



Yining Wang / 王怡宁, MD

Chief Physician, Tenured Associate Professor

Department of Radiology, State Key Laboratory of Complex Severe and Rare Diseases, Peking Union Medical College Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College

Yining Wang is the Deputy Director of Department of Radiology at Peking Union Medical College Hospital. Dr. Wang's scholarly work centers on advancing "precision, specificity, and safety" in cardiovascular imaging. As principal investigator of the National Science Fund for Distinguished Young Scholars project (Non-invasive and Precise Cardiovascular Imaging), her original contributions have significantly enhanced diagnostic accuracy and procedural safety in cardiovascular medicine. This paradigm-shifting research earned her the China Youth Science and Technology Award.

She pioneered the 5T CMR imaging protocol at ultra-high field strength, realizing the clinical application of high-resolution and high-contrast cardiac imaging (Radiology 2024). She has proposed a series of CMR biomarkers for the prognosis and monitoring of cardiac amyloidosis (J Cardiovasc Magn Reson 2024; Korean J Radiol 2024; JACC Cardiovasc Imaging 2022; J Magn Reson Imaging 2022; JACC Cardiovasc Imaging 2021; J Cardiovasc Magn Reson 2018) and has been the principal writer of the Chinese consensus on the diagnosis and treatment of immunoglobulin light-chain cardiac amyloidosis. She spearheaded non-contrast MRA protocol optimization, promoting the non-invasive, contrast agent-free, and ionizing radiation-free screening of coronary artery disease (Eur Radiol 2021; Eur Heart J Cardiovasc Imaging 2021), and co-authored China's first expert consensus on the clinical application of coronary MRA. She has proposed a coronary artery segmentation algorithm, improving the diagnostic accuracy of coronary artery stenosis (IEEE Trans Pattern Anal Mach Intell 2024). She has innovatively constructed a specific diagnostic system for myocardial injury using multi-modality molecular imaging, revealing the potential pathological mechanisms of myocardial injury (Bioact Mater 2023; J Mater Sci Technol 2023; ACS Appl Mater Interfaces 2019).

She has published 81 SCI papers as the corresponding author or first author, among which 38 are in Q1 journals and has been adopted by 7 domestic and international guidelines and expert consensus. She has authorized 18 invention patents, including 5 PCT international patents and 2 transformed. She has co-authored 4 expert consensus. She has presided over 10 national and provincial-level scientific research projects, including the National Key Research and Development Program, the National Science Fund for Distinguished Young Scholars, and the Major International (Regional) Joint Research Project of National Natural Science Foundation of China. She has won 1 second prize of the National Science and Technology Progress Award and 6 first prizes of scientific and technological awards of provincial and ministerial level. Currently, she serves as the Vice chair of the Younger Committee Member of radiology branch of Chinese Medical Association, an Executive Committee Member of the Asian Society of Cardiovascular Imaging, a Standing Committee Member of the Radiology Branch of the Beijing Medical Association as well as the Vice chair of the Cardiovascular Group. She also serves as an Associate Editor of the British Journal of Radiology, and an editorial board member of Chinese Medical Journal and Chinese Journal of Radiology. If elected as a BoT member, she will be committed to enhancing clinical translation and application of MRI techniques, deepening interdisciplinary cooperation with colleagues in the society, boosting the return of the talented, and promoting in-depth cooperation between domestic and international MRI researchers, ultimately benefiting more patients.