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| **Monday 9 November (Hospital Clinic, University of Barcelona)** | |  | **Tuesday 10 November (Hotel Hesperia Presidente)** |
|  | **Session 1: Remembering and Refreshing**  ***Moderators:*** *R Lange, Munich; J L Pomar and R Martin, Atlanta* |  | **Session 2: The minimal skills required for an adequate simple mitral valve repair *Moderators:*** *R Klautz, Leiden; R Martin, Atlanta and J L Pomar, Barcelona* |
| **12:45** | Introduction and course objectives  **R Klautz, Leiden; R Lange, Munich; J L Pomar, Barcelona** | **08:30** | Mandatory echocardiographic principles and the approaches that need to be mastered: **Three workshops**  **Group A:**  Six views that will remain with you a lifetime **A Berrebi, France; M Sitges, Barcelona; J L Vanoverchelde, Belgium, R Martin, Atlanta  Group B:** Hands-on implantation of an annuloplasty ring and artificial chords (Wetlab) **R Klautz, Leiden; R Lange, Munich; J L Pomar, Barcelona; F Wells, Cambridge  Group C:** Preparing the patient and the techniques for a minimally invasive approach  (PA lab) **D Pereda, Barcelona; L Muller, Innsbruck; E Quintana, Barcelona, H Vanermen, Brussels** *\* Approx. 100 minutes per workshop with intervals in between for coffee breaks. All attendees will participate in each workshop* |
| **13:00** | The institute at the Hospital Clinic and University of Barcelona **J L Pomar, Barcelona** |
| **13:20** | Mitral valve anatomy for cardiologists & surgeons **M Sitges, Barcelona** |
| **13:45** | Mitral valve pathology: Types and prevalence **A Berrebi, Paris** |
| **14:30** | Diagnosis tools and its role in 2015 **J L Vanoverschelde, Brussels** |
| **15:00** | Improving valve repair through a port: from dream to reality  **H Vanermen, Brussels** |  |  |
| **15:20** | **BREAK** | **13:00** | **LUNCH (Hospital Clinic, University of Barcelona)** |
| **15:45** | **Round table:**   * Differentiating the pathologies: tips and tricks **M Sitges, Barcelona** * Severity of MR in degenerative and functional **J L Vanovershelde, Brussels** * Are indications the same for all pathologies? **A Berrebi, Paris** * Where should a complex mitral valve repair be done? **R Klautz, Leiden** * Is MICS a limitation for complex repairs?  **H Vanermen, Brussels** |  | **Session 3: Summary of the morning's activities - practical tips and tricks on where and what to use**  ***Moderators:*** *M Castella, Barcelona****;*** *R Martin, Atlanta and J L Vanoverschelde, Belgium* |
| **14:30** | The complete evaluation of all your mitral patients **M Sitges, Barcelona** |
| **14:50** | Current indications of mitral valve repair in 2015 **R Martin, Atlanta and R Lange, Munich** |
| **16:45** | **Surgical approaches to mitral valve**   * From the Alfieri Stitch to the Mitraclip **X Freixa, Barcelona** * The classic mid-sternotomy approach **F Wells, Cambridge** * Do we need a full sternotomy or is a matter of habit? **R Lange, Munich** * The Thru Port method principles **D Pereda, Barcelona** * Should you know something about robotics? **E Quintana, Barcelona** | **15:15** | The Valve analysis by echo: Once more is basic and mandatory **A Berrebi, France** |
| **15:40** | Valve analysis in the OR: what not to miss in any case **F Wells, Cambridge** |
| **16:00** | **BREAK** |
| **17:45** | **Guest Lecture** Gaudi, his work and the mitral valve  **F Wells, Cambridge** | **16:30** | How do I repair the most common P2 prolapse? **R Klautz, Leiden** |
| **18:15** | Take home message and adjourn  **R Lange, Munich** |

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|  | **Tuesday 10 November continued…** |  | **Wednesday 11 November** |
| **16:40** | Rings? - Different proposals we have in our armamentarium  **S Canovas, Murcia** |  | **Session 4: Starting a heart valve clinic, surgical and live cases**  ***Moderators:*** *S Canovas, Murcia; R Martin, Atlanta; E Quintana, Barcelona* |
| **17:00** | How I do implant an annuloplasty ring  **J L Pomar, Barcelona** | **08:30** | The importance of a Valve Clinic and how to manage it as a team **A Berrebi, Paris** |
| **17:10** | Outcomes of mitral valve repair in degenerative disease  **R Lange, Munich and R Martin, Atlanta** | **09:00** | Morning case: P2 open repair.  ***Live surgery from the Clinic: MV+TV***  **M Castellá, Barcelona; R Klautz, Leiden** |
| **17:40** | Shall I go back to pump or shall I neglect this residual MR?  **A Berrebi, Paris** | **10:00** | When a so called “Barlow” may be an easier case to repair**. Live in a box**  **D Adams, New York** |
| **18:00** | **Guest Lecture**  Mitral Valve Repair is today a subspecialty of CTS  **D Adams, New York** | **10:30** | **BREAK** |
| **18:30** | Some logistics, Take home message and Adjourn  **J L Pomar, Barcelona** | **11:00** | Tricuspid valve disease. Assessment of pathology  **M Sitges, Barcelona** |
|  |  | **11:20** | Repairing the tricuspid valve. Rings, sutures and other magic tricks  **D Adams, New York** |
|  |  | **11:40** | MICS is the future of cardiac surgery  **L Muller, Innsbruck** |
|  |  | **12:00** | A case of the growing expert on MICS: Posterior leaflet repair. ***Live surgery from the Clinic: MVR***  **D Pereda, Barcelona; H Vanermen, Brussels** |
|  | | **12:20** | Is percutaneous mitral valve replacement a technique to be learnt?  **X Freixas, Barcelona** |
| **12:40** | Surgeons may incorporate many percutaneous techniques. **Live in a box**  **R Lange, Munich** |
| **13:00** | **Farewell lecture**  Functional mitral incompetence: When and what to do? **R Klautz, Leiden** |
| **13:20** | Take home global message and adjourn  **R Lange, Munich** |