• **Name:** Kim, Eun-Kyung
• **Current Position & Affiliation:** Professor, Yonsei University, College of Medicine, Department of Radiology
• **Country:** Korea

• **Educational Background:**
-1990 Yonsei University College of Medicine, B.S.
-1995 Residency in Radiology at Severance Hospital
-1995 Radiology, Yonsei University College of Medicine, M.D
-1999 Radiology, Yonsei University College of Medicine, Ph.D

• **Professional Experience:**

2000-present Professor, Department of Radiology, Yonsei University College of Medicine
2020-2022 President of the Korean Society of Breast Imaging
2022- Present Director of Yongin Severance Hospital

• **Professional Organizations:**

Korean Society of Radiology
Korean Society of Breast Imaging
Korean Society of Thyroid Association

• **Main Scientific Publications:**

1. Lee SE, Han K, Rho M, **Kim E-K**. Artificial intelligence-based computer-aided diagnosis abnormality score trends in the serial mammography of patients with breast cancer. Eur J Radiol. 2024 Sep;178:111626. **(corresponding author)**

2. Lee SE, Hong H, **Kim E-K**. Positive Predictive Values of Abnormality Scores from a Commercial Artificial Intelligence-Based Computer-Aided Diagnosis for Mammography. Korean J Radiol. 2024 Apr;25(4):343-350 **(corresponding author)**

3. Oh K, Lee SE, **Kim E-K**. 3D breast nodule detection on automated breast ultrasound using faster region-based convolutional neural networks and U-net. Sci Rep 2023 Dec;13(1):22625 **(corresponding author)**

4. Lee S, **Kim E-K**, Chung SY, Shin HJ. Efficient Collaboration Between Radiologists Using the PACS-Integrated Refer Function to Reduce Communication Times. J Digit Imaging. 2023 Oct;36(5):1995-2002

5. Youk JH, Han K, Lee SE, **Kim E-K**. Consistency of Artificial Intelligence (AI)-based Diagnostic Support Software in Short-term Digital Mammography Reimaging After Core Needle Biopsy. J Digit Imaging. 2023 Oct;36(5):1965-1973. **(corresponding author)**

6. Yoon JH, **Kim E-K**. Beyond the *AJR*: Deep Learning Model for Risk-Based Breast Cancer Screening. AJR 2023. Jul; 221:141 **(corresponding author)**

7. Yoon JH, Jan K, Suh HJ, Youk JH, Lee SE, **Kim E-K**. Artificial intelligence-based computer-assisted detection/diagnosis (AI-CAD) for screening mammography: Outcomes of AI-CAD in the mammographic interpretation workflow. Eur J Radiol Open 2023 July;11:100509 **(corresponding author)**

8. Shin HJ, Han K, Ryu L, **Kim E-K**. The impact of artificial intelligence on the reading times of radiologists for chest radiographs. NPJ Digit Med 2023 Apr;6(1):82 **(corresponding author)**

9. Lee SE, Han K, Yoon JH, Youk JH, **Kim E-K.** Depiction of breast cancers on digital mammograms by artificial intelligence-based computer-assisted diagnosis according to cancer characteristics. Eur Radiol 2022 Nov;32(11):7400-7408 **(corresponding author)**

10. Lee S, Shin HJ, Kim S, **Kim E-K**, Successful implementation of an Artificial Intelligence-Based Computer-Aided Detection System for Chest Radiography in Daily Clinical Practice. Korean J Radiol 2022 Sep;23(9):847-852 **(corresponding author)**

11. Lee SE, Han K, **Kim EK**. Application of artificial intelligence-based computer-assisted diagnosis on synthetic mammograms from breast tomosynthesis: comparison with digital mammograms. Eur Radiol 2021 Sep;31(9):6929-6937 **(corresponding author)**

12. Kim H, Kim HH, Han BK, Kim KH, Han K, Nam H, Lee EH, **Kim E-K**. Changes in cancer detection and false-positive recall in mammography using artificial intelligence: a retrospective, multireader study. Lancet Digital Health 2020 Mar;2(3):e138-e148 **(corresponding author)**