosurgery*  
Alsir F Osama, T., Vanleuven, J., Park, D. J.  
2024; 189: 507-508
- **Bilateral Multiple Orbital Metastases Successfully Treated with Standalone Stereotactic Radiosurgery: Clinical Image.** *World neurosurgery*  
Hori, Y. S., Park, D. J., Chang, S. D.  
2024
- **Stereotactic body radiotherapy for painful spinal metastases: a decade of experience at a single institution.** *Journal of neurosurgery. Spine*  
Chou, K. N., Park, D. J., Hori, Y. S., Persad, A. R., Chuang, C. F., Emrich, S. C., Ustrzynski, L., Tayag, A., Kumar, K. A., Usoz, M., Mendoza, M., Rahimy, E., Pollom, et al  
2024: 1-9
- **Cervicomedullary cavernous malformation of the C1 nerve root: illustrative case.** *Journal of neurosurgery. Case lessons*  
Zhang, Y., Yuan, L., Marianayagam, N. J., Kumar, K. K., Fatemi, P., Park, D. J., Chang, S. D.  
2024; 8 (5)
- **Stereotactic Radiosurgery for Residual, Recurrent, and Metastatic Hemangiopericytomas: A Single-Institution Retrospective Experience.** *Neurosurgery*  
Yoo, K. H., Park, D. J., Veeravagu, A., Persad, A., Lee, M., Marianayagam, N. J., Zamarud, A., Gu, X., Pollom, E. L., Soltys, S. G., Meola, A., Chang, S. D.  
2024
- **Recurrent choroid plexus carcinoma treated with CyberKnife radiosurgery: illustrative case.** *Journal of neurosurgery. Case lessons*  
Yuan, L., Park, D. J., Persad, A. R., Hori, Y. S., Tayag, A., Ustrzynski, L., Emrich, S. C., Chang, S. D.  
2024; 8 (2)
- **The Role of CyberKnife Stereotactic Radiosurgery in Recurrent Cranial Medulloblastomas across Pediatric and Adult Populations.** *Journal of clinical medicine*  
Yoo, K. H., Marianayagam, N. J., Park, D. J., Zamarud, A., Gu, X., Pollom, E., Soltys, S. G., Meola, A., Chang, S. D.  
2024; 13 (12)
- **Stereotactic radiosurgery for facial nerve hemangioma: Case report and systematic review.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*  
Park, D. J., Hori, Y. S., Nernekli, K., Persad, A. R., Tayag, A., Ustrzynski, L., Emrich, S. C., Hancock, S. L., Chang, S. D.  
2024; 126: 21-25
- **Automatic Segmentation of Vestibular Schwannomas: A Systematic Review** *WORLD NEUROSURGERY*  
Nernekli, K., Persad, A. R., Hori, Y. S., Yener, U., Celtikci, E., Sahin, M., Sozer, A., Sozer, B., Park, D. J., Chang, S. D.  
2024; 188
- **Primary Stereotactic Body Radiotherapy for Spinal Bone Metastases From Lung Adenocarcinoma.** *Clinical lung cancer*  
Chou, K. N., Park, D. J., Hori, Y. S., Persad, A. R., Chuang, C., Emrich, S. C., Ustrzynski, L., Tayag, A., Kumar, K., Usoz, M., Mendoza, M., Rahimy, E., Pollom, et al

2024

- **Stereotactic Radiosurgery for Ependymoma in Pediatric and Adult Patients: A Single-Institution Experience.** *Neurosurgery*  
Yoo, K. H., Marianayagam, N. J., Park, D. J., Persad, A., Zamarud, A., Shaghaghian, E., Tayag, A., Ustrzynski, L., Emrich, S. C., Gu, X., Ho, Q. A., Soltys, S. G., Meola, et al  
2024
- **CyberKnife stereotactic radiosurgery for extramedullary plasmacytoma in the external auditory canal: illustrative case.** *Journal of neurosurgery. Case lessons*  
Patil, S., Shaghaghian, E., Yuan, L., Shah, A., Marianayagam, N. J., Park, D. J., Soltys, S. G., Veeravagu, A., Gibbs, I. C., Li, G., Chang, S. D.  
2024; 7 (19)
- **Automatic Segmentation of Vestibular Schwannomas: A Systematic Review.** *World neurosurgery*  
Nernekli, K., Persad, A. R., Hori, Y. S., Yener, U., Celtikci, E., Sahin, M. C., Sozer, A., Sozer, B., Park, D. J., Chang, S. D.  
2024
- **Percutaneous Disc Biopsy versus Bone Biopsy for the Identification of Infectious Agents in Osteomyelitis/Discitis.** *Journal of vascular and interventional radiology : JVIR*  
Zamarud, A., Kesten, J., Park, D. J., Pulli, B., Telischak, N. A., Dodd, R. L., Do, H. M., Marks, M. P., Heit, J. J.  
2024
- **Dosimetric Comparison of Dedicated Radiosurgery Platforms for the Treatment of Essential Tremor: Technical Report.** *Cureus*  
Marianayagam, N. J., Paddick, I., Persad, A. R., Hori, Y. S., Maslowski, A., Thirunarayanan, I., Khanna, A. R., Park, D. J., Buch, V., Chang, S. D., Schneider, M. B., Yu, H., Weidlich, et al  
2024; 16 (4): e57452
- **Therapeutic approaches for spinal synovial sarcoma: a comprehensive review of the literature.** *Journal of neurosurgery. Spine*  
Zamarud, A., Shahnoor, S., Maryyum, A., Khan, A. M., Hassan, K. M., Ijaz, A., Sayed, R., Yoo, K., Park, D. J., Chang, S. D.  
