



College of Medicine and Health Sciences



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Full NAME: Dr Yassine Bouchareb

Current Job Title: Associate professor

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QUALIFICATION

SPECIALIZATION:

- **PhD in:** Medical Informatics/Medical Physics
- **Master in:** Medical Informatics/Medical Physics
- **MBA in:** Health Services Management

PROFILE

Dr. YASSSINE BOUCHARREB, PhD, MBA, MPE (Medical Physics Expert, recognized by the UK, RPA2000) has been actively involved in teaching and supervising undergraduate and postgraduate students in medical physics, as well as medical students and radiology residents. He has published high-impact papers in leading international journals, and authored several book chapters. His research focuses on advanced techniques in radiology and molecular imaging for cardiac diseases, brain disorders, and cancer, particularly image quality enhancement, radiation dose optimization, quantitative imaging, personal dosimetry, artificial intelligence, and radiomics. He is also a regular peer reviewer for renowned international journals.

WORK EXPERIENCE

- **2025 – Present**
Associate Professor, Department of Radiology and Molecular Imaging, College of Medicine and Health Sciences, Sultan Qaboos University, Oman.
- **2018 – 2025**
Assistant Professor, Department of Radiology and Molecular Imaging, College of Medicine and Health Sciences, Sultan Qaboos University, Oman.
- **2012-2018**
Deputy Head & Principal Medical Physicist, Clinical Physics Division, Barts Health NHS Trust, London, UK.
- **2009-2011**
Consultant Medical Physicist, Occupational Health & Safety, Hamad Medical Corporation, Doha, Qatar.
- **2008-2009**
Clinical Research Scientist, Radioisotope Group, Royal Marsden Foundation NHS Trust, Surrey, UK.
- **2007-2008**
Clinical Medical Physicist, Medical Physics & Bioengineering, Portsmouth Hospitals NHS Trust, UK.

RESEARCH INTERESTS

- Analysis and assessment of radiological images
- Imaging-based Artificial Intelligence and Radiomics
- Optimization of radiation doses and establishment of diagnostic reference levels (DRLs)
- Modelling and quantification in PET/CT imaging
- Optimization and validation of tomographic image reconstructions
- Occupational and patients' doses, and associated lifetime risk of cancer estimation