

## Curriculum Vitae

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**Present Status & Affiliation:** Assistant Professor (Breast Section), Department of Radiology, Seoul National University Hospital, Seoul, Korea.

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### Education

2002.03-2004.02 : Yonsei University College of Medicine. Premedical school.  
2004.03-2008.02 : Yonsei University College of Medicine, M.D.  
2011.03-2013.08 : Yonsei University Graduate School, M.S. (Radiology)  
2014.03-2016.08 : Yonsei University Graduate School, Ph.D. (Radiology)

### Training

2008.03-2009.02 : Internship, Severance Hospital.  
2010.03-2014.02 : Radiology Residency, Severance Hospital.  
2014.03-2016.02 : Radiology Fellowship, Severance Hospital.  
2016.03- 2018.08 : Clinical Assistant Professor, Seoul National University Hospital.  
2018.09~present: Assistant Professor, Seoul National University Hospital.

### Member

Member of Korean Society of Radiology  
Member of Korean Society of Breast Imaging  
Member of Radiology Society of North America

### Award

2013: The Best investigator, Yonsei University Graduate School, M.S.  
2016: The Best investigator, Yonsei University Graduate School, Ph.D.  
2016: The Best oral presentation, Korean Society of Magnetic Resonance in Medicine.  
2016: The Best reviewer, Korean Journal of Radiology.  
2016: The Young investigator, Korean Society of Breast Imaging.  
2018: The Young investigator, Global Breast Cancer Conference (GBCC).  
2019: The Best investigator, Korean Society of Breast Imaging.

### Publications

1. Kim SY, Lee HJ, Kim YJ, Hur J, Hong YJ, Yoo KJ, Chang HJ, Kim TH, Han KH, Choi BW. Coronary Computed Tomography Angiography for Selecting Coronary Artery Bypass Graft Surgery Candidates. Ann Thorac Surg. 2013 Apr;95(4):1340-6.  
2. Kim SY, Kim MJ, Yoon CS, Lee MS, Han KH, Lee MJ. Comparison of the reliability of two hydronephrosis grading systems: The Society for Foetal Urology grading system vs. the Onen grading system. Clin Radiol. 2013 Sep;68(9):e484-90.

