

Curriculum Vitae (Date Prepared: 04/30/2025)

Name: **Pae Sun Suh**, M.D., Ph.D.
Place of Birth: Seoul, Republic of Korea
Nationality: Republic of Korea



Present Address:

Department of Radiology, Research Institute of Radiological Science and
Center for Clinical Imaging Data Science, Yonsei University College of
Medicine, Seoul, Republic of Korea

Education

2008.3 – 2014.2 Ajou University, School of Medicine, Graduated with honors (Magna Cum Laude)

Post-graduate Education

2014.3 – 2015.2 Intern, Ajou University Hospital

2015.3 – 2019.2 Residency of Radiology, Ajou University Hospital (Chief Resident: 2018.3-2018.8)

2016.3 – 2018.8 Master's degree, Ajou University School of Medicine

2023.3 – 2025.2 PhD's degree, University of Ulsan College of Medicine

Academic & Hospital Appointments

2020.4 – 2022.4 Department of Radiology, Armed Forces Hongcheon Hospital

2022.5 – 2024.2 Clinical fellow, Neuroradiology section, Department of Radiology and Research
Institute of Radiology, Asan Medical Center

2024.3 – Clinical assistant professor, Neuroradiology section, Department of Radiology, Yonsei
University College of Medicine

Editorial board

Awards

1. 우수 연구상 (최우수 논문 부문), 연세대학교 의과대학 영상의학교실, 2025 년 1 월 16 일
2. Best Scientific Exhibition Awards, KCR 2023, 2023 년 8 월 28 일
3. 우수논문상, 대한인터벤션영상의학회, 2016 년 5 월 21 일

Grant

GCP Certification

Training certificate by Severance Hospital, 2024

Scientific Paper Publication: International (SCI and SCIE), 12 publications as a primary author (first author, co-first author, and corresponding author), 6 publications as a co-author

