



David Jaehyun Park

Clinical Instructor, Neurosurgery

CLINICAL OFFICE (PRIMARY)

- **Neurosurgery**

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Bio

BIO

David Park, MD, PhD, is a neurosurgeon who graduated from medical school at the Catholic University of Korea in Seoul, South Korea. He then completed his internship and residency training in the Department of Neurosurgery at Seoul St. Mary's Hospital. He became a board-certified neurosurgeon in South Korea in 2014 and subsequently completed a 2-year fellowship at the same hospital, specializing in brain tumor surgery and skull base surgery. During his residency, he also attended graduate school while practicing neurosurgery as a trainee and successfully defended his Ph.D. thesis, titled "Combination therapy for gliomas using temozolomide and interferon-beta secreting human bone marrow-derived mesenchymal stem cells," in 2015.

After completing his fellowship in South Korea, Dr. Park moved to Singapore in 2016 and worked as a Clinical Fellow (Clinical Associate) at the National Neuroscience Institute for one year, focusing on Neurosurgical Oncology and Skull Base Surgery.

In 2017, Dr. Park joined Dr. Christian Badr's lab at Massachusetts General Hospital, Harvard Medical School, as a Postdoctoral Research Fellow, conducting translational research on glioblastoma and studying the role of fatty acids and lipid metabolism in glioblastoma to complement his clinical expertise.

During this time, Dr. Park also launched a startup based on his invention of an intraoperative diagnostic tool for tumor detection during glioma surgery. He collaborated with bioengineers at M.I.T. to develop a prototype and secured seed funding from the MIT Sandbox Innovation Fund Program. As an alumnus of the MIT Sandbox program, he continues to develop this project.

In 2020, Dr. Park served as a Neurosurgical Oncology and Radiosurgery Fellow (Teaching Associate) for a year at North Shore University Hospital, Zucker School of Medicine at Hofstra/Northwell, in Long Island, New York, where he worked with Dr. Michael Schulder on brain tumor surgery including advanced techniques, such as Laser Interstitial Thermal Therapy (LITT) and Stereotactic Radiosurgery (SRS).

From July 2021 to June 2022, he completed another fellowship in Neurosurgical Oncology and Radiosurgery at the Cleveland Clinic in Cleveland. He devoted his efforts to minimally invasive neurosurgical techniques such as LITT and Gamma Knife SRS, as well as awake brain tumor surgery under the guidance of Drs. Gene Barnett, Lilyana Angelov, and Ali Mohammadi.

As of July 2022, Dr. Park has joined the Department of Neurosurgery at Stanford University as a Clinical Instructor, working with Dr. Steven D. Chang in the fields of Neurosurgical Oncology and CyberKnife SRS.

CLINICAL FOCUS

- Neurosurgery
- Neurosurgical-oncology
- Radiosurgery
- Brain tumor

ACADEMIC APPOINTMENTS

- Clinical Instructor, 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

- Special Faculty Permit, Medical Board of California (2022 - present)
- Ohio State Medical License, State Medical Board of Ohio (2021 - present)
- New York State Medical License, NYS Office of the Professions (Medicine) (2020 - present)
- U.S. Medical License, ECFMG (2019 - present)
- Singapore Medical License, Singapore Medical Council (2016 - present)
- Neurosurgery Board-certified (Korea), Korean Board of Neurological Surgery (2014 - present)
- Medical License (Korea), Korean Board of Medical Examiners (2009 - present)

PROFESSIONAL EDUCATION

- Fellowship: Cleveland Clinic Foundation (2022) OH
- Board Certification: Neurosurgery, Ministry of Health and Welfare of Korea (2014)
- Clinical Fellow, Cleveland Clinic, Cleveland, OH , Neurosurgical Oncology and Radiosurgery (2022)
- Clinical Fellow, North Shore University Hospital, Zucker School of Medicine at Hofstra/Northwell, Manhasset, NY , Neurosurgical Oncology and Radiosurgery (2021)
- Postdoc Research Fellow, Massachusetts General Hospital, Harvard Medical School, Boston, MA , Department of Neurology (Research in Brain Tumor Metabolism) (2018)
- Clinical Fellow, Department of Neurosurgery, National Neuroscience Institute, Singapore , Neurosurgical Oncology (2017)

- Clinical Fellow, Seoul St. Mary's Hospital, Catholic University of Korea, Seoul, Korea , Skull Base Surgery and Neurosurgical Oncology (2016)
- Ph.D., Graduate School of Catholic University of Korea, Seoul, Korea , Neuroscience (Neuro-oncology) (2015)
- Visiting Scholar, Brigham and Women's Hospital, Harvard Medical School, MA , Focused Ultrasound Lab & Bioprinting Lab (2013)
- Residency, Catholic University of Korea, Seoul, Korea , Neurosurgery (2014)
- Intern, Seoul St. Mary's Hospital, Catholic University of Korea, Seoul, Korea (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

- linkedin page: <https://www.linkedin.com/in/david-jaehyun-park-md-phd-38069a6b/>

Publications

PUBLICATIONS

- **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
- **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
- **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
- **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 HEMANGIOEPICYTOMAS: 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)
- **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., Natasen, 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)