Stanford



Yusuke Hori, MD

Instructor, Neurosurgery

CLINICAL OFFICE (PRIMARY)

- **Stanford Neuroscience Health Center**

  213 Quarry Rd

  3rd Fl MC 5958

  Palo Alto, CA 94304

  Tel (650) 723-6469 **Fax** (650) 725-0390

Bio

BIO

Dr. Hori received his MD from Sapporo Medical University, Japan, and during that time he served as a Medical Student Research Fellow in the Department of Pharmacology. He explored the functional role of the SIRT1 gene, a longevity-associated gene, and its association with various conditions such as muscular dystrophy. He also completed a Visiting Student Research Fellowship at the Health Sciences University of Hokkaido and participated in Human Genetics projects focusing on an association between the 27-bp deletion and 538G>A mutation in the ABCC11 Gene.

After graduating from medical school, Dr. Hori completed a neurosurgery residency at National Hospital Organization Okayama Medical Center in Japan. Subsequently, he completed a Stereotactic and Functional Neurosurgery Fellowship and then a Neurosurgical Oncology and Radiosurgery Fellowship at The Cleveland Clinic. He also completed an International Neurosurgery Fellowship at Boston Children's Hospital, Harvard Medical School. In 2022, he moved to Stanford University as a postdoctoral fellow, and under the supervision of Dr. Anca Pasca, he participated in brain organoid research focusing on hypoxic brain injuries.

Since July 2023, Dr. Hori has been working as a Clinical Instructor (Neurosurgical Oncology and Radiosurgery) in the Department of Neurosurgery at Stanford under the supervision of Dr. Steven D. Chang. His clinical interests include malignant brain and spine tumors in both adult and pediatric patients. His clinical research focuses on the application of minimally invasive treatments such as laser interstitial thermal therapy, focused ultrasound, and radiosurgery to treat various neurosurgical conditions. His current lab research aims to develop an organoid model for radiation-induced brain injuries and a high-throughput screening platform to identify novel therapeutic compounds, for which he received a Clinician Educator Grant from Stanford University Maternal and Child Health Research Institute. Outside of medicine, he enjoys playing music including guitar and drums.

CLINICAL FOCUS

- Neurological Surgery
- Neurosurgical Oncology
- Radiosurgery

ACADEMIC APPOINTMENTS

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

HONORS AND AWARDS

- Clinician Educator Grant, Stanford University Maternal and Child Health Research Institute (2023)
- The Research Incentive Award, American College of Physicians Japan Chapter (2015)
- JASSO's Student of the Year 2012 Grand Prize, Japan Student Services Organization (2012)
- Japanese Society of Anti-Aging Medicine Registration Award, Keystone Symposium on Aging and Diseases of Aging (2012)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Channel Administrator, Stanford Neurosurgery Channel in Cureus (2024 - present)
- Member, Sigma Xi Scientific Honor Society (2025 - present)
- Member, AANS/CNS Section on Tumors (2020 - present)
- Member, The Congress of Neurological Surgeons (2019 - present)
- Member, The Japan Neurosurgical Society (2012 - present)
- Member, The Molecular Biology Society of Japan (2009 - present)
- Community Reviewer, Frontiers in Oncology (2023 - present)
- Community Reviewer, Frontiers in Neurology (2023 - present)
- Reviewer, Discover Oncology (2025 - present)
- Reviewer, Discover Medicine (2025 - present)
- Reviewer, BMJ Case Reports (2022 - present)
- Reviewer, World Neurosurgery: X (2022 - present)
- Reviewer, Journal of Neuro-Oncology (2020 - present)
- Reviewer, Neuromodulation: Technology at the Neural Interface (2019 - present)
- Reviewer, Nutrition, Metabolism and Cardiovascular Diseases (2019 - present)
- Reviewer, European Journal of Medical Genetics (2018 - present)
- Reviewer, World Neurosurgery (2018 - present)
- Reviewer, Brain Research (2018 - present)
- Reviewer, Scientific Reports (2017 - present)
- Reviewer, Journal of Pharmacology and Experimental Therapeutics (2013 - present)

PROFESSIONAL EDUCATION

- Postdoctoral Fellow, Stanford University School of Medicine , Brain Organoids and Disease Modeling (NeoPasca Lab) (2023)
- International Fellow, Boston Children's Hospital, Harvard Medical School, MA , Pediatric Neurosurgery Fellowship (2022)
- Chief Clinical Fellow, Cleveland Clinic, OH , Neurosurgical Oncology and Radiosurgery Fellowship (2021)
- Clinical Fellow, Cleveland Clinic, OH , Stereotactic and Functional Neurosurgery Fellowship (2019)
- Resident, NHO Okayama Medical Center, Okayama University, Japan , Neurosurgical Residency (2018)
- Intern, Asahi General Hospital, Japan , Mandatory Postgraduate Clinical Training Program (2015)
- M.D., Sapporo Medical University, Japan (2013)

