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Clinical Instructor, Neurosurgery

CLINICAL OFFICE (PRIMARY)

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Bio

CLINICAL FOCUS

- Neurological Surgery

ACADEMIC APPOINTMENTS

- Clinical Instructor, Neurosurgery

PROFESSIONAL EDUCATION

- Fellowship: Northwell Health Dept of Neurosurgery (2022) NY
- Fellowship: Beth Israel Deaconess Med Center/Harvard (2010) MA
- Board Certification: Neurological Surgery, Royal College of Physicians and Surgeons of Canada (2009)
- Residency: University of Alberta (2009) Canada
- Medical Education: University of British Columbia - UBC (2003) Canada
- Residency: University of Alberta Canada

Publications

PUBLICATIONS

- **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.

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

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- **The impact of CHEK2 status on radiosurgical outcomes in breast cancer brain metastases.** *Neurosurgical review*

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- **Treatment outcomes of stereotactic radiosurgery for sarcoma brain metastases-systematic review.** *Journal of neuro-oncology*
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- **Surgical resection versus stereotactic radiosurgery for succinate dehydrogenase-related hereditary head and neck paragangliomas.** *Journal of neuro-oncology*
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- **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.
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- **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
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- **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
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- **A GENOME-WIDE IN VIVO CRISPR ACTIVATION SCREEN IDENTIFIES BACE1 AS A THERAPEUTIC VULNERABILITY OF LUNG CANCER BRAIN METASTASIS**
  Chafe, S., Zhai, K., Aghaei, N., Miletic, P., Huang, Z., Brown, K., Mobilio, D., Young, D., Suk, Y., Grewal, S., Mckenna, D., Alizada, Z., Kieliszek, et al
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- **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
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- **Stereotactic radiosurgery for hepatitis C virus-related hepatocellular carcinoma brain metastasis: A retrospective analysis and systematic review** *WORLD NEUROSURGERY-X*
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- **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.
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- **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.
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- **Repeat stereotactic radiosurgery for treatment of brain metastases locally recurrent following initial radiosurgery.** *Journal of neuro-oncology*
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- **Stereotactic radiosurgery for intracranial and spinal adenoid cystic carcinoma: systematic review and illustrative case presentation.** *Journal of neuro-oncology*
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  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
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- **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
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- **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

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- **Isolated unilateral hypoglossal nerve palsy due to an atlanto-occipital juxta-articular cyst: illustrative case.** *Journal of neurosurgery. Case lessons*
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- **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.
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- **Use of Carbon Fiber Implants to Improve the Safety and Efficacy of Radiation Therapy for Spine Tumor Patients.** *Brain sciences*
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- **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
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- **BRD4 prevents the accumulation of R-loops and protects against transcription-replication collision events and DNA damage** *NATURE COMMUNICATIONS*
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