

Curriculum Vitae

Personal Information	
Title	Professor
Name	Sungeun Song
Degree	MD. PhD.
Country	South Korea
Affiliation	Korea University Anam Hospital
	
Educational Background	
1999.3.1- 2005.2.28	Korea University College of Medicine
2007.9.1- 2009. 8.31	Korea University, Postgraduate School, Masters of Radiology
2010.9.1-2013.2.28	Korea University, Postgraduate School, Ph.D. in Radiology
Professional Career	
2006.3. - 2007.2	Intern, Korea University Anam Hospital
2007.3. - 2011.2.	Resident, Korea University Anam Hospital
2011.3. - 2014.2.	Fellow, Korea University Ansan Hospital
2014.3. - 2016.2.	Clinical Assistant professor, Seoul National University Hospital
2017.9 - 2018.8.	Visiting scholar, University of Pittsburgh, Department of radiology
2016.3. - 2020.8.	Clinical Assistant professor, Korea University Anam University Hospital
2020.9 - 2025.2	Associate professor, Korea University Anam University Hospital
2025.3 ~	Professor, Korea University Anam University Hospital
Research Field	
Breast Imaging (Mammography, Breast US, Breast MRI), Artificial Intelligence	
Main Scientific Publications	
<p>1. AI-Powered Synthesis of Structured Multimodal Breast Ultrasound Reports Integrating Radiologist Annotations and Deep Learning Analysis. Azhar K, Lee BD, Byon SS, Cho KR, Song SE. Bioengineering (Basel). 2024 Sep 1;11(9):890.</p> <p>2. Prediction of Axillary Lymph Node Metastasis in Early-stage Triple-Negative Breast Cancer Using Multiparametric and Radiomic Features of Breast MRI. Song SE, Woo OH, Cho Y, Cho KR, Park KH, Kim JW. Acad Radiol. 2023 Sep;30</p> <p>3. Value of Breast MRI and Nomogram After Negative Axillary Ultrasound for Predicting Axillary Lymph Node Metastasis in Patients With Clinically T1-2 N0 Breast Cancer. Song SE, Cho KR, Cho Y, Jung SP, Park KH, Woo OH, Seo BK. J Korean Med Sci. 2023 Aug 28;38(34):e251.</p> <p>4. Diffusion-Weighted Magnetic Resonance Imaging for Preoperative Evaluation of Patients With Breast Cancer: Protocol of a Prospective, Multicenter, Observational Cohort Study. Park VY, Shin HJ, Kang BJ, Kim MJ, Moon WK, Song SE, Ha SM. J Breast Cancer. 2023 Jun;26(3):292-301.</p> <p>5. Tumor Heterogeneity of Breast Cancer Assessed with Computed Tomography Texture Analysis: Association with Disease-Free Survival and Clinicopathological Prognostic Factor. Yoo H, Cho KR, Song SE, Cho Y, Jung SP, Sung K. Diagnostics (Basel). 2023 Nov 29;13(23):3569.</p>	