2024: 1-8
- **Treatment of Trigeminal Neuralgia Secondary to Petroclival Meningioma Using Microsurgical Resection, Microvascular Decompression, and Stereotactic Radiosurgery: 2-Dimensional Operative Video.** *Operative neurosurgery (Hagerstown, Md.)*  
Park, D. J., Kumar, K. K., Marianayagam, N. J., Yener, U., Rahimy, E., Hancock, S., Meola, A., Chang, S. D.  
2024; 26 (1): 107-108
- **Stereotactic Radiosurgery for Brain Metastases Secondary to Peripheral Neural Crest Tumors: A Single Institution Retrospective Experience.**  
Kattaa, A. H., Persad, A. R., Park, D. J., Hori, Y. S., Emrich, S. C., Ustrzynski, L., Tayag, A., Gu, X., Rahimy, E., Pollom, E. L., Soltys, S. G., Chang, S. D.  
2024
- **Stereotactic Radiosurgery for Adenoid Cystic Carcinoma Brain Metastases: A Single Institution Retrospective Study.**  
Kattaa, A. H., Hori, Y. S., Akhavan-Sigari, A., Persad, A. R., Tayag, A., Ustrzynski, L., Emrich, S. C., Park, D. J., Chang, S. D.  
2024
- **Clinical and Radiological Outcomes of Orbital Metastases Treated with Stereotactic Radiosurgery: A Single Institution Retrospective Series.**  
Zamarud, A., Hori, Y. S., Kattaa, A. H., Persad, A. R., Tayag, A., Ustrzynski, L., Emrich, S. C., Soltys, S. G., Hancock, S. L., Park, D. J., Chang, S. D.  
2024
- **Optimizing Patient Outcomes in Petroclival Meningioma Treatment: Evaluating Surgical, Radiosurgical, Radiotherapy and Combined Treatment Approaches.**  
Nasta, S., Persad, A. R., Shaghaghian, E., Hori, Y. S., Emrich, S. C., Ustrzynski, L., Tayag, A., Park, D. J., Chang, S. D.  
2024
- **Belzutifan Reduction of Cerebral Blood Flow in VHL-Associated Hemangioblastoma Predicts Response to Treatment.**  
Persad, A. R., Yagmurlu, A. B., Park, D. J., Zamarud, A., Huang, Y., Hori, Y. S., Chang, S. D., Iv, M.  
2024
- **Stereotactic Radiosurgery for Cranial Nerve Metastases: A Single Institution Experience.**  
Persad, A. R., Shahsavari, N., Ahmad, M., McCleary, T., Park, D. J., Hori, Y. S., Emrich, S. C., Ustrzynski, L., Tayag, A., Gu, X., Rahimy, E., Pollom, E. L., Soltys, et al

2024

- **Comparative Analysis of Ventriculoperitoneal Shunt Placement for Post-Treatment Hydrocephalus following Vestibular Schwannoma Management: Surgical Intervention versus Stereotactic Radiosurgery.**  
Akhavan-Sigari, A., Persad, A. R., Kattaa, A. H., Hori, Y. S., Emrich, S. C., Ustrzynski, L., Tayag, A., Park, D. J., Chang, S. D.  
2024
- **Stereotactic radiosurgery and surgical resection for jugular foramen schwannomas: A retrospective comparative study of outcomes**  
Akhavan-Sigari, A., Park, D. J., Hori, Y. S., Persad, A. R., Emrich, S. C., Ustrzynski, L., Tayag, A., Chang, S. D.  
2024
- **Efficacy and Safety of CyberKnife Stereotactic Radiosurgery for Occipital Condyle Metastasis**  
Park, D. J., Chang, S. D.  
2024
- **Efficacy and Safety of Donut-Shaped Circumferential Spine CyberKnife Stereotactic Body Radiotherapy for Metastatic Spine Disease**  
Park, D. J., Chang, S. D.  
2024
- **Stereotactic Radiosurgery for Spinal Metastases with Gastrointestinal Histology vs. Other Radioresistant Histologies.**  
Pratapneni, A., Klebaner, D., Jaoude, J. A., Kollipara, T., Kumar Jr, K. A., Rahimy, E., Gibbs, I. C., Mendoza, M. G., Persad, A. R., Hori, Y. S., Park, D. J., Chang, S. D., Chou, et al  
2024
- **Local Failure after Radiosurgery for Spinal Metastases with Epidural Spinal Cord Compression.**  
Kollipara, T., Klebaner, D., Jaoude, J. A., Pratapneni, A., Gibbs, I. C., Pollom, E. L., Rahimy, E., Kumar Jr, K. A., Mendoza, M. G., Persad, A. R., Hori, Y. S., Park, D. J., Chang, et al  
2024
- **Repeat Stereotactic Radiosurgery in Patients with Spinal Metastases Recurrent Following Initial Radiosurgery.**  
Jaoude, J. A., Chuang, C. F., Klebaner, D., Pratapneni, A., Kollipara, T., Kumar Jr, K. A., Fujimoto, D. K., Mendoza, M. G., Park, D. J., Persad, A. R., Hori, Y. S., Rahimy, E., Gibbs, et al  
2024
- **Treatment Patterns and Outcomes for Colorectal Cancer Spine Metastases Treated with SRS.**  
Klebaner, D., Jaoude, J. A., Pratapneni, A., Chang, S. D., Gibbs, I. C., Kollipara, T., Kumar Jr, K. A., Park, D. J., Fujimoto, D. K., Mendoza, M., Persad, A. R., Soltys, S. G., Pollom, et al  
2024
- **A Deep Learning-Driven Framework for Large Language Model-Assisted Automatic Target Volume Localization and Delineation for Enhancing Spinal Metastases Stereotactic Body Radiotherapy Workflow.**  
Yang, Z., Kazemimoghadam, M., Wang, L., Szalkowski, G. A., Chuang, C. F., Liu, L., Soltys, S. G., Pollom, E. L., Jiang, H., Park, D. J., Persad, A. R., Hori, Y. S., Fu, et al  
2024
- **Stereotactic Radiosurgery for Newly Diagnosed and Recurrent Chordomas of the Skull Base and Spine.**  
Ho, J., Klebaner, D., Mendoza, M., Fujimoto, D. K., Turner, B. E., Pollom, E. L., Gibbs, I. C., Chang, S. D., Dodd, R. L., Park, D. J., Kattaa, A. H., Persad, A. R., Hori, et al  
2024
- **CyberKnife Robotic Stereotactic Radiosurgery** *Stereotactic Radiosurgery and Stereotactic Body Radiation Therapy, 2nd Edition.*  
Rahimy, E., Szalkowski, G., Wang, L., Gibbs, I. C., Park, D. J., Soltys, S. G., Pollom, E. L.  
