

## **Ho Sung Kim, M.D., Ph.D.**

Professor.

Department of Radiology and Research Institute of Radiology,  
University of Ulsan College of Medicine, Asan Medical Center, 86 Asanbyeongwon-Gil,  
Songpa-Gu, Seoul 138-736, Republic of Korea.  
Tel. 82-02-3010-5682, Fax. 82-02-476-0090.

### **Education**

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

### **Practical Record**

1. Assistant Professor: Department of Radiology, Asan Medical Center (2011.3.1 - 2013.2)
2. Associate Professor: Department of Radiology, Asan Medical Center (2013.3.1 – 2019.2.28)
3. Professor: Department of Radiology, Asan Medical Center (2019.3.1 - )

### **Publication List (As a Corresponding Author in [Radiology](#) Journal)**

1. Park JE, **Kim HS**, Jung SC, et al. Prediction of Core Signaling Pathway using Diffusion- and Perfusion-based MR Radiomics and Next Generation Sequencing in IDH wild type Glioblastoma. [Radiology](#) (in press).
2. Park JE, **Kim HS**, Jung SC, et al. Identification of Early Response to Anti-angiogenic Therapy in Recurrent Glioblastoma: Predictive Value of Amide Proton Transfer-weighted MRI compared to Diffusion-weighted MRI. [Radiology](#) (Accepted).
3. Suh CH, **Kim HS**, Jung SC, Park JE, Choi CG, Kim SJ. Primary Central Nervous System Lymphoma: Diagnostic Yield of Whole-Body CT and FDG PET/CT for Initial Systemic Imaging. [Radiology](#) 2019 Aug;292(2):440-446.
4. Suh CH, **Kim HS**, Jung SC, Park JE, Choi CG, Kim SJ. False Positive Measurement on 2-Hydroxyglutarate Magnetic Resonance Spectroscopy in Isocitrate Dehydrogenase Wild-Type Glioblastoma: A Multifactorial Analysis. [Radiology](#) 2019 Jun;291(3):752-762.
5. Yoon RG, **Kim HS**, Koh MJ, Shim WH, Jung SC, Kim SJ, Kim JH. Differentiation of Recurrent Glioblastoma from Delayed Radiation Necrosis by Using Voxel-based

Multiparametric Analysis of MR Imaging Data. *Radiology*. 2017 Oct;285(1):206-213.

6. Kim C, **Kim HS**, Shim WH, Choi CG, Kim SJ, Kim JH. Recurrent Glioblastoma: Combination of High Cerebral Blood Flow with MGMT Promoter Methylation Is Associated with Benefit from Low-Dose Temozolomide Rechallenge at First Recurrence. *Radiology*. 2017 Jan;282(1):212-221.
7. Park JE, **Kim HS**, Park KJ, Kim SJ, Kim JH, Smith SA. Pre- and Posttreatment Glioma: Comparison of Amide Proton Transfer Imaging with MR Spectroscopy for Biomarkers of Tumor Proliferation. *Radiology*. 2016 Feb;278(2):514-23.
8. Park JE, **Kim HS**, Park KJ, Choi CG, Kim SJ. Histogram Analysis of Amide Proton Transfer Imaging to Identify Contrast-enhancing Low-Grade Brain Tumor That Mimics High-Grade Tumor: Increased Accuracy of MR Perfusion. *Radiology*. 2015 Oct;277(1):151-61.
9. Park JE, **Kim HS**, Goh MJ, Kim SJ, Kim JH. Pseudoprogression in Patients with Glioblastoma: Assessment by Using Volume-weighted Voxel-based Multiparametric Clustering of MR Imaging Data in an Independent Test Set. *Radiology*. 2015 Jun;275(3):792-802.
10. **Kim HS**, Goh MJ, Kim N, Choi CG, Kim SJ, Kim JH. Which combination of MR imaging modalities is best for predicting recurrent glioblastoma? Study of diagnostic accuracy and reproducibility. *Radiology*. 2014 Dec;273(3):831-43.
11. Suh CH, **Kim HS**, Lee SS, Kim N, Yoon HM, Choi CG, Kim SJ. Atypical imaging features of primary central nervous system lymphoma that mimics glioblastoma: utility of intravoxel incoherent motion MR imaging. *Radiology*. 2014 Aug;272(2):504-13.
12. Chung WJ, **Kim HS**, Kim N, Choi CG, Kim SJ. Recurrent glioblastoma: optimum area under the curve method derived from dynamic contrast-enhanced T1-weighted perfusion MR imaging. *Radiology*. 2013 Nov;269(2):561-8.
13. Baek HJ, **Kim HS**, Kim N, Choi YJ, Kim YJ. Percent change of perfusion skewness and kurtosis: a potential imaging biomarker for early treatment response in patients with newly diagnosed glioblastomas. *Radiology*. 2012 Sep;264(3):834-43.
14. **Kim HS**, Kim JH, Kim SH, Cho KG, Kim SY. Posttreatment high-grade glioma: usefulness of peak height position with semiquantitative MR perfusion histogram analysis in an entire contrast-enhanced lesion for predicting volume fraction of recurrence. *Radiology*. 2010 Sep;256(3):906-15.