- Medical Student Research Fellow, Sapporo Medical University, Japan , Molecular Pharmacology (Dr. Horio Lab) (2013)
- Visiting Student Research Fellow, Health Sciences University of Hokkaido, Japan , Human Genetics (Dr. Niikawa Lab) (2011)

PATENTS

- Yoshiyuki Horio, Atsushi Kuno, Yusuke Hori. "Japan Patent 5,850,503 Composition for treating muscular dystrophy", Sapporo Medical University, Feb 3, 2016

Research & Scholarship

LAB AFFILIATIONS

- Anca Hrastinski, NeoPasca Lab (7/1/2022)

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

- **Stereotactic radiosurgery outcomes in high-grade meningiomas harboring NF2 alterations.** *Journal of neuro-oncology*
  Sahin, M. C., Hori, Y. S., Lam, F. C., Kalra, N., Zagzoog, N., Emrich, S. C., Ustrzynski, L., Tayag, A., Soltys, S. G., Hancock, S. L., Hayden-Gephart, M., Park, D. J., Chang, et al
  2026; 180 (2)

- **Stereotactic Radiosurgery for Thalamic Brain Metastases: A Retrospective Analysis and Literature Review.** *Neurosurgery practice*
  Kattaa, A. H., Persad, A. R., Harary, P. M., Kassu, R., Izhar, M., Guru, S., Akhavan-Sigari, A., Purger, D. A., Hori, Y. S., Ustrzynski, L., Emrich, S. C., Tayag, A., Gu, et al
  2026; 7 (5): e000284

- **Prognostic value of the Epidural Spinal Cord Compression scale, Revised Tokuhashi, and Spine Instability Neoplastic Scores in primary stereotactic body radiotherapy for spinal bone metastases.** *Journal of neurosurgery. Spine*
  Chou, K. N., Park, D. J., Hori, Y. S., Persad, A. R., Chuang, C., Emrich, S. C., Ustrzynski, L., Tayag, A., Pollom, E., Soltys, S. G., Lo, C. H., Chang, S. D.
  2026: 1-10

- **The contemporary role of stereotactic radiosurgery for surgically inoperable cerebral arteriovenous malformations.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
  Shinya, Y., Lee, D. 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; 154: 112295

- **Outcomes of stereotactic radiosurgery for spine multiple myeloma-a systematic review.** *Neurosurgical review*
  Izhar, M., Hori, Y. S., Kattaa, A. H., Park, D. J., Chang, S. D.
  2026; 49 (1)

- **The symptom spectrum: preoperative symptom-related indicators of surgical outcomes for adult type 1 chiari malformation.** *Neurosurgical review*
  Akhavan-Sigari, A., Park, D. J., Kattaa, A. H., Norville, Z. C., Shaghaghian, E., Nasta, S. R., Izhar, M., Hori, Y. S., Dodd, R., Li, G., Maher, C. O., Shuer, L., Steinberg, et al
  2026; 49 (1)

- **Recurrent C19MC-altered embryonal tumors with multilayered rosettes: outcomes of stereotactic radiosurgery.** *Child's nervous system : ChNS : official journal of the International Society for Pediatric Neurosurgery*
  Harary, P. M., Hori, Y. S., Tan, S. K., Mahaney, K., Hiniker, S. M., Gibbs, I. C., Park, D. J., Chang, S. D.
  2026; 42 (1)

- **The role of stereotactic radiosurgery in the management of vestibular schwannoma in octogenarians: an international multi-institutional study.** *Journal of neurosurgery*

Abou-Al-Shaar, H., Albalkhi, I., Bin-Alamer, O., Head, J. R., Mallela, A. N., Wegner, R. E., Kite, T., Mahase, S. S., Nolan, K., Zacharia, B. E., Bailey, D., Lee, C. C., Yang, et al

2026: 1-8

- **Can stereotactic radiosurgery treat idiopathic normal pressure hydrocephalus? literature-based evidence.** *Neurosurgical review*

  Izhar, M., Hori, Y. S., Abe, K., Hosoda, R., Lam, F. C., Kalra, N., Zagzoog, N., Kuno, A., Park, D. J., Chang, S. D.