Springer Nature.2024
- **Stereotactic Radiosurgery for Intracranial Arteriovenous Malformations.** *Stereotactic Radiosurgery and Stereotactic Body Radiation Therapy, 2nd Edition.*  
Park, D. J., Appelboom, G., Chang, S. D.  
Springer Nature.2024
- **Stereotactic Radiosurgery for Hemangioblastomas** *Adult CNS Radiation Oncology: Principles and Practice.*  
Park, D. J., Meola, A., Pollom, E. L., Chang, S. D., Soltys, S. G.

Springer Nature.2024

- **Navigating alopecia: Practical guidelines for minimizing hair loss in CyberKnife stereotactic radiosurgery for calvarial or scalp tumors.** *Journal of Cancer Biology.*  
Park, D. J., Chang, S. D.  
2024; 5 (1): 21-22
- **The Promise of Tumor Mutation Burden and Microenvironment as Biomarkers in Glioma Treatment.** *Journal of Biomedical Research & Environmental Sciences.*  
Park, D. J., Chang, S. D.  
2024; 5 (6): 537-539
- **Surgery and stereotactic radiosurgery for spinal leiomyosarcoma: a single-institution retrospective series and systematic review.** *Journal of neurosurgery. Spine*  
Zamarud, A., Marianayagam, N. J., Sekar, V., Testa, S., Park, D. J., Yener, U., McCleary, T. L., Yoo, K. H., Emrich, S., Tayag, A., Ustrzynski, L., Pollom, E., Soltys, et al  
2023: 1-13
- **CyberKnife Radiosurgery for Extracranial Metastases of Oligodendroglioma: A Clinical Case Report.** *Cureus*  
Shaghaghian, E., Park, D. J., Yoo, K. H., Meola, A., Chang, S. D.  
2023; 15 (12): e51035
- **CyberKnife Radiosurgery for Extracranial Metastases of Oligodendroglioma: A Clinical Case Report** *Cureus*  
Shaghaghian, E., Park, D. J., Yoo, K. H., Meola, A., Chang, S. D.  
2023: e51035
- **Spinal metastases of pineal region glioblastoma with primitive neuroectodermal features highlighting the importance of molecular diagnoses: illustrative case.** *Journal of neurosurgery. Case lessons*  
Shah, A., Marianayagam, N. J., Zamarud, A., Park, D. J., Persad, A. R., Soltys, S. G., Chang, S. D., Veeravagu, A.  
2023; 6 (20)
- **The outcome of central nervous system hemangioblastomas in Von Hippel-Lindau (VHL) disease treated with belzutifan: a single-institution retrospective experience.** *Journal of neuro-oncology*  
Zamarud, A., Marianayagam, N. J., Park, D. J., Yener, U., Yoo, K. H., Meola, A., Chang, S. D.  
2023
- **STEREOTACTIC RADIOSURGERY FOR RESIDUAL, RECURRENT, AND METASTATIC HEMANGIOPERICYTOMAS: A SINGLE INSTITUTION EXPERIENCE**  
Yoo, K., Park, D., Veeravagu, A., Lee, M., Marianayagam, N., Zamarud, A., Gu, X., Pollom, E., Soltys, S., Chang, S., Meola, A.  
OXFORD UNIV PRESS INC.2023
- **STEREOTACTIC RADIOSURGERY FOR CYSTIC AND SOLID INTRACRANIAL HEMANGIOBLASTOMAS: A SINGLE-INSTITUTION RETROSPECTIVE SERIES**  
Yoo, K., Park, D., Marianayagam, N., Pollom, E., Soltys, S., Meola, A., Chang, S.  
OXFORD UNIV PRESS INC.2023
- **Stereotactic Radiosurgery for Cranial and Spinal Hemangioblastomas: A Single-Institution Retrospective Series.** *Neurosurgery*  
Yoo, K. H., Park, D. J., Marianayagam, N. J., Gu, X., Pollom, E. L., Soltys, S. G., Chang, S. D., Meola, A.  
2023
- **Overall Survival Prediction in Stereotactic Radiosurgery Patients with Glioblastoma Via a Deep-Learning Approach.** *International journal of radiation oncology, biology, physics*  
Yang, Z., Zamarud, A., Marianayagam, N., Park, D., Yener, U., Soltys, S. G., Chang, S. D., Meola, A., Lu, W., Gu, X.  
2023; 117 (2S): e159
- **Practical Guideline for Prevention of Patchy Hair Loss following CyberKnife Stereotactic Radiosurgery for Calvarial or Scalp Tumors: Retrospective Analysis of a Single Institution Experience.** *Stereotactic and functional neurosurgery*  
Park, D. J., Marianayagam, N. J., Yener, U., Tayag, A., Ustrzynski, L., Emrich, S. C., Pollom, E., Soltys, S., Meola, A., Chang, S. D.  
2023: 1-7
- **Stereotactic Radiosurgery for Medically Refractory Trigeminal Neuralgia Secondary to Stroke: A Systematic Review and Clinical Case Presentation.** *World neurosurgery*

- Zamarud, A., Park, D. J., Ung, T. H., McCleary, T. L., Yoo, K. H., Soltys, S. G., Lim, M., Chang, S. D., Meola, A.  
