



## AFSUMB Invited Speaker's CV

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

<b>Name*</b>	Hyo-Jin Kang	
<b>EDUCATIONAL BACKGROUND</b>		
<b>Country*</b>	Korea	
<b>Current Affiliation*</b>	Seoul National University Hospital	
<b>Specialty*</b>	Abdomen	
<b>Education*</b> <b>(100 words)</b>	2011.02 College of Medicine, B.M., M.D. Seoul National University, college of medicine	
<b>Post-Graduate Education*</b> <b>(100 words)</b>	2015.02 Graduate School, M.M. Seoul National University, college of medicine 2021.02 – Graduate School, Ph. D., Seoul National University, college of medicine	
<b>Academic Appointments*</b> <b>(200 words)</b>	2017.03 – Current, Assistant Professor of Radiology, Seoul National University Hospital	



<p><b>Scientific Publications*</b> (200 words)</p>	<ol style="list-style-type: none"> <li>1. H-J Kang, JM Lee, I Joo, BY Hur, JH Jeon, JY Jang, KB Lee, JK Rye, JK Han, BI Choi, Assessment of malignant potential in intraductal papillary mucinous neoplasms of the pancreas: Comparison between multidetector CT and MR imaging with MR cholangiopancreatography. <i>Radiology</i> 2016;279(1):128-139</li> <li>2. H-J Kang, JM chang, JY Lee, SE Song, SU Shin, WH Kim, MS Bae, WK Moon, 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. <i>Eur J Radiol</i> 2016;85(11):2042-2048</li> <li>3. H-J Kang, YI Kim, HC Kim, HJ Jae, S Hur, JW Chung, Does Establishing a Safety Margin Reduce Local Recurrence in Subsegmental Transarterial Chemoembolization for Small Nodular Hepatocellular Carcinomas? <i>Korean J Radiol</i> 2015;16(5):1068-1078</li> <li>4. H-J Kang, JM Lee, JH Yoon, I Joo, W Chang, KS Suh, KW Lee, NJ Yi, JK Han, Additional values of high-resolution gadoxetic acid-enhanced MR cholangiography for evaluating the biliary anatomy of living liver donors: Comparison with T2-weighted MR cholangiography and conventional gadoxetic acid-enhanced MR cholangiography. <i>J Magn Reson Imaging</i> 2018;47(1):152-159</li> <li>5. H-J Kang, SH Kim, C-I Shin, I Joo, H Ryu, SG Kim, JP Im, JK Han, Sub-millisievert CT colonography: effect of knowledge-based iterative reconstruction on the detection of colonic polyps. <i>Eur Radiol</i> 2018;28(12):5258-5266.</li> <li>6. H-J Kang, JH Kim, SM Lee, HK Yang, SJ Ahn, JK Han, Additional value of contrast-enhanced ultrasonography for fusion-guided, percutaneous biopsies of focal liver lesions: prospective feasibility study. <i>Abd Radiol</i> 2018;43(12):3279-3287.</li> <li>7. H-J Kang, SH Kim, JS Bae, SK Jeon, JK Han, Can quantitative iodine parameters on DECT replace perfusion CT parameters in colorectal cancers? <i>Eur Radiol</i> 2018;28(11):4775-4782.</li> <li>8. H-J Kang, JM Lee, SJ Ahn, JS Bae, S Kannengiesser, B Kiefer, KS Suh, Clinical Feasibility of Gadoxetic Acid-Enhanced Isotropic High-Resolution 3-Dimensional Magnetic Resonance Cholangiography Using an Iterative Denoising Algorithm for Evaluation of the Biliary Anatomy of Living Liver Donors. <i>Invest Radiol</i> 2019;54(2):103-109.</li> <li>9. H-J Kang, JY Lee, KB Lee, I Joo, K-S Suh, H-Ki Lee, JK Han, Addition of Reliability Measurement Index to Point Shear Wave Elastography: Prospective Validation via Diagnostic Performance and Reproducibility. <i>Ultrasound Med Biol</i> 2019 ;45(7) :1594-1602.</li> <li>10. H-J Kang, JM Lee, SK Jeon, H Ryu, J Yoo, JK Lee, JK Han, Microvascular Flow Imaging of Residual or Recurrent Hepatocellular Carcinoma after Transarterial Chemoembolization: Comparison with Color/Power Doppler Imaging. <i>Korean J Raiol</i> 2019;20(7) :1114-1123.</li> <li>11. H-J Kang, JM Lee, SM Lee, HK Yang, RH Kim, JG Nam, A Karnawat, JK Han, Value of virtual monochromatic spectral image of dual-layer spectral detector CT with noise</li> </ol>
--	---



reduction algorithm for image quality improvement in obese simulated body phantom. BMC Med Imaging 2019;19(1):76-86

