

P R E L I M I N A R Y P R O G R A M

ENDORSED BY  
**Cardiovascular  
Magnetic Resonance**  
ESC Working Group



EUROPEAN  
SOCIETY OF  
CARDIOLOGY®

# Magnetic Resonance in Cardiology

With Adult Heart Diseases  
and Congenital Heart Diseases  
parallel sessions



Du Park et du Lac Grand Resort  
**Lago di Garda, Italy**  
October 3-5, 2013

## Thursday October 3<sup>th</sup>

### CMR basics - plenary session

- 13:00 Welcome / Introduction - *Massimo Lombardi*  
13:15 Technical considerations: the Basic principles of CMR images (Static images, cine images and flow images) - *Raad Mohiaddin*  
14:00 CMR safety - *Massimo Lombardi*  
14:30 How to do CMR anatomy and function - *Chiara Bucciarelli Ducci*  
15:00 How to do CMR anatomy, function and flow in Congenital patients - made easy - *Emanuela Valsangiacomo*  
16:00 *Coffee break*  
16:30 How to do CMR perfusion - *Massimo Lombardi*  
17:00 How to do CMR LGE - *Heiko Mahrholdt*  
17:30 How to do T1/T2 / T2\* mapping - *Alessia Pepe*  
18:00 How to do stress MRI (adenosine, dipyridamole, dobutamine) - *Chiara Bucciarelli-Ducci*  
18:30 Case reading / hands-on in groups (All) to familiarize with softwares, to learn to analyze images, function, late gadolinium, T2 images, flow images  
20:00 *Dinner*

## Friday October 4<sup>th</sup>

### CMR in the clinical arena 1 - Adult Heart Diseases Session

- 08:30 Work-up in acute and chronic myocardial infarction - *Massimo Lombardi*  
09:00 Work-up of myocardial viability: Late gadolinium enhancement and low dose dobutamine stress - *Oliver Bruder*  
09:30 Work-up of suspected coronary artery disease - *Juerg Schwitter*  
10:30 *Coffee break*  
11:00 Work-up in Grown-up Congenital Heart Diseases - Made easy - *Emanuela Valsangiacomo*  
11:30-12:30 Case reading with experts (cases presented on the screen by *Oliver Bruder, Chiara Bucciarelli-Ducci*)

### CMR in the clinical arena 1 Congenital Heart Diseases Session

- 08:30 Tetralogy of Fallot - *Willem Helbing*  
09:00 Anomalies of the great arteries: assessing the aorta pulmonary arteries - *Vivek Muthurangu*  
09:45 Transposition of the great arteries: after the atrial switch/ after the arterial switch  
*Emanuela Valsangiacomo*



- 10:30 *Coffee break*  
11:00-12:30 Case reading with experts (cases presented by *Willem Helbing, Vivek Muthurangu, Emanuela Valsangiacomo* on the work-stations)  
12:30 *Lunch break*

### Cardiology in the MR Unit - plenary session

- 13:30 Myocarditis - *Heiko Mahrholdt*  
14:00 Cardiomyopathies ARVD, HCM, DCM, amyloidosis - *Raad Mohiaddin*  
14:45 Iron overload cardiomyopathy and CMR - *Alessia Pepe*  
15:00 Valvular heart disease - *Juerg Schwitter*  
15:30 Stress MRI - *Sven Plein*  
16:00 *Coffee break*

### CMR in the clinical arena 2 Adult Heart Diseases Session

- 16:30 Tricks and tips for imaging in Adult Heart Diseases guidelines / reference literature - *Sven Plein*  
17:00-19:00 Clinical cases - *Sven Plein, Raad Mohiaddin, Massimo Lombardi, Alessia Pepe*

### CMR in the clinical arena 2 Congenital Heart Diseases Session

- 16:30 Tricks and tips for imaging in Congenital Heart Diseases guidelines / reference literature  
*Willem Helbing*  
17:00 Imaging CHD in newborns and infants - *Vivek Muthurangu*

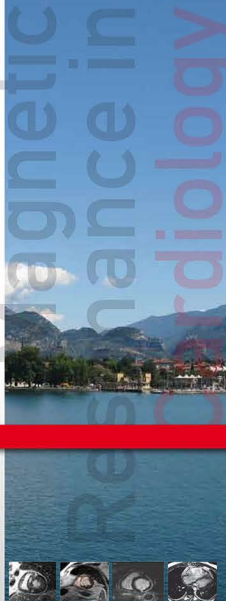
### Ask the Expert - plenary session

- 17:30-19:00 Cases from the participants and Expert panel on practical problems in Adult and Congenital Heart Diseases.  
19:30 Departure social event

## Saturday October 5<sup>th</sup>

### CMR in the clinical arena 3 - plenary session

- 09:00 Cardiac masses and pericardium - *Herbert Frank*  
09:45 Arrhythmogenic Right Ventricular Dysplasia reality and pitfalls - *Massimo Lombardi*  
11:00 *Coffee break*  
11:30 European CMR examination. What is it? Why should you sustain it?  
*Sven Plein*  
12:00 Very difficult cases and technical discussion  
13:00 *Closing remarks*



## Course Directors

**Massimo Lombardi (Pisa, IT)**

**Emanuela Valsangiacomo Buechel (Zurich, CH)**

Co-director of the Congenital Heart Diseases Sessions

## Faculty

Oliver Buder	(Essen, DE)
Chiara Bucciarelli-Ducci	(Bristol, UK)
Herbert Frank	(Wien, AT)
Willem Helbing	(Rotterdam, NL)
Massimo Lombardi	(Pisa, IT)
Heiko Mahnhroldt	(Stuttgart, DE)
Raad Mohiaddin	(London, UK)
Vivek Muthurangu	(London, UK)
Alessia Pepe	(Pisa, IT)
Sven Plein	(Leeds, UK)
Juerg Schwitler	(Lausanne, CH)
Emanuela Valsangiacomo Buechel	(Zurich, CH)

## Technical Support

Daniele De Marchi (Pisa, IT)

## Course Venue

Du Park et du Lac Grand Resort

Viale Rovereto, 44

I - 38066 Riva del Garda (Tn) - Italy

## Language information

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

## Continuing Medical Education

Attribution of European (EACCME/UEMS) and Italian CME credits will be requested.

## Organizing Secretariat



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