

# Cardiovascular Magnetic Resonance

## 11th Annual European Course | 27-29 June 2019

### Munich, Germany | [www.cmr-course.de](http://www.cmr-course.de)

## Final Program & Faculty

### Administrating Office:

#### MEDCONVENT

Kohlmarkt 16  
A-1010 Vienna, Austria  
e-mail: [cmr-course@medconvent.at](mailto:cmr-course@medconvent.at)  
Web: [www.cmr-course.de](http://www.cmr-course.de)

### Venue:

The Marriott Airport Hotel Munich  
Munich, Germany  
Alois Steinecker Strasse 20  
Freising, Bavaria 85354 Germany  
Phone: 49 8161 966 0  
Fax: 49 8161 9666 281

### Thursday, 27 June 2019

13:00-13:15 Welcome/Introduction  
(**Oliver Bruder | Simon Greulich | Christoph J.Jensen**)

13:15-13:45 Technical Considerations: The Basics of CMR Part I  
(**Christoph J. Jensen**)

13:45-14:15 Technical Considerations: The Basics of CMR Part II  
(**Christoph J. Jensen**)

14:15-14:45 How to do CMR anatomy and function  
(**Oliver Bruder**)

14:45-15:15 How to do CMR perfusion  
(**Simon Greulich**)

15:15-16:00 How to do LGE CMR  
(**Oliver Bruder**)

**16:00-16:30 COFFEE BREAK**

16:30-17:00 How to do CMR flow assessment  
(**Albert Teis**)

17:00-17:30 How to do T2/T2\* imaging  
(**Pier-Giorgio Masci**)

17:30-18:00 Special Lecture: Thalassemia  
(**Pier-Giorgio Masci**)

18:00-18:30 Imaging artefacts and trouble shooting  
(**Christoph J. Jensen**)

18:30-19:00 CMR Safety  
(**Pier-Giorgio Masci**)

**19:00 DINNER**

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**CMR in the Clinical Arena and hands-on Training**

08:00-09:00 T1/T2 Mapping – present and future applications

(**Rocio Hinojar**)

09:00-09:30 Work-up of myocardial viability: Late gadolinium enhancement (**Heiko Mahrholdt**)

09:30-10:30 Cardiomyopathies and myocarditis

(**Heiko Mahrholdt**)

**10:30-10:45 COFFEE BREAK**

10:45-11:30 T2 for myocardial salvage: Discussing potential pitfalls (**Heiko Mahrholdt**)

11:30-12:15 Valvular Heart Disease

(**Albert Teis**)

**12:15 – 13:30 LUNCH**

13:30-13:00 Industry Talk  
(**Medis/Albert Teis**)

14:00-14:30 Work-up of suspected coronary artery disease I:  
Dobutamine stress in the clinical arena  
(**Oliver Bruder**)

**14:30-14:45 COFFEE BREAK**

14:45-15:15 Work-up of suspected coronary artery disease II:  
Adenosine perfusion in the clinical area - focus on  
guidelines and quantitative perfusion  
(**Jürg Schwitter**)

15:15-15:45 Case reading/hands on in groups (**Jürg Schwitter**)  
- Ischemia Cases (**Jürg Schwitter**)  
- Late Gad cases (**Jürg Schwitter**)

15:45-16:30 Congenital heart disease made easy  
(**Jürg Schwitter**)

16:30-17:00 How Deep Learning optimizes the analysis and  
reporting  
of Cardiac MR.  
(**Adrian Curta/ Circle**)

17:00 – 17:45 Ask the experts (**All faculty**)

- Cases from the participants
- Expert Panel

**19:00 SOCIAL EVENT**

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**Saturday, 29 June 2019**

### CMR in the clinical arena and CMR exam training

09:00-11:00 Consoles (**Simon Greulich**)

- Ischemia cases (**Oliver Bruder**)
- Late Gad cases (**Oliver Bruder**)

**11:00-11:15 COFFEE BREAK**

11:15-12:15 CMR Exam and CMR Accreditation: General  
information and overview

(**Simon Greulich**)

12:15-12:45 Closing Remarks

(**Oliver Bruder | Simon Greulich**)

#### SPONSORS:

##### **Siemens Healthcare:**

provides 10 Workstations (value EUR 3000)

##### **Circle Cardiovascula Imagine**

Exhibitor, 30 Minute talk and lanyards (value EUR 4000)

##### **Medis**

Exhibitor and 30 Minute talk (value EUR 3000)

#### CME Provider of the CMR Course is:

**"Elisabeth Hospital Essen"**