

Curriculum Vitae

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Affiliation	Department of Radiology, Seoul National University Hospital
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Educational Background

UNDERGRADUATE: Department of Biological Sciences
Korea Advanced Institute of Science and Technology (March 2001-February 2008)

GRADUATE: College of Medicine - M.D.
Seoul National University (March 2008 - February 2012)

Graduate School - M.S.
Seoul National University (March 2015 - February 2017)

Graduate School – Ph.D.
Seoul National University (March 2017 – February 2020)

Professional Career

Rotating Internship
Seoul National University Hospital, Seoul (March 2012 - February 2013)

Radiology Residency
Seoul National University Hospital, Seoul (March 2013 - February 2017)

Radiology Fellowship
Seoul National University Hospital, Seoul (March 2017 – February 2018)

Research Field

Pancreatic focal lesion, liver cancer, diffuse liver disease

1. Bae JS, Lee DH, Suh KS, Kim H, Lee K, Lee JY, Han JK. Noninvasive assessment of hepatic steatosis using a pathologic reference standard: Comparison of CT, MRI, and US-based techniques. *Ultrasonography*. 2022 Jan;41(2):344-354.
2. Bae JS, Lee JM, Jeon SK, Yoo J, Park SJ, Yoon JH, Joo I, Lee KB, Kim H. LI-RADS Tumor in Vein at CT and Hepatobiliary MRI. *Radiology*. 2022 Jan;302(1):107-115.
3. Bae JS*, Chang W*, Kim SH, Choi Y, Kong SH, Lee HJ, Yang HK, Kwak Y, Kim HH, Han JK. Development of a predictive model for extragastric recurrence after curative resection for early gastric cancer. *Gastric Cancer*. 2022 Jan;25(1):255-264. (co-first authors)
4. Bae JS, Kim JH, Kang HJ, Han JK. Prediction of residual tumor and overall survival after first-line surgery in patients with pancreatic ductal adenocarcinoma using preoperative magnetic resonance imaging findings. *Acta Radiol*. 2022 Jan;63(4):435-446.
5. Bae JS, Lee JM, Yoon JH, Kang HJ, Jeon SK, Joo I, Lee KB, Kim H. Evaluation of LI-RADS v2018 treatment response algorithm for hepatocellular carcinoma in liver transplant candidates: intraindividual comparison between CT and hepatobiliary agent-enhanced MRI. *Radiology*. 2021 May;299(2):336-345.
6. Bae JS, Kim JH, Lee DH, Kim JH, Han JK. Hepatobiliary phase of gadoxetic acid-enhanced MRI in patients with HCC: prognostic features before resection, ablation, or TACE. *Eur Radiol*. 2021 Jun;31(6):3627-3637.
7. Bae JS, Lee DH, Yi NJ, Lee KW, Suh KS, Kim H, Lee KB, Choi Y. Magnetic Resonance Elastography Versus Transient Elastography in the Prediction of Complications After Resection for Hepatocellular Carcinoma. *Ann Surg*. 2020 Oct 19. doi: 10.1097/SLA.0000000000004576. Online ahead of print.
8. Bae JS, Lee DH, Yoo J, Yi NJ, Lee KW, Suh KS, Kim H, Lee KB. Association between spleen volume and the post-hepatectomy liver failure and overall survival of patients with hepatocellular carcinoma after resection. *Eur Radiol*. 2021 Apr;31(4):2461-2471.
9. Bae JS, Lee JM, Yoon JH, Jang S, Chung JW, Lee KB, Yi NJ, Lee JH. How to Best Detect Portal Vein Tumor Thrombosis in Patients with Hepatocellular Carcinoma Meeting the Milan Criteria: Gadaxetic Acid-Enhanced MRI versus Contrast-Enhanced CT. *Liver Cancer*. 2020 Jun;9(3):293-307.
10. Bae JS, Lee DH, Lee JY, Kim H, Yu SJ, Lee JH, Cho EJ, Lee YB, Han JK, Choi BI. Quantitative Assessment of Fatty Liver using Ultrasound with Normalized Local Variance Technique. *Ultraschall Med*. 2021 Apr;42(6):599-606.
11. Bae JS, Kim SH, Yoo J, Kim H, Han JK. Differential and prognostic MRI features of gallbladder neuroendocrine tumors and adenocarcinomas. *Eur Radiol*. 2020 May;30(5):2890-2901.
12. Bae JS, Lee JM, Jeon SK, Jang S. Comparison of MicroFlow Imaging with color and power Doppler imaging for detecting and characterizing blood flow signals in hepatocellular carcinoma. *Ultrasonography*. 2020 Jan;39(1):85-93.
13. Bae JS, Lee JY, Lee DH, Kim H, Lee Y, Han JK. Quantitative Evaluation of Hepatic Steatosis Using Normalized Local Variance in a Rat Model: Comparison with Histopathology as the Reference Standard.