2023
- **Optimizing the synergy between stereotactic radiosurgery and immunotherapy for brain metastases.** *Frontiers in oncology*  
Yoo, K. H., Park, D. J., Choi, J. H., Marianayagam, N. J., Lim, M., Meola, A., Chang, S. D.  
2023; 13: 1223599
  - **Stereotactic Radiosurgery for Contrast-Enhancing Satellite Nodules in Recurrent Glioblastoma: A Rare Case Series From a Single Institution.** *Cureus*  
Park, D. J., Persad, A. R., Yoo, K. H., Marianayagam, N. J., Yener, U., Tayag, A., Ustrzynski, L., Emrich, S. C., Chuang, C., Pollom, E., Soltys, S. G., Meola, A., Chang, et al  
2023; 15 (8): e44455
  - **Stereotactic radiosurgery for distant brain metastases secondary to esthesioneuroblastoma: a single-institution series.** *Neurosurgical focus*  
Zamarud, A., Yener, U., Yoo, K. H., Park, D. J., Marianayagam, N. J., Ho, Q. A., Pollom, E., Soltys, S., Wang, L., Chang, S. D., Meola, A.  
2023; 55 (2): E6
  - **Stereotactic radiosurgery for sarcoma metastases to the brain: a single-institution experience.** *Neurosurgical focus*  
Zamarud, A., Park, D. J., Dadey, D. Y., Yoo, K. H., Marianayagam, N. J., Yener, U., Szalkowski, G. A., Pollom, E., Soltys, S., Chang, S. D., Meola, A.  
2023; 55 (2): E7
  - **CyberKnife radiosurgery for treatment of residual or recurrent Grade 1 choroid plexus papilloma: A single institution experience.** *World neurosurgery*  
Zhang, M., Park, D. J., Marianayagam, N. J., Yener, U., Soltys, S. G., Pollom, E., Chang, S. D., Meola, A.  
2023
  - **Cyberknife Radiosurgery for Synovial Sarcoma Metastasizing to the Spine: Illustrative Case Reports.** *Cureus*  
Zamarud, A., Park, D. J., Haider, G., Chang, S. D., Meola, A.  
2023; 15 (4): e37087
  - **Using 68Ga-DOTATATE PET for Postoperative Radiosurgery and Radiotherapy Planning in Patients With Meningioma: A Case Series.** *Neurosurgery*  
Hintz, E. B., Park, D. J., Ma, D., Viswanatha, S. D., Rini, J. N., Schulder, M., Goenka, A.  
2023
  - **Stereotactic radiosurgery for localized cranial Langerhans cell histiocytosis: A single institution experience and review of literature.** *World neurosurgery*  
Park, D. J., Marianayagam, N. J., Yener, U., Wang, L., Soltys, S. G., Pollom, E., Chang, S. D., Meola, A.  
2023
  - **Cyberknife Radiosurgery for Synovial Sarcoma Metastasizing to the Spine** *Cureus*  
Zamarud, A., Park, D. J., Haider, G., Chang, S. D., Meola, A.  
2023; 15 (4)
  - **Overall Survival Prediction in Stereotactic Radiosurgery Patients with Glioblastoma Via a Deep-Learning Approach.** *International journal of radiation oncology, biology, physics*  
Yang, Z., Zamarud, A., Marianayagam, N., Park, D. J., Yener, U., Soltys, S. G., Chang, S. D., Meola, A., Lu, W., Gu, X.  
2023; 117 (2S)
  - **CYSTIC BRAIN METASTASES MANAGED WITH RESERVOIR PLACEMENT AND STEREOTACTIC RADIOSURGERY**  
Park, D., Unadkat, P., Goenka, A., Schulder, M.  
OXFORD UNIV PRESS INC.2021: 194-195
  - **Papillary craniopharyngioma in a patient following resection of nonfunctioning pituitary adenoma: illustrative case.** *Journal of neurosurgery. Case lessons*  
Park, D. J., Mishra, A., Golub, D., Li, J. Y., Black, K. S., Schulder, M.  
2021; 1 (2): CASE2063
  - **Cystic Brain Metastases Managed With Reservoir Placement and Stereotactic Radiosurgery** *Neurosurgery Open*  
Park, D. J., Unadkat, P., Goenka, A., Schulder, M.  
2021; 2 (4): 1-10

- **Stearoyl CoA Desaturase Is Essential for Regulation of Endoplasmic Reticulum Homeostasis and Tumor Growth in Glioblastoma Cancer Stem Cells** *STEM CELL REPORTS*  
Pinkham, K., Park, D., Hashemiaghdam, A., Kirov, A. B., Adam, I., Rosiak, K., da Hora, C. C., Teng, J., Cheah, P., Carvalho, L., Ganguli-Indra, G., Kelly, A., Indra, et al  
2019; 12 (4): 712-727
- **Virus vector-mediated genetic modification of brain tumor stromal cells after intravenous delivery** *JOURNAL OF NEURO-ONCOLOGY*  
Volak, A., LeRoy, S. G., Natasan, J., Park, D. J., Cheah, P., Maus, A., Fitzpatrick, Z., Hudry, E., Pinkham, K., Gandhi, S., Hyman, B. T., Mu, D., Guhasarkar, et al  
2018; 139 (2): 293-305
- **Acute Paraplegia as a Result of Hemorrhagic Spinal Ependymoma Masked by Spinal Anesthesia: Case Report and Review of Literature.** *Brain tumor research and treatment*  
Lee, S. H., Park, D. J., Jeun, S. S.  
