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Director of the Congenital Heart Diseases Sessions

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Sven Plein - Leeds (UK)
Francesca Pluchinotta - Milan (IT)
Juerg Schwitter - Lausanne (CH)
Emanuela Valsangiacomo Buechel - Zurich (CH)

Course Venue

Du Lac et Du Parc Grand Resort
Viale Rovereto, 44
I - 38066 Riva del Garda (Tn) - Italy
www.dulacetduparc.com

Language information

English will be the official language. Simultaneous translation will not be provided.

Registration

REGISTRATION FEE: Euro 1.342
(VAT 22% included).

Continuing Medical Education



"The Course "Magnetic Resonance in Cardiology Fifth Edition " is accredited by the European Board for Accreditation in Cardiology (EBAC) for 16 hours of External CME credits. Each participant should claim only those hours of credit that have actually been spent in the educational activity.

EBAC works according to the quality standards of the European Accreditation Council for Continuing Medical Education (EACCME), which is an institution of the European Union of Medical Specialists (UEMS)"

"In compliance with EBAC/ EACCME guidelines, all speakers/ chairpersons participating in this programme have disclosed or indicated potential conflicts of interest which might cause a bias in the presentations. The Organizing Committee/Course Director is responsible for ensuring that all potential conflicts of interest relevant to the event are declared to the audience prior to the CME activities



The Course was granted 17 Italian CME Credits

Sponsor

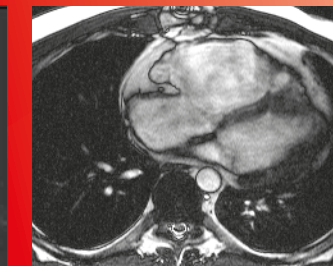
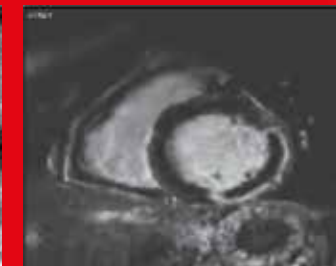
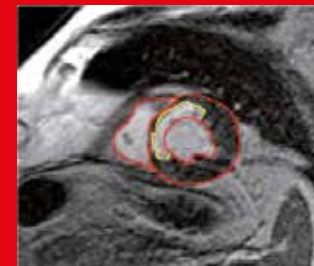
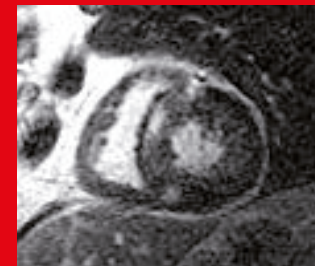
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2nd Level Course PROGRAMME

Magnetic Resonance in Cardiology

Fifth Edition

With Adult Heart Diseases and Congenital Heart Diseases parallel sessions

EACVI extramural teaching course



EACVI
EUROPEAN ASSOCIATION OF CARDIOVASCULAR IMAGING
A Registered Branch of the ESC



EUROPEAN SOCIETY OF CARDIOLOGY®



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Du Lac et Du Parc Grand Resort, Riva del Garda

Lago di Garda, Italy - October 5-7, 2017

Thursday October 5th

13:00 Welcome and Introduction - *J. Schwitter, M. Lombardi*

Session 1 CMR basics - plenary session

13:10 High level overview of MRI, e.g. nuclear magnetisation, relaxation times, equipment - *M. Graves*

13:45 What are read-out strategies - how is spatial encoding done - *A. Greiser*

14:20 Basic pulse sequences used in cardiac MRI, e.g. fast spin echo, fast gradient echo, steady-state free precession - segmented vs. real-time acquisitions - *M. Graves*

14:55 How to prepare magnetization: IR / SR / for T2, for flow, and by contrast media - *A. Greiser*

15:30 *Coffee break*

Session 2 Optimising imaging protocols - tips for clinical practice

16:00 How to optimise morphological and cine imaging - *M. Lombardi*

16:30 How to optimise LGE images (artefacts, single shot, FIDDLE etc) - *P. G. Masci*

17:00 How to parametric mapping (artefacts, quality control etc) - *J. Moon*

17:30 How to optimize stress imaging (protocols, artefacts, quality control etc)
J. Schwitter

18:00 *Coffee break*

Session 3 Case reading / hands-on in groups

18:30 Case reading / hands-on in groups (All) on the workstations to familiarize with workstation, to learn to analyze images, function, late gadolinium, T2 images, flow images.

