


Curriculum Vitae

Personal Information			
Title	Dr.		
Name	Soo-Yeon Kim		
Degree	MD, PhD		
Country	Republic of Korea		
Affiliation	Korea University Guro Hospital		
			
		Educational Background	
		<ul style="list-style-type: none"> - Doctor of Philosophy (Ph.D.) in Medicine: Yonsei University Graduate School, Seoul, Korea (Mar 2014 – Aug 2016) - Master's Degree in Medicine: Yonsei University Graduate School, Seoul, Korea (Mar 2011 – Aug 2013) - Bachelor's Degree in Medicine: Yonsei University College of Medicine, Seoul, Korea (Mar 2002 – Feb 2008) 	
		Professional Career	
		<ul style="list-style-type: none"> - Associate Professor, Division of Breast Imaging, Department of Radiology Korea University Guro Hospital, Seoul, Korea (Sep 2024 – Present) - Clinical Associate Professor, Division of Breast Imaging, Department of Radiology Seoul National University Hospital, Seoul, Korea (Sep 2022 – Aug 2024) - Clinical Assistant Professor, Division of Breast Imaging, Department of Radiology Seoul National University Hospital, Seoul, Korea (Sep 2018 – Aug 2022) - Medical Professor, Division of Breast Imaging, Department of Radiology Seoul National University Hospital, Seoul, Korea (Mar 2016 – Aug 2018) - Fellow, Division of Breast and Thyroid Imaging, Department of Radiology Yonsei University College of Medicine, Seoul, Korea (Mar 2014 – Feb 2016) - Resident, Department of Radiology Severance Hospital, Yonsei University Health System, Seoul, Korea (Mar 2010 – Feb 2014) 	
Research Field			
<ul style="list-style-type: none"> - Imaging-based prediction modeling in breast cancer Development of imaging-based prediction models to assess treatment response and long-term outcomes in patients with breast cancer. - Conductivity imaging in breast cancer Exploratory studies on MR-based conductivity imaging as a novel, non-invasive approach for breast cancer detection, tumor characterization, and correlation with pathological prognostic factors. - Radiomics and deep learning applications in breast imaging Application of advanced radiomics and deep learning techniques to mammography, ultrasound, and MRI to enhance diagnostic accuracy, response prediction, and clinical decision-making in breast cancer care. 			
Main Scientific Publications			
<ol style="list-style-type: none"> 1. Lee KE, Song SE, Cho KR, Bae MS, Seo BK, <u>Kim SY</u>, Woo OH. Performance of Digital Mammography-Based Artificial Intelligence Computer-Aided Diagnosis on Synthetic Mammography From Digital Breast Tomosynthesis. Korean J Radiol. 2025 Mar;26(3):217-229. 2. <u>Kim SY</u>, Lee J, Cho N, Kim YG. Deep-learning based discrimination of pathologic complete response using MRI in HER2-positive and triple-negative breast cancer. Sci Rep. 2024 Oct 4;14(1):23065. 3. Choi BH, Kang S, Cho N, <u>Kim SY</u>. A Nomogram Using Imaging Features to Predict Ipsilateral Breast Tumor Recurrence After Breast-Conserving Surgery for Ductal Carcinoma In Situ. Korean J Radiol. 2024 Oct;25(10):876-886. 			

4. Kim JH, Kim SY, Cui C, Ji H, Yoen H, Cho N, Kim DH. Problem Solving MRI to Reduce False-Positive Biopsy Related to Breast US: Conductivity vs. DWI vs. Abbreviated Contrast-Enhanced MRI. *J Magn Reson Imaging*. 2024 Apr;59(4):1218-1228.
5. Kim SY, Cho N, Hong H, Lee Y, Yoen H, Kim YS, Park AR, Ha SM, Lee SH, Chang JM, Moon WK. Abbreviated Screening MRI for Women with a History of Breast Cancer: Comparison with Full-Protocol Breast MRI. *Radiology*. 2022 Oct;305(1):36-45.
6. Kwon BR, Shin SU, Kim SY, Choi Y, Cho N, Kim SM, Yi A, Yun B, Jang M, Ha SM, Lee SH, Chang JM, Moon WK. Microcalcifications and Peritumoral Edema Predict Survival Outcome in Luminal Breast Cancer Treated with Neoadjuvant Chemotherapy. *Radiology*. 2022 Aug;304(2):310-319.
7. Suh J, Kim JH, Kim SY, Cho N, Kim DH, Kim R, Kim ES, Jang MJ, Ha SM, Lee SH, Chang JM, Moon WK. Noncontrast-Enhanced MR-Based Conductivity Imaging for Breast Cancer Detection and Lesion Differentiation. *J Magn Reson Imaging*. 2021 Aug;54(2):631-645.
8. Kim SY, Cho N, Choi Y, Lee SH, Ha SM, Kim ES, Chang JM, Moon WK. Factors Affecting Pathologic Complete Response Following Neoadjuvant Chemotherapy in Breast Cancer: Development and Validation of a Predictive Nomogram. *Radiology*. 2021 May;299(2):290-300.
9. Kim SY, Cho N, Kim SY, Choi Y, Kim ES, Ha SM, Lee SH, Chang JM, Moon WK. Supplemental Breast US Screening in Women with a Personal History of Breast Cancer: A Matched Cohort Study. *Radiology*. 2020 Apr;295(1):54-63.
10. Kim SY, Cho N, Park IA, Kwon BR, Shin SU, Kim SY, Lee SH, Chang JM, Moon WK. Dynamic Contrast-enhanced Breast MRI for Evaluating Residual Tumor Size after Neoadjuvant Chemotherapy. *Radiology*. 2018 Nov;289(2):327-334.