Firdaus Mohamed Hoesein, MD, PhD

WG member

Educational background & qualifications
Dr. Firdaus Mohamed Hoesein earned his Medical Degree (MD) in 2009 and completed his PhD in 2012 at Utrecht University, investigating quantitative imaging in COPD and emphysema. He completed his residency training at UMC Utrecht and St. Antonius Nieuwegein (2011–2017). He holds a European Board of Cardiac Radiology (EBCR) Diploma (2015) alongside specialized certifications in Nuclear Imaging PET-CT (2017) and Thoracic Imaging (2018).

Current role & area of expertise
Dr. Mohamed Hoesein is a Staff Radiologist at UMC Utrecht, specializing in thoracic, cardiovascular, and nuclear imaging. As a clinical leader in lung cancer radiology, his expertise spans the entire imaging pathway, encompassing expert interpretation of diagnostic chest CTs, advanced staging with PET-CT, and performing CT-guided lung biopsies.

Professional experience
His career combines over a decade of clinical leadership with robust academic responsibilities at UMC Utrecht. He has served as a Post-doc Researcher since 2012, successfully supervising multiple PhD and master's candidates in advanced image analysis.

Research interests
Dr. Mohamed Hoesein's research focuses on enhancing lung cancer patient survival through AI-integrated advanced imaging. His scientific program emphasizes developing, validating, and implementing quantitative imaging biomarkers and AI-driven tools. His main research pillars include optimizing early detection in screening cohorts, predicting treatment efficacy for chemo- and immunotherapy using novel imaging modalities, and refining post-treatment imaging follow-up strategies.