2016; 4 (1): 30-4
- **Remote Postoperative Epidural Hematoma after Brain Tumor Surgery.** *Brain tumor research and treatment*  
Chung, H. J., Park, J. S., Park, J. H., Jeun, S. S.  
2015; 3 (2): 132-7
- **Efficacy of Procarbazine, Lomustine, and Vincristine Chemotherapy for Recurrent Primary Central Nervous System Lymphomas.** *Brain tumor research and treatment*  
Kim, Y. J., Choe, J. H., Park, J. H., Hong, Y. K.  
2015; 3 (2): 75-80
- **Treatment Strategy of Intracranial Hemangiopericytoma.** *Brain tumor research and treatment*  
Kim, Y. J., Park, J. H., Kim, Y. I., Jeun, S. S.  
2015; 3 (2): 68-74
- **Modified Graded Repair of Cerebrospinal Fluid Leaks in Endoscopic Endonasal Transsphenoidal Surgery.** *Journal of Korean Neurosurgical Society*  
Park, J. H., Choi, J. H., Kim, Y. I., Kim, S. W., Hong, Y. K.  
2015; 58 (1): 36-42
- **Combination Therapy for Gliomas Using Temozolomide and Interferon-Beta Secreting Human Bone Marrow Derived Mesenchymal Stem Cells.** *Journal of Korean Neurosurgical Society*  
Park, J. H., Ryu, C. H., Kim, M. J., Jeun, S. S.  
2015; 57 (5): 323-8
- **Thrombosed large middle cerebral artery aneurysm mimicking an intra-axial brain tumor: case report and review of literature.** *Brain tumor research and treatment*  
Kim, Y. J., Jeun, S. S., Park, J. H.  
2015; 3 (1): 39-43
- **Primary malignant melanoma in the pineal region.** *Journal of Korean Neurosurgical Society*  
Park, J. H., Hong, Y. K.  
2014; 56 (6): 504-8
- **Disseminated Hemangioblastoma of the Central Nervous System without Von Hippel-Lindau Disease.** *Brain tumor research and treatment*  
Chung, S. Y., Jeun, S. S., Park, J. H.  
2014; 2 (2): 96-101
- **An intracranial chondroma with intratumoral hemorrhage: a case report and review of the literature.** *Brain tumor research and treatment*  
Park, J. H., Jeun, S. S.  
2013; 1 (1): 42-4
- **Pain assessment in brain tumor patients after elective craniotomy.** *Brain tumor research and treatment*  
Kim, Y. D., Park, J. H., Yang, S. H., Kim, I. S., Hong, J. T., Sung, J. H., Son, B. C., Lee, S. W.  
2013; 1 (1): 24-7

- **Critical use of balloon angioplasty after recanalization failure with retrievable stent in acute cerebral artery occlusion.** *Journal of Korean Neurosurgical Society*  
Park, J. H., Park, S. K., Jang, K. S., Jang, D. K., Han, Y. M.  
2013; 53 (2): 77-82

## PRESENTATIONS

- Stereotactic radiosurgery for distant punctate recurrent IDH-wild type glioblastoma: a single institution experience - 2023 Annual meeting, American Association of Neurological Surgeons (AANS) (2023)
- Radiation-induced alopecia following stereotactic radiosurgery for calvarial or scalp tumors: a single institution experience - 2023 Annual meeting, American Association of Neurological Surgeons (AANS) (2023)
- Stereotactic radiosurgery for localized cranial Langerhans cell histiocytosis: A single institution experience - 2023 Annual meeting, American Association of Neurological Surgeons (AANS) (2023)
- CyberKnife stereotactic radiosurgery for cranial and spinal hemangioblastomas: a single-institution experience - 2023 Annual meeting, American Association of Neurological Surgeons (AANS) (2023)
- CyberKnife stereotactic radiosurgery for residual, recurrent, and metastatic hemangiopericytomas: a single-institution experience - 2023 Annual meeting, American Association of Neurological Surgeons (AANS) (2023)
- Stereotactic Radiosurgery for Sarcoma metastases to Brain: A single institution experience - 2023 Annual meeting, American Association of Neurological Surgeons (AANS) (2023)
- CyberKnife Radiosurgery for Esthesioneuroblastoma Metastases to the Brain: A single institution series - 2023 Annual meeting, American Association of Neurological Surgeons (AANS) (2023)
- DOTATATE PET for Postoperative Gamma Knife Radiosurgery Planning in Patients with Meningioma - 2022 Annual meeting, American Association of Neurological Surgeons (AANS) (2022)
- Cystic brain metastases managed with reservoir placement and stereotactic radiosurgery - 2021 Annual meeting, Society for Neuro-oncology (SNO) (2021)
- Using 68Ga-DOTATATE PET for Postoperative Gamma Knife Radiosurgery Planning in Patients with Meningioma - 2021 Annual meeting, Society for Neuro-oncology (SNO) (2021)
- Cystic brain metastases managed with reservoir placement and stereotactic radiosurgery - 2021 Annual meeting, Congress of Neurological Surgeons (CNS) (2021)
- Using 68Ga-DOTATATE PET for Postoperative Gamma Knife Radiosurgery Planning in Patients with Meningioma - 2021 Annual meeting, Congress of Neurological Surgeons (CNS) (2021)
- Using 68Ga-DOTATATE PET for Postoperative Gamma Knife Radiosurgery Planning in Patients with Meningioma - 2021 Annual meeting, American Academy of Neurological Surgery (AAcNS) (2021)
- Cystic brain metastases managed with reservoir placement and stereotactic radiosurgery - 2021 Annual meeting, American Association of Neurological Surgeons (AANS) (2021)
- Cystic brain metastases managed with reservoir placement and stereotactic radiosurgery - 2021 Third Annual Conference on Brain Metastases, Society for Neuro-oncology (SNO) in association with the AANS/CNS Section on Tumors (2021)
- Stearoyl CoA Desaturase is essential for regulation of endoplasmic reticulum homeostasis and tumor growth in glioblastoma cancer stem cells - 2020 Annual meeting, American Association of Neurological Surgeons (AANS) (2020)