20:00 *Dinner*

Friday October 6th

08:30 Welcome

Session 4a Adult Heart Disease (main room)

08:35 CMR in acute CAD - Protocols, workflow, reporting and cases - *S. Greulich*

09:30 Cardiomyopathies I (HCM, Hypertensive cardiomyopathy, iron overload, amyloidosis, Fabry) - *J. Moon*

10:30 *Coffee break*

11:00 CMR in cardiomyopathies. Protocols, workflow, reporting and cases
P. G. Masci

11:30 Case readings with experts - *P.G. Masci, M. Lombardi, J. Moon*

Session 4b Congenital Heart Disease (workstation room)

08:30 Tricks and tips for imaging CHD - guidelines / reference literature
F. Pluchinotta

09:00 Imaging CHD in newborns and infants - *V. Muthurangu / E. Valsangiacomo*

09:30 How to accurately assess aortic and pulmonary valve disease? - *F. Pluchinotta*

10:00 Transposition of the great arteries - *E. Valsangiacomo*

10:30 *Coffee break*

11:00 Case readings with experts - *F. Pluchinotta, V. Muthurangu, E. Valsangiacomo*

12:30 *Lunch break*

Session 5 Technical advancement and clinical perspective (all together) main room

13:30 Pitfalls of phase/flow imaging, effect of segmented k-space PC, Eddy Currents, etc. - *M. Graves*

14:00 4Dflow: from concept to clinical applications - *A. Greiser*

14:30 Optimizing CMR in patients with MR conditional devices - *J. Schwitter*

15:00 Postprocessing. Do we need it? Speakers from companies

16:00 *Coffee break*

Session 6a Adult Heart Disease (workstations room)

16:30 CMR in stable CAD - Advanced protocols (high resolution/3D perfusion, 1.5T vs 3.0T, Accelerated Imaging, BOLD) - *S. Plein*

17:00 Myocarditis - *S. Greulich*

17:20 Cardiomyopathies II (Non compaction, dilated cardiomyopathy, Tako Tsubo)
J. Moon

Session 6b Congenital Heart Diseases (main room)

16:30 Tetralogy of Fallot - *F. Pluchinotta*

17:00 CMR imaging for Pulmonary Hypertension - *V. Muthurangu*

17:30 Assessing univentricular hearts before and after Fontan beyond image acquisition - *E. Valsangiacomo*

Session 7 Ask the Experts: Plenary Session (workstations room)

18:00 Expert panel on practical problems in Adult (3 cases, PG Masci) and Congenital Heart Disease. 1 clinical cases - *F. Pluchinotta*
Cases from the panel and cases from the attendees

19:30 *Departure social event*

Saturday October 7th

Session 8 CMR in the clinical arena (plenary session)

08:30 Safety, devices, contrast agent - *M. Graves, M. Lombardi*

09:00 Tricks and tips for CMR in Cardiology - guidelines/ class of evidence / reference literature - *J. Schwitter*

09:45 Arrhythmogenic Right Ventricular Dysplasia reality and pitfalls - *M. Lombardi*

10:30 *Coffee break*

11:00 Cardiac masses and pericardium - *P. G. Masci*

11:30 European CMR examination and certification - *S. Plein*

11:45 Administration of questionnaire for Italian participants (CME credits)
All (workstations room)

11:45 Very difficult cases - *M. Lombardi, P. G. Masci*

13:00 Closing remarks