List of Publications

1. **Suh PS**, Shim WH, Suh CH, et al. Comparing Large Language Model and Human Reader Accuracy with New England Journal of Medicine Image Challenge Case Image Inputs. *Radiology*. 2024 Dec;313(3):e241668.
2. Lim SJ, **Suh PS**, Suh CH, et al. Substituting with alternative iodinated contrast medium to prevent recurrent adverse drug reactions associated with its use: a systematic review and meta-analysis. *European Radiology*. 2025 May;35(5):2569-2579.
3. Eo Y, Yoon JT, Kim BJ, Lee DH, Roh YH, Moon HH, **Suh PS**, Ryu JC, Kwon B, Song Y. Effectiveness of wedge filter application in reducing lens radiation dose during diagnostic cerebral angiography: a phantom and prospective study. *Eur Radiol*. 2025 Apr 26. Epub ahead of print.
4. **Suh PS**, Hwan Heo, Suh CH, et al. Deep learning-based algorithm for automatic quantification of nigrosome-1 and Parkinsonism classification using susceptibility map-weighted MRI. *AJNR*. 2025 Apr 17. Epub ahead of print.
5. Roh YH, Jung SC, Kim M, Moon HH, **Suh PS**, Song Y, Lee JS, Choi KM. Predicting outcomes of unruptured intracranial artery dissection with clear symptoms onset using clinical and radiological features. *Sci Rep*. 2024 Oct 1;14(1):22777.
6. Ryu JC, Yoon JT, Kim BJ, Kim MH, Moon EJ, **Suh PS**, Roh YH, Moon HH, Kwon B, Lee DH, Song Y. Impact of a selective lens dose reduction protocol in 3D rotational angiography on radiation exposure to the eye lens during cerebral angiography: a randomized controlled trial. *J Neurointerv Surg*. 2024 Sep 17;16(10):1021-1026.
7. **Suh PS**, Baek JH, Lee JH, Chung SR, Choi YJ, Chung KW, Kim TY, Lee JH. Effectiveness of microvascular flow imaging for radiofrequency ablation in recurrent thyroid cancer: comparison with power Doppler imaging. *Eur Radiol*. 2025 Feb;35(2):597-607.
8. **Suh PS**, Shim WH, Suh CH, Heo H, Park CR, Eom HJ, Park KJ, Choe J, Kim PH, Park HJ, Ahn Y, Park HY, Choi Y, Woo CY, Park H. Comparing Diagnostic Accuracy of Radiologists versus GPT-4V and Gemini Pro Vision Using Image Inputs from Diagnosis Please Cases. *Radiology*. 2024 Jul;312(1):e240273.
9. **Suh PS**, Jung SC, Moon HH, Roh YH, Song Y, Kim M, Lee J, Choi KM. Diagnosis of Unruptured Intracranial Aneurysms Using Proton-Density Magnetic Resonance Angiography: A Comparison With High-Resolution Time-of-Flight Magnetic Resonance Angiography. *Korean J Radiol*. 2024 Jun;25(6):575-588.
10. **Suh PS**, Lee JH, Roh YH, Moon HH, Chung SR, Kwon MS, Choi YJ, Lee YS, Baek JH, Choi SH. Ethanol Ablation of Ranulas and Risk Factor Analysis for Recurrence. *JAMA Otolaryngol Head Neck Surg*. 2024 Jun 1;150(6):502-508.
11. **Suh PS**, Park JE, Roh YH, Kim S, Jung M, Koo YS, Lee SA, Choi Y, Kim HS. Improving Diagnostic Performance of MRI for Temporal Lobe Epilepsy With Deep Learning-Based Image Reconstruction in Patients With Suspected Focal Epilepsy. *Korean J Radiol*. 2024 Apr;25(4):374-383.
12. **Suh PS**, Jeong SY, Baek JH, Kim TY, Lee YM, Song DE, Park YS, Ahn JY, Chung SR, Choi YJ, Lee JH. Knot-and-ear sign: a pathognomonic ultrasonographic feature of suture granuloma after thyroid surgery. *Ultrasonography*. 2024 Mar;43(2):141-150.
13. **Suh PS**, Baek JH. Thermal ablation of papillary thyroid microcarcinoma: what radiologists should know. *Eur Radiol*. 2023 Nov;33(11):7899-7901.
14. Ryu JC, Yoon JT, Kim BJ, Kim MH, Moon EJ, **Suh PS**, Roh YH, Moon HH, Kwon B, Lee DH, Song Y. Impact of a selective lens dose reduction protocol in 3D rotational angiography on radiation exposure to the eye lens during cerebral angiography: a randomized controlled trial. *J Neurointerv Surg*. 2024 Sep 17;16(10):1021-1026.
15. **Suh PS**, Jung W, Suh CH, Kim J, Oh J, Heo H, Shim WH, Lim JS, Lee JH, Kim HS, Kim SJ. Development and validation of a deep learning-based automatic segmentation model for assessing intracranial volume: comparison with NeuroQuant, FreeSurfer, and SynthSeg. *Front Neurol*. 2023 Sep 1;14:1221892.
16. Ryu JC, Yoon JT, Kim BJ, Kim MH, Moon EJ, **Suh PS**, Roh YH, Moon HH, Kwon B, Lee DH, Song Y. Reduction of Radiation Dose to Eye Lens in Cerebral 3D Rotational Angiography Using Head Off-Centering by Table Height Adjustment: A Prospective Study. *Korean J Radiol*. 2023 Jul;24(7):681-689.

17. **Suh PS**, Park SY, Kim J, Oh CK, Lee SH, Won JH. Assessment of Venographic Abnormalities during Replacement of Dysfunctional Tunneled Hemodialysis Catheters and Outcome of Endovascular Salvage Techniques. J Korean Soc Radiol. 2018 Sep;79(3):152-160.
18. Yang HJ, **Suh PS**, Kim SJ, Lee SY. Effects of Smoking on Menopausal Age: Results From the Korea National Health and Nutrition Examination Survey, 2007 to 2012. J Prev Med Public Health. 2015 Jul;48(4):216-24.