- Stearoyl CoA Desaturase is essential for regulation of endoplasmic reticulum homeostasis and tumor growth in glioblastoma cancer stem cells. - 2019 Annual meeting, Congress of Neurological Surgeons (CNS) (2019)
- A practical handheld intraoperative brain cancer cell detector using intrinsic fluorescence spectroscopy - 2019 MIT Sandbox Program Funding Board Pitch (2019)
- A practical handheld intraoperative brain cancer cell detector using intrinsic fluorescence spectroscopy. - 2018 MIT \$100K Entrepreneurship Competition Semi-Final Pitch (2018)
- A practical handheld intraoperative brain cancer cell detector using intrinsic fluorescence spectroscopy. - 2018 MIT Sloan Healthcare Innovation Prize Semi-Final Pitch (2018)
- Dissecting the role of fatty acids in malignant brain tumors. - 2017 Harvard Undergraduate Research Opportunities in Science (HUROS) Fair (2017)
- The value of Optical Coherence Tomography in glioma surgery - 2015 17th Annual brain tumor update & 6th Annual international symposium on long-term control of metastases to the brain and spine (2015)
- Successful prevention of cerebrospinal fluid leakage after endoscopic endonasal transsphenoidal surgery - 2014 Annual meeting, Congress of Neurological Surgeons (CNS) (2014)
- Graded repair protocol for cerebrospinal fluid leaks in endoscopic endonasal transsphenoidal surgery - 2015 Annual meeting, The European Association of Neurosurgical Societies (EANS) (2015)

- The value of Optical Coherence Tomography in glioma surgery - 2015 Annual meeting, The European Association of Neurosurgical Societies (EANS) (2015)
- Treatment strategy of intracranial hemangiopericytoma: Clinical efficacy of surgical grading system. - 2015 The 14th Asian Australasian Congress of Neurological Surgeons (AACNS) (2015)
- Modified graded repair of cerebrospinal fluid leaks in endoscopic endonasal transsphenoidal surgery. - 2015 The 14th Asian Australasian Congress of Neurological Surgeons (AACNS) (2015)
- Clinical analysis of postoperative seizures after brain tumor surgery. - 2015 The 14th Asian Australasian Congress of Neurological Surgeons (AACNS) (2015)
- Surgical outcomes of Petroclival meningiomas: Recent 5 cases of a single center. - 2015 Winter Symposium, Korean Brain Tumor Society: (2015)
- Petroclival meningiomas: Surgical analysis of recent 3 cases. - 2015 The 24th Annual Meeting of Seoul-Gyeonggi-Incheon Neurosurgical Society: (2015)
- Extended Endoscopic endonasal approach. - 2015 Annual Case Conference, Korean Skull Base Society (2015)
- Case report and review of literature for Cystic Glioblastoma. - 2015 Annual Case Conference, Korean Brain Tumor Society (2015)
- The value of optical coherence tomography in glioma surgery - 2015 The 25th Annual Meeting of Korean Brain Tumor Society (2015)
- Primary malignant melanoma in the pineal region. - 2014 Annual Case Conference, Korean Brain Tumor Society (2014)
- Combination therapy of Glioma using Temozolomide and Interferon-beta secreting human bone marrow mesenchymal stem cells. - 2014 The 24th Annual Meeting of Korean Brain Tumor Society (2014)
- Proper management of Hemangiopericytoma. - 2014 The 23rd Annual Meeting of Seoul-Gyeonggi-Incheon Neurosurgical Society (2014)
- Combination therapy of Glioma using Temozolomide and Interferon-beta secreting human bone marrow mesenchymal stem cells. - 2014 The 54th Autumn Symposium, Korean Neurosurgical Society (2014)
- Modified graded repair using pedicled nasoseptal flap for CSF leaks in endoscopic endonasal transsphenoidal surgery. - 2014 The 54th Autumn Symposium, Korean Neurosurgical Society (2014)
- Juvenile Pilocytic Astrocytoma in 3rd ventricle. - 2014 Year-End Case Conference, Korean Brain Tumor Society (2014)
- Combined procedure of Bilateral GPi DBS and selective SCM muscle denervation for laterocollis patients. - 2013 15th World Congress of Neurosurgery, World Federation of Neurosurgical Societies (WFNS) (2013)
- Effectiveness of subsequent GPi DBS after selective SCM muscle denervation in unsatisfactory patients with laterocollis - 2013 Quadrennial meeting, World Society for Stereo-tactic & Functional Neurosurgery (WSSFN) (2013)
- Efficacy of Brain perfusion SPECT on differentiating Clinical subtypes of Parkinson's disease. - 2013 The 19th Annual Meeting, Korean Society of Stereotactic and Functional Neurosurgery (2013)
- Intraoperative ICG angiography for obliteration of a spinal dural arteriovenous fistula. - 2013 The 53rd Autumn Symposium, Korean Neurosurgical Society (2013)
- Chronic subdural hematoma in the elderly. - 2012 The 12th Spring Symposium, Korean Society of Geriatric Neurosurgery (2012)
- Assessment of postoperative pain in patients treated with elective craniotomy. - 2012 The 22nd Annual Meeting of Korean Brain Tumor Society (2012)
- SCM denervation plus GPi DBS for laterocollis patients. - 2012 Year-End Symposium, Korean Society of Stereotactic and Functional Neurosurgery (2012)
- Imbalance issue after surgery or radiosurgery for acoustic neuroma - Acoustic Neuroma Association (ANA): Support group meeting (2023)
- Overview of Stereotactic Radiosurgery: Key concepts and clinical indications - Santa Clara Valley Medical Center (VMC) Symposium on Neurosurgery (2023)
- Overall survival prediction in stereotactic radiosurgery patients with glioblastoma via a deep-learning approach - American Society of Radiation Oncology (ASTRO) Annual meeting
