


Curriculum Vitae

Personal Information			
Title	진료교수		
Name	전선경		
Degree	MD, PhD		
Country	대한민국		
Affiliation	서울대학교병원		
			
		Educational Background	
		2009.03 – 2013.02 서울대학교 의과대학 학사	
		2016.03 – 2018.02 서울대학교 의과대학 영상의학전공 석사	
		2019.03 – 2021.02 서울대학교 의과대학 영상의학전공 박사	
Professional Career			
2013.03 – 2014.02 서울대학교병원 인턴			
2014.03 – 2018.02 서울대학교병원 영상학과 전공의			
2018.03 – 2018.09 서울대학교병원 영상학과 전임의			
2018.10 – Current 서울대학교병원 영상학과 진료교수			
Research Field			
간, 췌담도 영상진단			
Main Scientific Publications			
1. Jeon SK, Lee JM, Joo I, Lee ES, Park HJ, Jang JY et al. Nonhypervascular pancreatic neuroendocrine tumors: Differential diagnosis from pancreatic ductal adenocarcinomas at mr imaging-retrospective cross-sectional study. Radiology 2017;284:77-87			
2. Jeon SK, Lee JM, Joo I, Lee DH, Ahn SJ, Woo H et al. Magnetic resonance with diffusion-weighted imaging improves assessment of focal liver lesions in patients with potentially resectable pancreatic cancer on ct. European radiology 2018;28:3484-3493			
3. Jeon SK, Choi YH, Cheon JE, Kim WS, Cho YJ, Ha JY et al. Unenhanced 320-row multidetector computed tomography of the brain in children: Comparison of image quality and radiation dose among wide-volume, one-shot volume, and helical scan modes. Pediatric radiology 2018;48:594-601			
4. Jeon SK, Lee JM, Joo I, Yoon JH, Lee DH, Lee JY et al. Prospective evaluation of hepatic steatosis using ultrasound attenuation imaging in patients with chronic liver disease with magnetic resonance imaging proton density fat fraction as the reference standard. Ultrasound in medicine & biology 2019;45:1407-1416			
5. Jeon SK, Joo I, Lee DH, Lee SM, Kang HJ, Lee KB et al. Combined hepatocellular cholangiocarcinoma: Li-rads v2017 categorisation for differential diagnosis and prognostication on gadoxetic acid-enhanced mr imaging. European radiology 2019;29:373-382			
6. Jeon SK, Lee JM, Joo I, Yoo J, Park JY. Comparison of guidelines for diagnosis of hepatocellular carcinoma using gadoxetic acid-enhanced mri in transplantation candidates. European radiology 2020;30:4762-4771			
7. Jeon SK, Lee JM, Joo I, Yoon JH, Lee DH, Han JK. Two-dimensional shear wave elastography with propagation maps for the assessment of liver fibrosis and clinically significant portal hypertension in patients with chronic liver disease: A prospective study. Academic radiology 2020;27:798-806			
8. Jeon SK, Lee JY, Han JK. Superb microvascular imaging technology of ultrasound examinations for the evaluation of tumor vascularity in hepatic hemangiomas. Ultrasonography . 2021 Oct;40(4):538-545. doi: 10.14366/usg.20177.			