12. H-J Kang, JH Kim, I Joo, JK Han. Additional value of contrast-enhanced ultrasound (CEUS) on arterial phase non-hyperenhancement observations ( $\geq 2$  cm) of CT/MRI for high-risk patients: focusing on the CT/MRI LI-RADS categories LR-3 and LR-4. Abd Radiol 2020;45(1):55-63

13. H-J Kang, DH Lee, JM Lee, J Yoo, E Weiland, EJ Kim, Y Son. Clinical Feasibility of Abbreviated Magnetic Resonance with Breath-hold 3D Magnetic Resonance Cholangiopancreatography for Surveillance of Pancreatic Intraductal Papillary Mucinous Neoplasm. Invest Radiol 2020;55(5):262-269

14. H-J Kang, JY Lee, EJ Park, HJ Lee, S-W Ha, YD Ahn, Y Cheon, JK Han. Synergistic Effects of Pulsed Focused Ultrasound and a Doxorubicin-Loaded Microparticle-Microbubble Complex in a Pancreatic Cancer Xenograft Mouse Model. Ultras Med Biol 2020;46(11):3046-3058.

15. H-J Kang, JM Lee, JH Yoon, K Lee, H Kim, HJ Kan. Contrast-enhanced US with sulfur hexafluoride and perfluorobutane for the diagnosis of hepatocellular carcinoma in individuals with high risk. Radiology 2020 E-pub

16. H-J Kang, JM Lee, SK Jeon, S Jang, S Park, I Joo, JH Yoon, JK Han. Intra-individual comparison of dual portal venous phases for non-invasive diagnosis of hepatocellular carcinoma at gadoxetic acid-enhanced liver MRI. Eur Radiol 2021;31(2):824-833.

17. H-J Kang, JM Lee, JH Yoon, JK Han. Role of Contrast-Enhanced Ultrasound as a Second-Line Diagnostic Modality in Noninvasive Diagnostic Algorithms for Hepatocellular Carcinoma. Korean J Raiol 2021;22(3):354

18. H-J Kang, DH Lee, SJ Park, JK Han. Virtual noncontrast images derived from dual-energy CT for assessment of hepatic steatosis in living liver donors. Eur J Radiol 2021;139:109687

19. H-J Kang, H Kim, DH Lee, BY Hur, YJ Hwang, K-S Suh, JK Han. Gadoxetate-enhanced MRI features of proliferative hepatocellular carcinoma are prognostic after surgery. Radiology 2021;300(3):572-582.

20. H-J Kang, JH Kim, J Yoo, JK Han Diagnostic criteria of perfluorobutane-enhanced ultrasonography for diagnosing hepatocellular carcinoma in high-risk individuals: how is late washout determined? Ultrasonography 2022;41(4):530-542

21. H-J Kang, JH Kim, J Yoo, W Chang. Important CT Findings for Prediction of Incomplete (R1 or R2) Resection and Poor Survival of Perihilar Cholangiocarcinoma after Curative-Intent Surgery. Korean J Abdom Radiol 2022;6:37-50.

22. H-J Kang, JM Lee, JH Yoon, J Yoo, Y Choi, I Joo, JK Han. Sonazoid<sup>TM</sup> versus SonoVue<sup>®</sup> for Diagnosing Hepatocellular Carcinoma Using Contrast-Enhanced Ultrasound in At-Risk Individuals: A Prospective, Single-Center, Intraindividual, Noninferiority Study. Korean J Raiol 2022;23(11):1067-1077



23. H-J Kang, JM Lee, C Ahn, JS Bae, S Han, SW Kim, JH Yoon, JK Han. Low dose of contrast agent and low radiation liver computed tomography with deep-learning-based contrast boosting model in participants at high-risk for hepatocellular carcinoma: prospective, randomized, double-blind study. *Eur Radiol* 2023;33:3660-3670
24. H-J Kang, JM Lee, Image Quality Improvement of Low-dose Abdominal CT using Deep Learning Image Reconstruction Compared with the Second Generation Iterative Reconstruction. *Curr Med Imaging* 2024;20:e250523217310
25. H-J Kang, JM Lee, Sonazoid-enhanced ultrasonography for noninvasive imaging diagnosis of hepatocellular carcinoma: special emphasis on the 2022 KLCA-NCC guideline. *Ultrasonography* 2023;42(4):479-489
26. H-J Kang, JM Lee, Contrast-Enhanced Ultrasound With Perfluorobutane for Hepatocellular Carcinoma Diagnosis: Comparison of Imaging Phases and Diagnostic Criteria. *Am J Roentgenol* 2024;222(2)