- Standardizing, streamlining, and enhancing SRS spine treatment planning with AI-enabled automation tools - American Association of Physicists in Medicine (AAPM) Annual Meeting
- Artificial intelligent enabled safe and efficient workflow for multi-course and multi-brain-metastasis stereotactic radiosurgery - American Association of Physicists in Medicine (AAPM) Annual Meeting (2023)
- A Deep learning based end-to-end workflow for glioblastoma patients' overall survival prediction using basic structural multiparametric pre-operative MRI - American Association of Physicists in Medicine (AAPM) Annual Meeting (2023)
- Stereotactic radiosurgery for ependymoma in pediatric and adult patients: A single institution experience - Congress of Neurological Surgeons (CNS) Annual Meeting (2023)
- CyberKnife radiosurgery for spinal leptomeningeal metastases secondary to esthesioneuroblastoma: A single institution series - Congress of Neurological Surgeons (CNS) Annual Meeting (2023)

- Stereotactic Radiosurgery for Medically Refractory Trigeminal Neuralgia Secondary to Stroke - Congress of Neurological Surgeons (CNS) Annual Meeting (2023)
- Stereotactic Radiosurgery for Synovial Sarcoma Metastasizing to the Spine - Congress of Neurological Surgeons (CNS) Annual Meeting (2023)
- Stereotactic radiosurgery for treatment of residual or recurrent choroid plexus papilloma - Congress of Neurological Surgeons (CNS) Annual Meeting (2023)
- Stereotactic radiosurgery for residual, recurrent, and metastatic hemangiopericytoma: A single institution experience - European Association of Neurosurgical Societies (EANS) Annual Meeting (2023)
- Stereotactic radiosurgery for cranial and spinal hemangioblastomas: A single institution long-term experience - European Association of Neurosurgical Societies (EANS) Annual Meeting (2023)
- Stereotactic radiosurgery for cystic and solid intracranial hemangioblastomas: a single-institution retrospective series - Society of Neuro-Oncology (SNO) Annual Meeting (2023)
- Stereotactic radiosurgery for ependymoma in pediatric and adult patients: A single-institution experience - Society of Neuro-Oncology (SNO) Annual Meeting (2023)
- Stereotactic radiosurgery for residual, recurrent, and metastatic hemangiopericytomas: a single institution experience - Society of Neuro-Oncology (SNO) Annual Meeting (2023)
- Overall survival prediction in stereotactic radiosurgery patients with glioblastoma via a deep-learning approach. - 2023 Annual meeting, American Society of Radiation Oncology (ASTRO) (2023)
- Standardizing, streamlining, and enhancing SRS spine treatment planning with AI-enabled automation tools. - 2023 Annual meeting, American Association of Physicists in Medicine (AAPM) (2023)
- Artificial intelligent enabled safe and efficient workflow for multi-course and multi-brain-metastasis stereotactic radiosurgery. - 2023 Annual meeting, American Association of Physicists in Medicine (AAPM) (2023)
- A Deep learning based end-to-end workflow for glioblastoma patients' overall survival prediction using basic structural multiparametric pre-operative MRI. - 2023 Annual meeting, American Association of Physicists in Medicine (AAPM) (2023)
- Stereotactic radiosurgery for ependymoma in pediatric and adult patients: A single institution experience. - 2023 Annual meeting, Congress of Neurological Surgeons (CNS) (2023)
- CyberKnife stereotactic radiosurgery for treatment of newly diagnosed and recurrent adult wild-type glioblastoma. - 2023 Annual meeting, Congress of Neurological Surgeons (CNS) (2023)
- CyberKnife radiosurgery for spinal leptomeningeal metastases secondary to esthesioneuroblastoma: A single institution series. - 2023 Annual meeting, Congress of Neurological Surgeons (CNS) (2023)
- Stereotactic Radiosurgery for Medically Refractory Trigeminal Neuralgia Secondary to Stroke. - 2023 Annual meeting, Congress of Neurological Surgeons (CNS) (2023)
- Stereotactic Radiosurgery for Synovial Sarcoma Metastasizing to the Spine. - 2023 Annual meeting, Congress of Neurological Surgeons (CNS) (2023)
- Stereotactic radiosurgery for treatment of residual or recurrent choroid plexus papilloma. - 2023 Annual meeting, Congress of Neurological Surgeons (CNS) (2023)
- Stereotactic radiosurgery for ependymoma in pediatric and adult patients: A single-institution experience. - 2023 Congress of Neurological Surgeons (CNS) and Joint Section on Pediatric Neurological Society: (2023)
- The Role of CyberKnife Stereotactic Radiosurgery in Recurrent Cranial Medulloblastomas across Pediatric and Adult populations. - 2024 Annual meeting, American Association of Neurological Surgeons (AANS) (2024)
- Stereotactic radiosurgery for ependymoma in pediatric and adult patients: A single-institution experience. - 2024 Annual meeting, American Association of Neurological Surgeons (AANS) (2024)
- A Deep Learning-Driven Framework for Large Language Model-Assisted Automatic Target Volume Localization and Delineation in Spinal Metastases Stereotactic Body Radiotherapy. - 2024 Annual meeting, American Association of Physicists in Medicine (AAPM) (2024)
- Stereotactic radiosurgery for ependymoma in pediatric and adult patients: A single-institution experience. - 2024 Radiosurgery Society Scientific Meeting, The Radiosurgery Society (RSS) (2024)