9. **Jeon SK**, Lee JM, Joo I. Clinical feasibility of quantitative ultrasound imaging for suspected hepatic steatosis: Intra- and inter-examiner reliability and correlation with controlled attenuation parameter. **Ultrasound in medicine & biology** 2021;47:438-445
10. **Jeon SK**, Joo I, Bae JS, Park SJ, Lee JM. LI-RADS v2018: how to appropriately use ancillary features in category adjustment from intermediate probability of malignancy (LR-3) to probably HCC (LR-4) on gadoteric acid-enhanced MRI. **European Radiology**. 2021 Jun 16. doi: 10.1007/s00330-021-08116-0.
11. **Jeon SK**, Jang JY, Kwon W, Kim H, Han Y, Kim D, Park D, Kim JH. Diffusion-weighted MR imaging in pancreatic ductal adenocarcinoma: prediction of next-generation sequencing-based tumor cellularity and prognosis after surgical resection. **Abdominal Radiology** (NY). 2021 Oct;46(10):4787-4799. doi:10.1007/s00261-021-03177-7.
12. **Jeon SK**, Lee DH, Park J, Suh KS, Yi NJ, Hong SK, Han JK. Tumor volume measured using MR volumetry as a predictor of prognosis after surgical resection of single hepatocellular carcinoma. **European J Radiology**. 2021 Sep 20;144:109962.
13. **Jeon SK**, Joo I, Kim SY, Jang JK, Park J, Park HS et al. Quantitative ultrasound radiofrequency data analysis for the assessment of hepatic steatosis using the controlled attenuation parameter as a reference standard. **Ultrasonography** (Seoul, Korea) 2021;40:136-146
14. **Jeon SK**, Kim JH, Yoo J, Kim JE, Park SJ, Han JK. Assessment of malignant potential in intraductal papillary mucinous neoplasms of the pancreas using mr findings and texture analysis. **European radiology** 2021 May;31(5):3394-340
15. Choi SH, **Jeon SK**, Lee SS, Lee JM, Hur BY, Kang HJ, Kim H, Park Y. Radio-pathologic correlation of biphenotypic primary liver cancer (combined hepatocellular cholangiocarcinoma): changes in the 2019 WHO classification and impact on LI-RADS classification at liver MRI. **European Radiology**. 2021 May 26. doi:10.1007/s00330-021-07984-w. (**co-first author**)
16. **Jeon SK**, Lee JM, Joo I, Park SJ. Quantitative ultrasound radiofrequency data analysis for the assessment of hepatic steatosis in nonalcoholic fatty liver disease using magnetic resonance imaging proton density fat fraction as the reference standard. **Korean J Radiology**. 2021 Jul;22(7):1077-1086.
17. **Jeon SK**, Lee JM, Lee ES, Yu MH, Joo I, Yoon JH, Jang JY, Lee KB, Lee SH. How to approach pancreatic cancer after neoadjuvant treatment: assessment of resectability using multidetector CT and tumor markers. **European Radiology**. 2021 Jun 25. doi: 10.1007/s00330-021-08108-0.
18. **Jeon SK**, Lee JM, Joo I, Yoon JH. Assessment of the inter-platform reproducibility of ultrasound attenuation examination in nonalcoholic fatty liver disease, **Ultrasonography** 2022 Apr;41(2): 355-364.
19. **Jeon SK**, Lee JY, Kang HJ, Han JK. Additional value of superb microvascular imaging of ultrasound examinations to evaluate focal liver lesions. **European J Radiology**. 2022;152:110332.
20. **Jeon SK**, Kim SH, Shin CI, Yoo J, Park KJ, Ryoo SB, et al. Role of Dedicated Subspecialized Radiologists in Multidisciplinary Team Discussions on Lower Gastrointestinal Tract Cancers. **Korean J Radiology**. 2022;23(7):732-41.
21. **Jeon SK**, Lee JM, Joo I, Yoon JH, Lee G. Two-dimensional Convolutional Neural Network Using Quantitative US for Noninvasive Assessment of Hepatic Steatosis in NAFLD. **Radiology**. 2023;307(1):e221510.
22. **Jeon SK**, Lee DH, Hur BY, Park SJ, Kim SW, Park J. Abbreviated MRI for Secondary Surveillance of Recurrent Hepatocellular Carcinoma After Presumed Curative Treatment. **J Magn Reson Imaging**. 2023;58(5): 1375-1383.
23. Jeon SK, Lee JM, Cho SJ, Byun YH, Jee JH, Kang M. Development and validation of multivariable quantitative ultrasound for diagnosing hepatic steatosis. **Scientific Reports**. 2023;13:15235.
24. Jeon SK, Lee JM, Yoo J, Park S, Joo I, Yoon JH, Lee KB. Intraductal papillary neoplasm of the bile duct: diagnostic value of MRI features in differentiating pathologic subclassifications-type 1 versus type 2. **European Radiology**. 2024;34(7):4674-4685
25. Lee MW, Jeon SK, Paik WH, Yoon JH, Joo I, Lee JM, Lee SH. Prognostic value of initial and longitudinal changes in body composition in metastatic pancreatic cancer. **Journal of Cachexia, Sarcopenia, and Muscle** 2024; 15: 735-745 (**co-first author**)
26. Jeon SK, Lee JM. Inter-platform reproducibility of ultrasound-based fat fraction for evaluating hepatic steatosis in nonalcoholic fatty liver disease. **Insights into imaging** 2024 15:46
27. Jeon SK, Joo I, Park J, Kim JM, Park SJ, Yoon SH. Fully-automated multi-organ segmentation tool applicable to both non-contrast and post-contrast abdominal CT: deep learning algorithm developed using dual-energy CT images. **Scientific reports** 2024; 14:4378
28. Jeon SK, Joo I, Park J, Yoo J. Automated hepatic steatosis assessment on dual-energy CT-derived virtual non-contrast images through fully-automated 3D organ segmentation. **La Radiol Med** 2024;129(7):976
29. Kim HY, Jeon SK, Hae TY, Jung DH, Lee S, Song IH, Chung SW, Kim SY, Lee SS. Development and validation of MRI PDFF Cut-offs for living liver donor eligibility assessment. **Liver Tanspl** 2025;31(3):333-343 (**co-first author**)