


Curriculum Vitae

Personal Information		
Title	대표이사	
Name	김판기	
Degree	박사	
Country	대한민국	
Affiliation	(주) 팬토믹스	
Educational Background		
<p>광운대학교 전기공학 박사 (2012) 광운대학교 전기공학 석사 (2008) 광운대학교 전기공학 학사 (2006)</p>		
Professional Career		
<p>연세대 방사선 의학과 연구소 연구교수 (2015.03~2022.08) 연세대 기초과학연구원 선임연구원 (2014.03~2019.07) 서울대병원 영상의학과 박사후연구원 (2011.03~2012.12) 미국 듀크대병원 박사후연구원 (2011.03~2012.12)</p>		
Research Field		
<p>의료 영상 신호처리 인공지능 자기공명영상 (MRI) 컴퓨터전산화영상 (CT)</p>		
Main Scientific Publications		
<p>Main Achievements (10 max)</p> <ol style="list-style-type: none"> Hwang IC, Chun EJ, Kim PK, Kim M, Park J, Choi HM, Yoon YE, Cho GY, Choi BW. Automated extracellular volume fraction measurement for diagnosis and prognostication in patients with light-chain cardiac amyloidosis. PLoS One. 2025 Jan 22;20(1):e0317741. Park, C. H., Kim, P. K., Kim, Y., Kim, T. H., Hong, Y. J., Ahn, E., ... & Choi, B. W. Development and validation of cardiac diffusion weighted magnetic resonance imaging for the diagnosis of myocardial injury in small animal models. Scientific Reports, 2024. Suh, Y. J., Kim, P. K., Park, J., Park, E. A., Jung, J. I., & Choi, B. W. Phantom-based correction for standardization of myocardial native T1 and extracellular volume fraction in healthy subjects at 3-Tesla cardiac magnetic resonance imaging. <i>European Radiology</i>, 2022, 1-9. Lee SJ, Kim PK, Im DJ, Suh YJ, Hong YJ, Choi BW, Kim YJ. The image quality and diagnostic accuracy of T1-mapping-based synthetic late gadolinium enhancement imaging: comparison with conventional late gadolinium enhancement imaging in real-life clinical situation. J Cardiovasc Magn Reson 2022, 24.1:1-8 Kim PK, Hong YJ, Shim HS, Im DJ, Suh YJ, Lee KH, Hur J, Kim YJ, Choi BW, Lee HJ, "Serial T1 mapping of right ventricle in pulmonary hypertension: Comparison with histology in an animal study," J Cardiovasc Magn Reson 23, 64 (2021) 		

6. Shin TH¹, **Kim PK**¹, Kang S, Cheong J, Kim S, Lim Y, Shin W, Jung JY, Lah JD, Choi BW, Cheon J. High-resolution T1 MRI via renally clearable dextran nanoparticles with an iron oxide shell. *Nat Biomed Eng.* 2021 Mar;5(3):252-263.
7. Lee EJ, **Kim PK**, Choi BW, Jung JI, “Phantom-validated reference values of myocardial mapping and extracellular volume at 3 T in healthy Koreans,” *Investig Magn Reson Imaging.* 2020 Sep;24(3):141-153.
8. **Kim PK**, Hong YJ, Sakuma H, Chawla, A, Park JK, Park CH, Hong D, Han K, Lee JY, Hur J, Lee HJ, Kim YJ, Suh YJ, Choi BW. Myocardial Extracellular Volume Fraction and Change in Hematocrit Level: MR Evaluation by Using T1 Mapping in an Experimental Model of Anemia. *Radiology*, 288(1):93-98, 2018
9. **Kim PK**, Hong YJ, Im DJ, Suh YJ, Park CH, Kim JY, Chang S, Lee HJ, Hur J, Kim YJ, Choi BW. Myocardial T1 and T2 Mapping: Techniques and Clinical Applications. *Korean journal of radiology*, 18(1), 113-131, 2017