6. Machine learning with multiparametric breast MRI for prediction of Ki-67 and histologic grade in early-stage luminal breast cancer. Song SE, Cho KR, Cho Y, Kim K, Jung SP, Seo BK, Woo OH. *Eur Radiol.* 2022 Feb;32(2):853-863.
7. Simultaneous Multislice Readout-Segmented Echo Planar Imaging for Diffusion-Weighted MRI in Patients With Invasive Breast Cancers. Song SE, Woo OH, Cho KR, Seo BK, Son YH, Grimm R, Liu W, Moon WK. *J Magn Reson Imaging.* 2021 Apr;53(4):1108-1115.
8. Prediction of Inflammatory Breast Cancer Survival Outcomes Using Computed Tomography-Based Texture Analysis. Song SE, Seo BK, Cho KR, Woo OH, Ganeshan B, Kim ES, Cha J. *Front Bioeng Biotechnol.* 2021 Jul 20;9:695305.
9. Preoperative tumor size measurement in breast cancer patients: which threshold is appropriate on computer-aided detection for breast MRI? Song SE, Seo BK, Cho KR, Woo OH, Park EK, Cha JH, Han S. *Cancer Imaging.* 2020 Apr 28;20(1):32
10. Kinetic Features of Invasive Breast Cancers on Computer-Aided Diagnosis Using 3T MRI Data: Correlation with Clinical and Pathologic Prognostic Factors. Song SE, Cho KR, Seo BK, Woo OH, Jung SP, Sung DJ. *Korean J Radiol.* 2019 Mar; 20(3):411-421.
11. Intravoxel Incoherent Motion Diffusion-Weighted MRI of Invasive Breast Cancer: Correlation With Prognostic Factors and Kinetic Features Acquired With Computer-Aided Diagnosis. Song SE, Cho KR, Seo BK, Woo OH, Park KH, Son YH, Grimm R. *J Magn Reson Imaging.* 2019 Jan;49(1):118-130.
12. Diagnostic performances of supplemental breast ultrasound screening in women with personal history of breast cancer. Song SE, Cho N, Chang JM, Chu AJ, Yi A, Moon WK *Acta Radiol.* 2018 May;59(5):533-539.
13. Post-clip placement MRI following second-look US-guided core biopsy for suspicious lesions identified on breast MRI. Song SE, Cho N, Han W. *Eur Radiol.* 2017 Dec;27(12):5196-5203.
14. Additional value of diffusion-weighted imaging to evaluate multifocal and multicentric breast cancer detected using pre-operative breast MRI. Song SE, Park EK, Cho KR, Seo BK, Woo OH, Jung SP, Cho SB. *Eur Radiol.* 2017 Nov;27(11):4819-4827.
15. MR and mammographic imaging features of HER2-positive breast cancers according to hormone receptor status: a retrospective comparative study. Song SE, Bae MS, Chang JM, Cho N, Ryu HS, Moon WK. ***Acta Radiol.* 2017 Jul;58(7):792-799.**
16. Diagnostic performances of supplemental breast ultrasound screening in women with personal history of breast cancer. Song SE, Cho N, Chang JM, Chu AJ, Yi A, Moon WK ***Acta Radiol.* 2018 May;59(5):533-539.**
17. MR imaging features associated with distant metastasis-free survival of patients with invasive breast cancer: a case-control study. Song SE, Shin SU, Moon HG, Ryu HS, Kim K, Moon WK. ***Breast Cancer Res Treat.* 2017 Apr;162(3):559-569.**
18. Association between US features of primary tumor and axillary lymph node metastasis in patients with clinical T1-T2N0 breast cancer. Bae MS, Shin SU, Song SE, Ryu HS, Han W, Moon WK. ***Acta Radiol.* 2017 Jan 1;284185117723039.**
19. Gene expression profiling of calcifications in breast cancer. Shin SU, Lee J, Kim JH, Kim WH, Song SE, Chu A, Kim HS, Han W, Ryu HS, Moon WK. ***Sci Rep.* 2017 Sep 12;7(1):11427.**
20. Extensive silicone lymphadenopathy after breast implant insertion mimicking malignant lymphadenopathy. Lee Y, Song SE, Yoon ES, Bae JW, Jung SP. ***Ann Surg Treat Res.* 2017 Dec;93(6):331-335.**
21. Replacing single-view mediolateral oblique (MLO) digital mammography (DM) with synthesized mammography (SM) with digital breast tomosynthesis (DBT) images: Comparison of the diagnostic performance and radiation dose with two-

view DM with or without MLO-DBT. Kang HJ, Chang JM, Lee J, Song SE, Shin SU, Kim WH, Bae MS, Moon WK. **Eur J Radiol. 2016 Nov;85(11):2042-2048.**

22. Diagnostic performance of tomosynthesis and breast ultrasonography in women with dense breasts: a prospective comparison study. Kim WH, Chang JM, Lee J, Chu AJ, Seo M, Gweon HM, Koo HR, Lee SH, Cho N, Bae MS, Shin SU, Song SE, Moon WK. **Breast Cancer Res Treat. 2017 Feb;162(1):85-94.**

23. Breast Cancer Detection in a Screening Population: Comparison of Digital Mammography, Computer-Aided Detection Applied to Digital Mammography and Breast Ultrasound.

Cho KR, Seo BK, Woo OH, Song SE, Choi J, Whang SY, Park EK, Park AY, Shin H, Chung HH.

J Breast Cancer. 2016 Sep;19(3):316-323.

24. Heterogeneity of triple-negative breast cancer: mammographic, US, and MR imaging features according to androgen receptor expression. Bae MS, Park SY, Song SE, Kim WH, Lee SH, Han W, Park IA, Noh DY, Moon WK. **Eur Radiol. 2015 Feb;25(2):419-27.**

25. Undiagnosed Breast Cancer: Features at Supplemental Screening US. Song SE, Cho N, Chu A, Shin SU, Moon WK. **Radiology. 2015 Nov;277(2):372-80.**