3. Kim SY, Han KH, Moon HJ, Kwak JY, Chung WY, Kim EK. Thyroid Nodules with Benign Findings at Cytologic Examination: Results of Long-term Follow-up with US. *Radiology*. 2014 Apr;271(1):272-81.
4. Kim SY, Kim EK, Kwak JY, Moon HJ, Yoon JH. What to do with thyroid nodules showing benign cytology and BRAFV600E mutation? A study based on clinical and radiologic features using a highly sensitive analytic method. *Surgery*. 2015 Feb;157(2):354-61.
5. Kim SY, Kim HY, Kim EK, Kim MJ, Yoon JH. Evaluation of malignancy risk stratification of microcalcifications detected on mammography: A Study Based on the 5<sup>th</sup> Edition of BI-RADS. *Ann Surg Oncol*. 2015 Sep;22(9):2895-901.
6. Kim SY, Kim EK, Moon HJ, Yoon JH, Kwak JY. Application of Texture Analysis in the Differential Diagnosis of Benign and Malignant Thyroid Nodules: Comparison With Gray-Scale Ultrasound and Elastography. *AJR Am J Roentgenol*. 2015 Sep;205(3):W343-51.
7. Kim SY, Kim EK, Kwak JY, Yoon JH, Moon HJ. Association of Preoperative US Features and Recurrence in Patients with Classic Papillary Thyroid Carcinoma. *Radiology*. 2015 Nov;277(2):574-83.
8. Kim SY, Lee HS, Kim EK, Moon HJ, Yoon JH, Hong JH, Kwak JY. Follow-up US may be enough for thyroid nodules from 5mm to 1cm in size. *Endocrine*. 2016 Apr;52(1):130-8.
9. Kim SY, Kim EK, Lee HS, Kim MJ, Yoon JH, Koo JS, Moon HJ. Asymptomatic Benign Papilloma Without Atypia Diagnosed at Ultrasonography-Guided 14-Gauge Core Needle Biopsy: Which Subgroup can be Managed by Observation? *Ann Surg Oncol*. 2016 Jun;23(6):1860-6.
10. Kim SY, Kim EK, Moon HJ, Yoon JH, Kim MJ. Is Pre-Operative Axillary Staging with Ultrasound and Ultrasound-Guided Fine-Needle Aspiration Reliable in Invasive Lobular Carcinoma of the Breast? *Ultrasound Med Biol*. 2016 Jun;42(6):1263-72.
11. Kim SY, Shin JW, Kim DH, Kim MJ, Kim EK, Moon HJ, Yoon JH. Correlation between conductivity and prognostic factors in invasive breast cancer using magnetic resonance electric properties tomography (MREPT). *Eur Radiol*. 2016 Jul;26(7):2317-26.
12. Kim SY, Kim EK, Yoon JH, Kwon HJ, Song MK, Kwak JY. Combined use of conventional smear and liquid-based preparation versus conventional smear for thyroid fine-needle aspiration. *Endocrine*. 2016 Jul;53(1):157-65.
13. Kim SY, Kim MJ, Moon HJ, Yoon JH, Kim EK. Application of the downgrade criteria to supplemental screening ultrasound for women with negative mammography but dense breasts. *Medicine (Baltimore)*. 2016 Nov;95(44):e5279.
14. Kim SY, Lee HS, Kim EK, Kim MJ, Moon HJ, Yoon JH. Effect of Background Parenchymal Enhancement on Pre-Operative Breast Magnetic Resonance Imaging: How It Affects Interpretation and the Role of Second-Look Ultrasound in Patient Management. *Ultrasound Med Biol*. 2016 Dec;42(12):2766-2774.
15. Kim SY, Lee HS, Moon J, Kim EK, Moon HJ, Yoon JH, Kwak JY. Fine-needle aspiration versus core needle biopsy for diagnosis of thyroid malignancy and neoplasm: a matched cohort study. *Eur Radiol*. 2017 Feb;27(2):801-811.
16. Kim SY, Lee E, Nam SJ, Kim EK, Moon HJ, Yoon JH, Han KH, Kwak JY. Ultrasound texture analysis: Association with lymph node metastasis of papillary thyroid microcarcinoma. *PLoS One*. 2017 Apr 18;12(4):e0176103.
17. Kim SY, Han BK, Kim EK, Choi WJ, Choi Y, Kim HH, Moon WK. Breast Cancer Detected at Screening US: Survival Rates and Clinical-Pathologic and Imaging Factors Associated with Recurrence. *Radiology*. 2017 Aug;284(2):354-364.
18. Kim SY, Cho N, Shin SU, Lee HB, Han W, Park IA, Kwon BR, Kim SY, Lee SH, Chang JM, Moon WK. Contrast-enhanced MRI after neoadjuvant chemotherapy of breast cancer:

lesion-to-background parenchymal signal enhancement ratio for discriminating pathological complete response from minimal residual tumour. *Eur Radiol*. 2018 Jul;28(7):2986-2995.

19. Kim SY, Shin J, Kim DH, Kim EK, Moon HJ, Yoon JH, You JK, Kim MJ. Correlation between electrical conductivity and apparent diffusion coefficient in breast cancer: effect of necrosis on magnetic resonance imaging. *Eur Radiol*. 2018 Mar 6. doi: 10.1007/s00330-017-5291-0. [Epub ahead of print].

20. 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;289(2):327-334

21. Kim SY, Kim EK, Moon HJ, Yoon JH, Koo JS, Kim SG, Kim MJ. Association among T2 signal intensity, necrosis, ADC and Ki-67 in estrogen receptor-positive and HER2-negative invasive ductal carcinoma. *Magn Reson Imaging*. 2018;54:176-182