

- **Name:** Sung Soo Ahn
 - **Current Position & Affiliation:** Associate professor, Yonsei University College of Medicine
 - **Country:** Korea
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• Educational Background:

- 09/2010-02/2014 Graduate school of Yonsei University College of Medicine,
Doctor's Degree, 02/2014
- 09/2007-08/2009 Graduate school of Yonsei University College of Medicine,
Master's Degree, 08/2009
- 03/2000-02/2004 Yonsei University College of Medicine,
Doctor of Medicine, 02/2004
- 03/1998-02/2000 Yonsei University College of Natural Science,
Bachelor of Preliminary Medicine, 02/2000

• Professional Experience:

- 03/2021-current Associate Professor, Neuroradiology
Yonsei University Medical Center, Seoul, Korea
- 03/2015-02/2021 Assistant Professor, Neuroradiology
Yonsei University Medical Center, Seoul, Korea
- 03/2019-02/2020 Visiting Scholar
University California San Francisco, California, USA
- 03/2012-02/2015 Clinical Assistant Professor, Neuroradiology
Yonsei University Medical Center, Seoul, Korea

• Professional Organizations:

- Radiological Society of North America
- International Society of Magnetic Resonance in Medicine
- Korean Society for Neuro-Oncology
Member of Scientific Committee (2015-2018)
- Korean Society of Neuroradiology and Head & Neck Radiology
Treasurer (2017-2021)
- Korean Society of Radiology
Member of Training Committee (2015-2018)
- Asian Society for Neuro-Oncology
Member of Scientific Committee (2022-current)
- Brain Function Study Group
Director (2024-current)

• Main Scientific Publications:

- [1] Park YW, Eom S, Kim S, Lim S, Park JE, Kim HS, You SC, **Ahn SS***, Lee SK. Differentiation of glioblastoma from solitary brain metastasis using deep ensembles: Empirical estimation of uncertainty for clinical reliability. *Comput Methods Programs Biomed.* 2024 Sep;254:108288.
- [2] Park YW, Choi KS, Foltyn-Dumitru M, Brugnara G, Banan R, Kim S, Han K, Park JE, Kessler T, Bendszus M, Krieg S, Wick W, Sahm F, Choi SH, Kim HS, Chang JH, Kim SH, Wongsawaeng D, Pollock JM, Lee SK, Barajas RF, Vollmuth P, **Ahn SS***. Incorporating Supramaximal Resection into Survival Stratification of *IDH*-Wildtype Glioblastoma: A Refined Multi-institutional Recursive Partitioning Analysis. *Clin Cancer Res.* 2024 Nov 1;20(21):4866-4875. doi: 10.1158/1078-0432.CCR-23-3845.
- [3] Park YW, Jang G, Kim SB, Choi K, Han K, Shin NY, **Ahn SS***, Chang JH, Kim SH, Lee SK, Jain R. Leptomeningeal Metastases in IDH-wildtype Glioblastomas Revisited: Comprehensive Analysis of Incidence, Risk Factors, and Prognosis Based on Post-contrast FLAIR. *Neuro Oncol.* 2024 Oct; 3;26(10):1921-1932.
- [4] Park CJ, Kim S, Han K, **Ahn SS***, Kim D, Park YW, Chang JH, Kim SH, Lee SK. Diffusion- and Perfusion-Weighted MRI Radiomics for Survival Prediction in Patients with Lower-Grade Gliomas. *Yonsei Med J.* 2024 May;65(5):283-292.
- [5] Park YW, Park JE, **Ahn SS***, Han K, Kim N, Oh JY, Lee DH, Won SY, Shin I, Kim HS, Lee SK. Deep learning-based metastasis detection in patients with lung cancer to enhance reproducibility and reduce workload in brain metastasis screening with MRI: a multi-center study. *Cancer Imaging.* 2024 Mar 1;24(1):32.
- [6] Lee JO, **Ahn SS**, Choi KS, Lee J, Jang J, Park JH, Hwang I, Park CK, Park SH, Chung JW, Choi SH. Added Prognostic Value of 3D Deep Learning-Derived Features from Preoperative MRI for Adult-type Diffuse Gliomas. *Neuro Oncol.* 2024 Mar 4;26(3):571-580.
- [7] Park YW, Kim S, Han K, **Ahn SS***, Moon JH, Kim EH, Kim J, Kang SG, Kim SH, Lee SK, Chang JH. Rethinking extent of resection of contrast-enhancing and non-enhancing tumor: different survival impacts on adult-type diffuse gliomas in 2021 World Health Organization classification. *Eur Radiol.* 2024 Feb;34(2):1376-1387.
- [8] Park YW, Vollmuth P, Foltyn-Dumitru M, Sahm F, Choi KS, Park JE, **Ahn SS***, Chang JH, Kim SH. The 2021 WHO Classification for Gliomas and Implications on Imaging Diagnosis: Part 3-Summary of Imaging Findings on Glioneuronal and Neuronal Tumors. *J Magn Reson Imaging.* 2023 Dec;58(6):1680-1702.
- [9] Sohn B, Park K, **Ahn SS***, Park YW, Choi SH, Kang SG, Kim SH, Chang JH, Lee SK. Dynamic contrast-enhanced MRI radiomics model predicts epidermal growth factor receptor amplification in glioblastoma, IDH-wildtype. *J Neurooncol.* 2023 Sep;164(2):341-351.
- [10] Joo B, **Ahn SS***, An C, Han K, Choi D, Kim H, Park JE, Kim HS, Lee SK. Fully automated radiomics-based machine learning models for multiclass classification of single brain tumors: Glioblastoma, lymphoma, and metastasis. *J Neuroradiol.* 2023 Jun;50(4):388-395.