14. Bae JS, Lee DH, Lee JY, Kim H, Yu SJ, Lee JH, Cho EJ, Lee YB, Han JK, Choi BI. Assessment of hepatic steatosis by using attenuation imaging: a quantitative, easy-to-perform ultrasound technique. *Eur Radiol.* 2019 Dec;29(12):6499-6507.
15. Bae JS, Lee DH, Joo I, Jeon SK, Han JK. Utilization of virtual non-contrast images derived from dual-energy CT in evaluation of biliary stone disease: Virtual non-contrast image can replace true non-contrast image regarding biliary stone detection. *Eur J Radiol.* 2019 Jul;116:34-40.
16. Bae JS, Kim SH, Kang HJ, Kim H, Ryu JK, Jang JY, Lee SH, Paik WH, Kwon W, Lee JY, Han JK. Quantitative contrast-enhanced US helps differentiating neoplastic vs non-neoplastic gallbladder polyps. *Eur Radiol.* 2019 Jul;29(7):3772-3781.
17. Bae JS, Kim JH, Joo I, Chang W, Han JK. MDCT findings predicting post-operative residual tumor and survival in patients with pancreatic cancer. *Eur Radiol.* 2019 Jul;29(7):3714-3724.
18. Bae JS, Kim SH, Hur BY, Chang W, Park J, Park HE, Kim JH, Kang HJ, Yu MH, Han JK. Prognostic value of MRI in assessing extramural venous invasion in rectal cancer: multi-readers' diagnostic performance. *Eur Radiol.* 2019 Aug;29(8):4379-4388.
19. Bae JS, Lee JM, Park SJ, Lee KB, Han JK. Magnetic resonance elastography of healthy livers at 3.0 T: Normal liver stiffness measured by SE-EPI and GRE. *Eur J Radiol.* 2018 Oct;107:46-53.
20. Bae JS, Yoo RE, Choi SH, Park SO, Chang H, Suh M, Cheon GJ. Evaluation of lymphedema in upper extremities by MR lymphangiography: Comparison with lymphoscintigraphy. *Magn Reson Imaging.* 2018 Jun;49:63-70.
21. Bae JS, Kim JH, Yu MH, Lee DH, Kim HC, Chung JW, Han JK. Diagnostic accuracy of gadoxetic acid-enhanced MR for small hypervascular hepatocellular carcinoma and the concordance rate of Liver Imaging Reporting and Data System (LI-RADS). *PLoS One.* 2017 May 30;12(5):e0178495.
22. Bae JS, Park EA, Lim J, Lee W, Park JH. Multi-Detector CT Coronary Angiographic Findings of Coronary-to-Pulmonary Artery Fistula. *J Korean Soc Radiol.* 2017 Jan;76(1):39-47.
23. Bae JS, Chang JM, Lee SH, Shin SU, Moon WK. Prediction of invasive breast cancer using shear-wave elastography in patients with biopsy-confirmed ductal carcinoma in situ. *Eur Radiol.* 2017 Jan;27(1):7-15.
24. Bae JS, Kim SH, Shin CI, Joo I, Yoon JH, Lee HJ, Yang HK, Baek JH, Kim TH, Han JK, Choi BI. Efficacy of Gastric Balloon Dilatation and/or Retrievable Stent Insertion for Pyloric Spasms after Pylorus-Preserving Gastrectomy: Retrospective Analysis. *PLoS One.* 2015 Dec 10;10(12):e0144470.