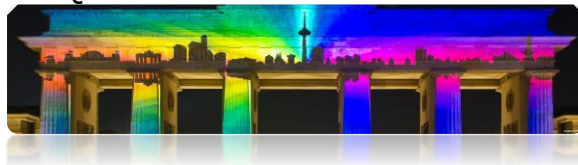


3rd Quantitative Cardiovascular Imaging Meeting: Standardisation of Quantitative Cardiovascular Imaging Techniques



Pre-Meeting:	September 5th, 2024 (Organiser: <i>Melanie Estrella</i> , Charité)
16:00-17:00	Visit of the Berliner Medizinhistorisches Museum der Charité Virchowweg 17, 10117 Berlin, Germany
18:00-21:00	Welcome Dinner - Weltwirtschaft John-Foster-Dulles-Allee 10, 10557 Berlin
Formal Meeting:	September 6th, 2024 Moderators: <i>Marc Dewey</i> , Charité and <i>Tobias Schaeffter</i> , PTB
8:30-8:34	Welcome – <i>Marc Dewey</i> , Paul Ehrlich Hörsaal Lecture Hall Virchowweg 4, 10117 Berlin

Directions: Coming from the Charitéplatz entrance, Virchowweg is straight ahead, at number 3 turn left twice around the building, then you will come directly to number 4. Details: www.marcdewey.de/qci3

Two Opening Lectures	Pro: Standardisation is Highly Needed 8:35-8:44 <i>Tobias Schaeffter</i>	Moderator: <i>Marc Dewey</i>
	Con: Standardisation is the Enemy of Innovation 8:45-8:54 <i>Ingolf Sack</i>	
	8:55-9:09 Joint discussion	

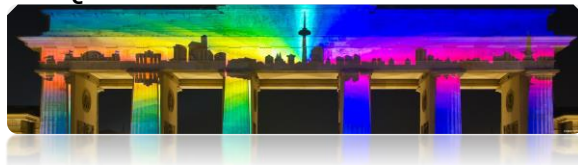
Session 1	Image Acquisition
First Highlight Lecture	Fundamentals of Image Acquisition Moderator: <i>Tobias Schaeffter</i> 09:10-09:20 Tandem Talk by <i>Vanessa M. Ferreira (MR)</i> and <i>Marc Kachelriess (CT)</i> 09:20-09:29 Discussion

	Clinical Imaging Perspective	Frontier Research Perspective
CT	9:30-9:34 Standardisation of Image Acquisition <i>Jonathan Weir McCall</i>	09:35-09:39 Novel Acquisition Technologies <i>Michelle Williams</i>
MR	9:40-9:44 Standardised Quantitative Protocols <i>Vanessa M. Ferreira</i>	9:45-9:49 Advanced Acquisitions for T1 and T2 Mapping <i>Daniel Messroghli</i>
PET/SPECT	9:50-9:54 Standards for Clinical Acquisition <i>Marc R. Dweck</i>	9:55-9:59 Total-body PET Acquisition Standards <i>Konstantinos Zeimpekis</i>
<i>Coffee break</i>	10:00-10:19 Joint discussion	
	10:20-10:44	

Session 2	Image Reconstruction
Second Highlight Lecture	Fundamentals of Image Reconstruction Moderator: <i>Tobias Schaeffter</i> 10:45-10:55 Tandem Talk by <i>Marc Kachelriess (CT)</i> and <i>Vanessa M. Ferreira (MR)</i> 10:55-11:04 Discussion

	Clinical Imaging Perspective	Frontier Research Perspective
CT	11:05-11:09 Standardisation of Clinically Available Novel Reconstruction Techniques <i>Zsófia Dóra Drobni</i>	11:10-11:14 Quality Standards of Novel Deep-learning (DL) Reconstruction in CT <i>Hatem Alkadhi</i>
MRI	11:15-11:19 Standardisation of Reconstruction of Clinical MRI <i>Robert Manka</i>	11:20-11:24 Quality Standards of Novel Deep-learning (DL) Reconstruction in MRI <i>Maria A. Zuluaga</i>
PET/SPECT	11:30-11:34 Clinical Reconstruction Techniques <i>Johanna Diekmann</i>	11:35-11:39 Quality Standards of DL Reconstruction <i>Konstantinos Zeimpekis</i>
	11:40-11:59 Joint discussion	

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<u>Delphi Voting</u>	12:00-12:15 Delphi Voting on QCI Standardisation for the 4 th QCI Technical and Clinical Consensus Statement, Moderators: <i>Bernhard Föllmer and Ann-Christine Stahl</i>
<i>Lunch break</i>	12:15-13:29
<u>Four AI Keynotes</u>	<p>Pro: Standardisation of QCI Boosts AI Innovations 13:30-13:35 <i>Anastasia Fotaki</i></p> <p>Con: Standardisation of QCI Narrows the Applicability of AI 13:36-13:41 <i>Wenjia Bai</i></p> <p>AI Could Help Standardisation of Coronary CT Plaque Imaging 13:42-13:47 <i>Ivana Isgum</i></p> <p>Do I Really Need a Coronary CT Plaque AI Tool? 13:48-13:53 <i>Ed Nicol</i></p> <p>13:53-14:12 Joint discussion moderated by all four speakers</p>
<i>Coffee break</i>	14:12-14:31
<u>Session 3</u>	<u>Quantitative Analysis and AI</u>
Third Highlight Lecture	The Case of Standardisation for Serial Coronary CT Plaque Imaging Moderator: <i>Marc Dewey</i>
	14:32-14:37 <i>David Newby</i>
	Quantitative CT coronary plaque imaging
	14:38-14:43 <i>Koen Nieman</i>
	Is assessment of pericoronary coronary adipose tissue useful?
	14:44-14:49 <i>Rozemarijn Vliegenthart</i>
	14:50-14:59 Discussion
	Clinical Imaging Perspective
Radiographers	15:00-15:04 Role of Radiographers in Quantitative Analysis of Cardiac CT <i>Martin Kusk</i>
CT	15:10-15:14 Standardisation of Calcium Scoring <i>Kenrick Schulze</i>
	15:20-15:24 Standards for Coronary CT Analysis <i>Ann-Christine Stahl</i>
MRI	15:30-15:34 Quantitative Perfusion Analysis <i>Chiara Bucciarelli-Ducci</i>
	15:40-15:44 Image Quality Assurance <i>Jeanette Schulz-Menger</i>
Total-body PET	15:50-15:54 Standardising (Total)-body PET for Systemic Atherosclerosis Imaging <i>David Newby</i>
	16:00-16:24 Joint discussion
16:25 -16:39	Definition of Possible Topics for the 4th QCI Meeting and the 5th QCI Consensus Statement , Moderator: <i>Marc Dewey</i>
16:40 -16:50	Voting Results on Delphi Voting on QCI Standardisation and Preparation of Final Voting , Moderators: <i>Bernhard Föllmer and Ann-Christine Stahl</i> Farewell <i>Marc Dewey</i>