- CyberKnife stereotactic radiosurgery for extramedullary plasmacytoma in the external auditory canal. - 2024 Annual meeting, International Stereotactic Radiosurgery Society (ISRS) (2024)
- Stereotactic Radiosurgery for Cranial Nerve Metastases. - 2024 Annual meeting, International Stereotactic Radiosurgery Society (ISRS) (2024)
- Percutaneous disc biopsy is better than bone biopsy for the accurate identification of infectious agents in osteomyelitis/discitis. - 2024 Annual meeting, American Society of Neuroradiology (ASNR) (2024)
- Stereotactic Radiosurgery for Adenoid Cystic Carcinoma Brain Metastases: A Single Institution Retrospective Study. - 2024 Annual meeting, SNO (Society of Neuro-Oncology)/ASCO (American Society of Clinical Oncology) CNS Metastases Conference

- Stereotactic Radiosurgery for Brain Metastases Secondary to Peripheral Neural Crest Tumors: A Single Institution Retrospective Experience. - 2024 Annual meeting, SNO (Society of Neuro-Oncology)/ASCO (American Society of Clinical Oncology) CNS Metastases Conference:
- Clinical and Radiological Outcomes of Orbital Metastases Treated with Stereotactic Radiosurgery: A Single Institution Retrospective Series. (Denver, CO) - 2024 Annual meeting, SNO (Society of Neuro-Oncology)/ASCO (American Society of Clinical Oncology) CNS Metastases Conference
- Stereotactic Radiosurgery for Newly Diagnosed and Recurrent Chordomas of the Skull Base and Spine. - 2024 Annual meeting, American Society of Radiation Oncology (ASTRO)
- Stereotactic Radiosurgery for Spinal Metastases with Gastrointestinal Histology versus Other Radioresistant Histologies. - 2024 Annual meeting, American Society of Radiation Oncology (ASTRO)
- Local Failure after Radiosurgery for Spinal Metastases with Epidural Spinal Cord Compression. - 2024 Annual meeting, American Society of Radiation Oncology (ASTRO)
- A Deep Learning-Driven Framework for Large Language Model-Assisted Automatic Target Volume Localization and Delineation in Spinal Metastases Stereotactic Body Radiotherapy. - 2024 Annual meeting, American Society of Radiation Oncology (ASTRO)
- Optimizing Patient Outcomes in Petroclival Meningioma Treatment: Evaluating Surgical, Radiosurgical, Radiotherapy and Combined Treatment Approaches. - 2024 Annual meeting, Congress of Neurological Surgeons (CNS)
- Bibliometric Analysis of Current Trend in CyberKnife Stereotactic Radiosurgery. - 2024 Annual meeting, Congress of Neurological Surgeons (CNS)
- Stereotactic Radiosurgery for Male Breast Cancer Brain Metastases. - 2024 Annual meeting, Congress of Neurological Surgeons (CNS)
- The Occurrence of Hemi-laryngopharyngeal Spasm (HeLPS) syndrome in Patients with Glossopharyngeal Neuralgia. - 2024 Annual meeting, Congress of Neurological Surgeons (CNS)
- Clinical and Radiological Outcomes of Orbital Metastases Treated with Stereotactic Radiosurgery: A Single Institution Retrospective Series. - 2024 Annual meeting, Congress of Neurological Surgeons (CNS)
- Therapeutic Approaches for Spinal Synovial Sarcoma: A Comprehensive Review of Literature. - 2024 Annual meeting, Congress of Neurological Surgeons (CNS)
- Long-Term Management Outcomes of Hypoglossal Schwannomas: A Comprehensive Single-Institution Experience. - 2024 Annual meeting, Congress of Neurological Surgeons (CNS)
- Management of Spetzler-Martin Grade IV and V AVMs with Stereotactic Radiosurgery. - 2024 Annual meeting, Congress of Neurological Surgeons (CNS)
- Stereotactic Radiosurgery for Cranial Nerve Metastases: A Single Institution Experience. - 2024 Annual meeting, Congress of Neurological Surgeons (CNS)
- Stereotactic Radiosurgery for Adenoid Cystic Carcinoma Brain Metastases: A Single Institution Retrospective Study. - 2024 Annual meeting, Congress of Neurological Surgeons (CNS)
- Stereotactic Radiosurgery for Brain Metastases Secondary to Peripheral Neural Crest Tumors: A Single Institution Retrospective Experience. - 2024 Annual meeting, Congress of Neurological Surgeons (CNS)
- Stereotactic Radiosurgery for Cystic and Solid Intracranial Hemangioblastomas: A Single-institution Experience. - 2024 Annual meeting, Congress of Neurological Surgeons (CNS)
- Clinical Outcomes in the Treatment of Brain Metastasis with Gyroscopic Radiosurgery. - 2024 Annual meeting, Congress of Neurological Surgeons (CNS)
- Comparative Efficacy and Safety of Neuroendovascular Techniques and Conventional Therapies in Ischemic Stroke Management. - 2024 Annual meeting, Congress of Neurological Surgeons (CNS)
- The Role of CyberKnife Stereotactic Radiosurgery in Recurrent Cranial Medulloblastomas across Pediatric and Adult populations. - 2024 Annual meeting, Congress of Neurological Surgeons (CNS)
- Efficacy and Safety of CyberKnife Stereotactic Radiosurgery for Occipital Condyle Metastasis. - 2024 Annual meeting, Congress of Neurological Surgeons (CNS)
- Efficacy and Safety of Donut-Shaped Circumferential Spine CyberKnife Stereotactic Body Radiotherapy for Metastatic Spine Disease. - 2024 Annual meeting, Congress of Neurological Surgeons (CNS)
- Treatment Patterns and Outcomes for Colorectal Cancer Spine Metastases Treated with SRS. - 2024 Annual meeting, American Society of Radiation Oncology (ASTRO)
- Repeat Stereotactic Radiosurgery in Patients with Spinal Metastases Recurrent Following Initial Radiosurgery - 2024 Annual meeting, American Society of Radiation Oncology (ASTRO)