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  - **Current Position & Affiliation:** Professor. Department of Radiology and Research Institute of Radiology, University of Ulsan College of Medicine, Asan Medical Center
  - **Country:** Republic of Korea
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**• Educational Background:**

- B.S.: Hanyang University School of Medicine (1990.3 – 1996.2)
- M.S.: University of Ulsan College of Medicine (2004.3 – 2006.2)
- Ph.D.: University of Ulsan College of Medicine (2011.3 – 2013.2)

**• Professional Experience:**

- Intern: Asan Medical Center (1996.3 – 1997.2)
- Resident: Department of Radiology, Asan Medical Center (1997.3 – 2001.2)
- Clinical Instructor (Fellow): Department of Radiology, Asan Medical Center (2004.5 – 2005.2)
- Research Instructor (Fellow): Department of Radiology, Ajou University Hospital (2005.3 – 2006.2)
- Instructor: Department of Radiology, Ajou University School of Medicine (2006.3 – 2008.2)
- Assistant Professor: Department of Radiology, Ajou University School of Medicine (2008.3 – 2010.5.31)
- Clinical Professor: Department of Radiology, Asan Medical Center (2010.6.1 – 2011.2.28).
- Assistant Professor: Department of Radiology, Asan Medical Center (2011.3.1 - 2013.2)
- Associate Professor: Department of Radiology, Asan Medical Center (2013.3.1 – 2019.2.28)
- Professor: Department of Radiology, Asan Medical Center (2019.3.1 - Current)

**• Professional Organizations:**

N/A

**• Main Scientific Publications:**

1. Park JE, **Kim HS**, Lee J, Cheong EN, Shin I, Ahn SS, Shim WH. Deep-learned time-signal intensity pattern analysis using an autoencoder captures magnetic resonance perfusion heterogeneity for brain tumor differentiation. Sci Rep. 2020 Dec 8;10(1):21485.
2. Park JE, **Kim HS**, Kim N, Kim YH, Kim JH, Kim E, Hwang J, Katsher U. Low conductivity on electrical properties tomography demonstrates unique tumor habitats indicating progression in glioblastoma. Eur Radiol. 2021 Apr (e-pub)
3. Suh CH, **Kim HS**, Park JE, Jung SC, Choi CG, Woo DC, Lee HB, Kim SJ. Comparative

Value of 2-Hydroxyglutarate-to-Lipid and Lactate Ratio versus 2-Hydroxyglutarate Concentration on MR Spectroscopic Images for Predicting Isocitrate Dehydrogenase Mutation Status in Gliomas.

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4. Kim M, [Kim HS](#), Kim HJ, Park JE, Park SY, Kim YH, Kim SJ, Lee J, Lebel MR. Thin-Slice Pituitary MRI with Deep Learning-based Reconstruction: Diagnostic Performance in a Postoperative Setting. *Radiology*. 2021 Jan;298(1):114-122.
5. Park JE, Ham S, [Kim HS](#), Park SY, Yun J, Lee H, Choi SH, Kim N. Diffusion and perfusion MRI radiomics obtained from deep learning segmentation provides reproducible and comparable diagnostic model to human in post-treatment glioblastoma. *Eur Radiol*. 2021 May;31(5):3127-3137.
6. Park JE, [Kim HS](#). Current Applications and Future Perspectives of Brain Tumor Imaging. *J Korean Soc Radiol*. 2020 May;81(3):467-487.
7. Park JE, [Kim HS](#), Kim N, Park SY, Kim YH, Kim JH. Spatiotemporal Heterogeneity in Multiparametric Physiologic MRI Is Associated with Patient Outcomes in IDH-Wildtype Glioblastoma. *Clin Cancer Res*. 2021 Jan 1;27(1):237-245.
8. Suh CH, [Kim HS](#), Kim JH, Kim SJ. Cerebellar Hemangioblastoma: Diagnostic Yield of Contrast-Enhanced Abdominal CT and Whole-Spine MRI as Initial Screening Imaging. *AJR Am J Roentgenol*. 2020 Sep;215(3):706-712.
9. Park JE, Kickingereder P, [Kim HS](#). Radiomics and Deep Learning from Research to Clinical Workflow: Neuro-Oncologic Imaging. *Korean J Radiol*. 2020 Oct;21(10):1126-1137.
10. Cho SJ, [Kim HS](#), Suh CH, Park JE. Radiological Recurrence Patterns after Bevacizumab Treatment of Recurrent High-Grade Glioma: A Systematic Review and Meta-Analysis. *Korean J Radiol*. 2020 Jul;21(7):908-918.
11. Suh CH, [Kim HS](#), Jung SC, Choi CG, Kim SJ, Kim KW. Optimized Image-Based Surrogate Endpoints in Targeted Therapies for Glioblastoma: A Systematic Review and Meta-Analysis of Phase III Randomized Controlled Trials. *Korean J Radiol*. 2020 Apr;21(4):471-482.
12. Park JE, [Kim HS](#), Park SY, Jung SC, Kim JH, Heo HY. Identification of Early Response to Anti-Angiogenic Therapy in Recurrent Glioblastoma: Amide Proton Transfer-weighted and Perfusion-weighted MRI Compared with Diffusion-weighted MRI. *Radiology*. 2020 May;295(2):397-406.
13. Park JE, [Kim HS](#), Jo Y, Yoo RE, Choi SH, Nam SJ, Kim JH. Radiomics Prognostication Model in Glioblastoma Using Diffusion- And Perfusion-Weighted MRI. *Sci Rep*. 2020 Mar 6;10(1):4250.
14. Park JE, [Kim HS](#), Kim D, Park SY, Kim JY, Cho SJ, Kim JH. A Systematic Review Reporting Quality of Radiomics Research in Neuro-Oncology: Toward Clinical Utility and Quality Improvement Using High-Dimensional Imaging Features. *BMC Cancer*. 2020 Jan 10;20(1):29.
15. Park JE, [Kim HS](#), Park SY, Nam SJ, Chun SM, Jo Y, Kim JH. Prediction of Core Signaling Pathway by Using Diffusion- And Perfusion-based MRI Radiomics and Next-generation Sequencing in Isocitrate Dehydrogenase Wild-type Glioblastoma. *Radiology*. 2020 Feb;294(2):388-397.
16. Park JE, Kim D, [Kim HS](#), Park SY, Kim JY, Cho SJ, Shin JH, Kim JH. Quality of Science and Reporting of Radiomics in Oncologic Studies: Room for Improvement According to Radiomics Quality Score and TRIPOD Statement. *Eur Radiol*. 2020 Jan;30(1):523-536.