




KSUM 2023 Invited Speaker's CV

All fields marked with an asterisk (*) should be completed.

Name*	Bo Kyoung Seo		
EDUCATIONAL BACKGROUND			
Country*	Republic of Korea		
Current Affiliation*	Professor in Department of Radiology, Korea University, Seoul, Korea		
Specialty*	Breast Imaging		
Education* (100 words)	1988.3 - 1994.2	Bachelor in Medical College Korea University, Seoul, Korea	
	1995.9 - 1997.8	Master in Radiology Graduate School of Korea University, Seoul, Korea	
	1998.3 - 2001.2	Ph.D in Radiology Graduate School of Korea University, Seoul, Korea	
	2003.5 – 2004.8 & 2009.1 – 2009.12	Research Fellow in Radiology University of North Carolina, USA	
Post-Graduate Education* (100 words)	1995. 3 – 1999. 2	Resident in Department of Radiology Korea University Medical Center, Seoul, Korea	
	1999.3 – 2000.2	Clinical Fellow in Department of Radiology Asan Medical Center, Seoul, Korea	
	2000.3 – 2001.2	Clinical Fellow in Department of Radiology Korea University Medical Center, Seoul, Korea	
	2001.3 – 2003.2	Clinical Professor in Department of Radiology Korea University Medical Center, Seoul, Korea	
	2003.3 – 2005.8	Professor in Department of Radiology Konkuk University Hospital, Seoul, Korea	
	2005.9 - present	Professor in Department of Radiology Korea University Medical School, Seoul, Korea	



	<p>2018.1 – 2019.12 Assistant Dean for Student Affairs Korea University College of Medicine, Seoul, Korea</p> <p>2020.1 – 2021.11 Chief of Department of Radiology Korea University Ansan Hospital</p> <p>2021.12 – 2023.4 Director of Hospital Education and Training Korea University Ansan Hospital</p> <p>2023.4 - Director of Education and Training Korea University Medicine</p>
<p>Academic Appointments* (200 words)</p>	<p>2022.1 – 2023.12 President of the Korean Society of Breast Imaging and President of the Korean Society for Breast Screening</p> <p>Member of National Academy of Medicine of Korea</p> <p>Member of the Korean Society of Radiology</p> <p>Member of the Korean Society of Breast Imaging</p> <p>Member of the Korean Society for Breast Screening</p> <p>Member of the Korean Society of Ultrasound in Medicine</p> <p>Member of the Korean Society of Magnetic Resonance in Medicine</p>
<p>Scientific Publications* (200 words)</p>	<ol style="list-style-type: none"> 1. Radiomic machine learning for predicting prognostic biomarkers and molecular subtypes of breast cancer using tumor heterogeneity and angiogenesis properties on MRI. <i>European Radiology</i> 2022;32(1):650 2. MAX: a simple, affordable, and rapid tissue clearing reagent for 3D imaging of wide variety of biological specimens. <i>Sci Rep</i> 2022; 14(1):19508. 3. Machine learning with multiparametric breast MRI for prediction of Ki-67 and histologic grade in early-stage luminal breast cancer. <i>European Radiology</i> 2022;32(2):853 4. Machine Learning Models That Integrate Tumor Texture and Perfusion Characteristics Using Low-Dose Breast Computed Tomography Are Promising for Predicting Histological Biomarkers and Treatment Failure in Breast Cancer Patients. <i>Cancers</i> 2021;13(23):6013 5. Prediction of Inflammatory Breast Cancer Survival Outcomes Using Computed Tomography-based Texture Analysis. <i>Frontiers in Bioengineering and Biotechnology</i> 2021;20(9):695305 6. Breast ultrasound microvascular imaging and radiogenomics. <i>Korean J Radiol.</i> 2021;22(5):677. 7. Simultaneous Multislice Readout-Segmented Echo Planar Imaging for Diffusion-Weighted MRI in Patients With Invasive Breast Cancers. <i>Journal of Magnetic Resonance Imaging</i> 2021: 53(4):1108. 8. Versatile Low-Cost Volumetric 3D Ultrasound Imaging Using Gimbal-Assisted Distance Sensors and an Inertial Measurement Unit. <i>Sensors</i> 2020;20(22):6613 9. Radiogenomic Analysis of Breast Cancer by Using B-Mode and Vascular US and RNA



Sequencing. *Radiology* 2020;295(1):24.

10. Preoperative tumor size measurement in breast cancer patients: which threshold is appropriate on computer-aided detection for breast MRI? *Cancer Imaging* 2020;20(1):32.

11. Tumor stiffness measured by shear wave elastography correlates with tumor hypoxia as well as histologic biomarkers in breast cancer. *Cancer Imaging* 2020;20(1):85

12. Simultaneous Multislice Readout-Segmented Echo Planar Imaging for Diffusion-Weighted MRI in Patients With Invasive Breast Cancers. *J Magn Reson Imaging* 2020 Nov. Online ahead of print

13. Low-Dose Perfusion Computed Tomography for Breast Cancer to Quantify Tumor Vascularity: Correlation With Prognostic Biomarkers. *Invest Radiol.* 2019;54(5):273.

14. Machine Learning Approaches to Radiogenomics of Breast Cancer using Low-Dose Perfusion Computed Tomography: Predicting Prognostic Biomarkers and Molecular Subtypes. *Sci Rep* 2019; 9(1):17847.

15. A Prospective Study on the Value of Ultrasound Microflow Assessment to Distinguish Malignant from Benign Solid Breast Masses: Association between Ultrasound Parameters and Histologic Microvessel Densities. *Korean J Radiol.* 2019;20(5):759.

16. Kinetic Features of Invasive Breast Cancers on Computer-Aided Diagnosis Using 3T MRI Data: Correlation with Clinical and Pathologic Prognostic Factors. *Korean J Rad*