

Title: Milano CMR

- Date & Time: 11/4/2023 dalle 17.00 alle 19.45
- Venue: aula convegni San Luca Istituto Auxologico Italiano IRCCS, piazzale Brescia 20 20149 Milano
- Free; registration is mandatory at <https://forms.gle/3tVTHzK7i48FUEyz9>
- Intended audience: Cardiologists, Radiologists, Registrars, Fellows, PhD students, Radiographers.
- Language: English

Rational

Artificial intelligence (AI) impact on medicine is huge. AI can significantly support and improve doctors' productivity and diagnostic performance at all stages of the cardiac imaging chain, including classification, automatic quantification, diagnosis, and risk prediction. AI has demonstrated superhuman performances in terms of measurements accuracy and reproducibility. Utilization of AI increases patient safety and decreases healthcare costs. Furthermore, AI is particularly useful for imaging doctors in training as it provides anatomic guidance and interpretation of complex imaging results. During this meeting, AI application in cardiac magnetic resonance (CMR) image analysis and its impact on cardiovascular care will be discussed.

Program:

4:45-5:00 pm	Registration
5:00-5:15 pm	Welcome. Prof Luigi Badano IRCCS Istituto Auxologico Italiano, University of Milano-Bicocca
5:15-5:50 pm	Lecture «Using AI to improve cardiovascular care» Prof James C Moon University College London, Barts Heart Centre
5:50-6:10 pm	Discussion Moderator: Dr Silvia Castelletti IRCCS Istituto Auxologico Italiano
6:10-6:50 pm	Clinical cases Presenters: TBD Moderator: Dr Giuseppe Muscogiuri IRCCS Istituto Auxologico Italiano, University of Milano-Bicocca
6:50-7:00 pm	Closure Dr Camilla Torlasco IRCCS Istituto Auxologico Italiano
7:00-7:45 pm	Refreshment

Invited speaker: Prof James C. Moon is currently a Professor of Cardiology (UCL), the Clinical Director of imaging with Barts Heart Centre (BHC), and the Medical Director of Chenies Mews Imaging Centre. Formerly, he set up and led the Heart Hospital Imaging Centre. Trained at Cambridge and Oxford, his M.D. degree at Imperial was "myocardial tissue characterization by CMR." His current research interests include the application of AI to CMR to improve measurements accuracy and redefine diagnostic criteria for cardiomyopathies. He has published more than 300 articles and works in partnership with Pharma to develop surrogate endpoints for clinical trials including first in man studies. Another interest is in making scans faster/cheaper and in improving/maintaining quality as CMR expands. He sets up and leads the international T1 mapping development group aiming to "coordinate activity to the goal of being able to change therapy using CMR endpoints." He is a former Board Member of SCMR and the immediate past President of the British equivalent, BSCMR. He is also a former member of NICE.

Prof Luigi P. Badano. Professor of Cardiovascular Medicine (University of Milano Bicocca) and Director of the Integrated Cardiovascular Diagnosis Unit at IRCCS Istituto Auxologico Italiano. Past-President of the European Association of Cardiovascular Imaging.

Dr Silvia Castelletti. Cardiologist Consultant, SportsCardiology and Cardiac MRI. Chair-elect of the Exercise and Sports Cardiology Section of the European Association of Sports Cardiology.

Dr Giuseppe Muscogiuri. Responsible of Cardiovascular CT and Coordinator of the Cardiac MR service at IRCCS Istituto Auxologico Italiano. Assistant Professor of Radiology at University of Milano-Bicocca.

Dr Camilla Torlasco. Coordinator of the Cardiac MR service at IRCCS Istituto Auxologico Italiano. Nucleus Member of the Italian Society of Cardiologi Cardiac MR WG.