  2026; 49 (1)

- **Stereotactic radiosurgery for spinal cholangiocarcinoma metastases: Clinical outcomes and the role of biologically effective dose thresholds.** *Neurosurgical review*

  Cardona, J. J., Lam, F. C., Al Gharyani, M. F., Hori, Y. S., Abu-Reesh, D., Ustrzynski, L., Emrich, S. C., Tayag, A., Gu, X., Pollom, E. L., Soltys, S. G., Li, G., Desai, et al

  2026; 49 (1)

- **Artificial intelligence (AI) uses in stereotactic radiosurgery (SRS): diagnosis 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., Lam, F. C., Zagzoog, N., Kalra, N., Tayag, A., Ustrzynski, L., Emrich, S. C., Gu, X., Park, D. J., Chang, S. D.

  2026; 153: 112210

- **Radiomodulation-The Final Frontier of Radiosurgery?** *Brain sciences*

  Lam, F. C., Chau, E., Shi, Y., Martinez, B., Hamdan, A., Gill, J. L., Zagzoog, N., Kalra, N., Hori, Y. S., Schneider, M. B., Adler, J., Park, D. J., Chang, et al

  2026; 16 (7)

- **Commentary: Volume-Staged Stereotactic Radiosurgery in Pediatric Patients With Large Brain Arteriovenous Malformations: An International, Multicenter Study.** *Neurosurgery*

  Hori, Y. S., Park, D. J., Chang, S. D.

  2026

- **Thyroid carcinoma brain metastases: radiosurgery outcomes and genomic characterization across histologic subtypes.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*

  Izhar, M., Kattaa, A. H., Harary, P. M., Hori, Y. S., Lam, F. C., Kalra, N., Zagzoog, N., Tayag, A., Ustrzynski, L., Emrich, S. C., Gephart, M. H., Park, D. J., Chang, et al

  2026; 152: 112184

- **Clinical outcomes of ferroptosis-inducing agents in glioblastoma: A systematic review of clinical trials.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*

  Choi, Y., Hori, Y. S., Abe, K., Hosoda, R., Park, D. J., Kuno, A., Chang, S. D.

  2026; 152: 112169

- **Laser interstitial thermal therapy (LITT) for brain metastases: a systematic review and pooled analysis of Efficacy/Safety and the role of combination treatments.** *Journal of neuro-oncology*

  Mizutani, Y., Hori, Y. S., Kattaa, A. H., Harary, P. M., Lam, F. C., Kalra, N., Zagzoog, N., Tayag, A., Ustrzynski, L., Emrich, S. C., Park, D. J., Chang, S. D.

  2026; 178 (2)

- **Clinical utility of liquid biopsy in distinguishing true progression from radiation necrosis and pseudoprogression in malignant brain tumor.** *Journal of neuro-oncology*

  Izhar, M., Hori, Y. S., Lam, F. C., Kalra, N., Zagzoog, N., Tayag, A., Ustrzynski, L., Emrich, S. C., Park, D. J., Chang, S. D.

  2026; 178 (1)

- **A WEb-Accessible comprehensiVE platform for automatic vestibular schwannoma segmentation and longitudinal volumetric tracking.** *Neuro-oncology advances*

  Prashad, R., Szalkowski, G., Wang, J. Y., Lam, F. C., Kattaa, A. H., Sanker, V., Chuang, C., Wang, L., Liu, L., Wang, Q., Zhu, Y., Chen, M., Gibbs, et al

  2026; 8 (1): vdag138

- **Outcome of CyberKnife stereotactic radiosurgery for the brain metastases in patients with Li Fraumeni syndrome.** *Journal of neuro-oncology*

  Izhar, M., Hori, Y. S., Kattaa, A. H., Harary, P. M., Lam, F. C., Kalra, N., Zagzoog, N., Tayag, A., Ustrzynski, L., Emrich, S. C., Park, D. J., Chang, S. D.

  2026; 178 (1)

- **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)
- **Radiosurgical Irradiation of Spinal Nerve Roots for the Management of Spasticity: A Systematic Review.** *Stereotactic and functional neurosurgery*
  Izhar, M., Hori, Y. S., Kattaa, A. H., Park, D. J., Chang, S. D.
  2026: 1-12
- **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)
- **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
- **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
- **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
- **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
- **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): e000169

- **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

- **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

- **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)

- **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

- **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., Wieczorek, 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

- **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

- **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., Tayag, A., Ustrzynski, L., Emrich, S. C., Park, D. J., Li, G., Chang, S. D.
  2025; 6 (2): e00141

- **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*
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