THURSDAY 14 MARCH

08:30   Arrival and registration
09:15   Welcome and introduction

**Session 1 – Introduction to thoracic aortic diseases and surgical repair**

09:20   Standards of reporting in aortic surgery  
*EBCTS blueprinting 2.5.1, 2.5.5, 2.5.6, 2.5.18, 2.5.20, 2.5.23*

09:40   Biomarkers and their usefulness in acute and chronic aortic pathology  
*EBCTS blueprinting 2.5.3, 2.5.11*

10:00   Arterial access options for CPB  
*EBCTS blueprinting 2.5.13, 2.5.14, 2.5.15, 2.5.16, 2.5.22, 2.5.23, 2.2.16*

10:20   Cerebral protection strategies and evidence  
*EBCTS blueprinting 2.5.14, 2.5.21, 2.5.22, 2.2.2, 2.2.5*

10:40   Spinal cord and visceral protection in thoraco-abdominal  
*EBCTS blueprinting 2.5.14, 2.5.15, 2.5.16, 2.5.17, 2.5.22*

11:00   Break

**Session 2 – Proximal thoracic aortic surgery**

11:30   Embriology, physiology and the hemodynamic of the aortic root  
*EBCTS blueprinting 2.5.1, 2.5.2, 2.5.3, 2.4.1, 2.4.4, 2.4.7*

12:00   Guidelines for a timely surgical indication in bicuspid and tricuspid aortic valve  
*EBCTS blueprinting 2.4.7*

12:20   The Bentall procedure  
Keynote lecture  
Live-in-a-box surgical case  
Discussion  
*EBCTS blueprinting 2.4.5, 2.4.22, 2.5.23*

12:40   The aortic valve sparing operations: Re-modelling and re-implantation procedure  
Keynote lecture  
Live-in-a-box surgical case  
Discussion  
*EBCTS blueprinting 2.4.5, 2.4.22, 2.5.23*

13:00   Lunch

14:00   How to deal with regular and challenging cases: Case presentation, discussion with the audience and presenting the solution

**Session 3 – Arch and thoraco-abdominal surgery**

14:30   Guidelines for arch and thoraco abdominal aortic pathologies  
*EBCTS blueprinting 2.5.6, 2.5.9*

14:50   Arch replacement without elephant trunk  
Keynote lecture  
Live-in-a-box surgical case  
Discussion  
*EBCTS blueprinting 2.5.13, 2.5.14, 2.5.15, 2.5.21, 2.5.22, 2.5.23*
15:10  Frozen and classic elephant trunk
Keynote lecture
Live-in-a-box surgical case
Discussion
EBCTS blueprinting 2.5.13, 2.5.14, 2.5.15, 2.5.21, 2.5.22, 2.5.23, 2.5.24

15:30  Various forms of hybrid arch repair
Keynote lecture
Live-in-a-box surgical case
Discussion
EBCTS blueprinting 2.5.13, 2.5.14, 2.5.15, 2.5.21, 2.5.22, 2.5.23, 2.5.24

15:50  Surgical techniques in thoracoabdominal disease
Keynote lecture
Live-in-a-box surgical case
Discussion
EBCTS blueprinting 2.5.13, 2.5.14, 2.5.15, 2.5.21, 2.5.22, 2.5.23

16:10  How to deal with regular and challenging cases: Case presentation, discussion with the audience and presenting the solution

16:40  Break

Session 4 – Aortic dissection

17:10  Acute type A aortic dissection: Definition, classification and classical management
EBCTS blueprinting 2.5.2, 2.5.3, 2.5.4, 2.5.8, 2.5.9

17:25  How to best approach malperfusion in acute aortic dissection
EBCTS blueprinting 2.5.13, 2.5.14, 2.5.15, 2.5.16, 2.5.22, 2.5.23, 2.5.19, 2.5.25

17:40  Management of the aortic root and aortic arch in acute aortic dissection
EBCTS blueprinting 2.5.13, 2.5.14, 2.5.15, 2.5.16, 2.5.22, 2.5.23, 2.2.16

17:55  Acute dissection in patients with connective tissue diseases: What are the differences in strategy?
EBCTS blueprinting 2.5.2, 2.5.3, 2.5.4, 2.5.5, 2.5.6, 2.5.7, 2.5.9, 2.5.21

18:10  Group discussion

18:30  Close

FRIDAY 15 MARCH

Session 5 – Peculiar aspects of aortic surgery

09:00  Strategy for the treatment of an infected aortic graft prosthesis
EBCTS blueprinting 2.5.9, 2.5.18, 2.5.25

09:15  How to deal with a small aortic annulus. Techniques of aortic root enlargement
EBCTS blueprinting 2.4.6, 2.4.9, 2.4.14, 2.4.15, 2.4.20, 2.4.21, 2.5.23

09:30  Group discussion

Session 6 – Thoracic endovascular aortic repair

09:45  How to build an endovascular programme
EBCTS blueprinting 1.1.1
10:00 Overview of wires, catheters, sheats and introducers
   *EBCTS blueprinting 2.5.4, 2.5.5, 2.5.12, 2.5.13, 2.5.15, 2.5.24*
10:15 Landing and sealing zone
   *EBCTS blueprinting 2.5.4, 2.5.5, 2.5.12, 2.5.13, 2.5.15, 2.5.24*
10:45 Planning of TEVAR procedures
   *EBCTS blueprinting 2.5.4, 2.5.5, 2.5.12, 2.5.13, 2.5.15, 2.5.24*
11:00 Group discussion
11:10 Break
11:40 **TEVAR in acute and chronic type B dissection**
   Keynote lecture
   Clinical examples
   *EBCTS blueprinting 2.5.4, 2.5.5, 2.5.12, 2.5.13, 2.5.15, 2.5.23, 2.5.24*
12:00 **Arch- Total endovascular repair**
   Keynote lecture
   Live-in-a-box surgical case
   *EBCTS blueprinting 2.5.4, 2.5.5, 2.5.12, 2.5.13, 2.5.15, 2.5.23, 2.5.24*
12:20 **Thoraco-abdominal. When to use fenestrated and branched grafts**
   Keynote lecture
   Live-in-a-box surgical case
   *EBCTS blueprinting 2.5.4, 2.5.5, 2.5.12, 2.5.13, 2.5.15, 2.5.23, 2.5.24*
12:40 Group discussion
13:00 Lunch
13:00 **Session 7 – Wetlab**
14:00 Annulus enlargement
   *EBCTS blueprinting 2.4.6, 2.4.9, 2.4.14, 2.4.15, 2.4.20, 2.4.21, 2.4.26, 2.5.23*
15:30 Break
16:00 Re-implantation/re-modelling
   *EBCTS blueprinting 2.4.5, 2.4.22, 2.5.23*
18:00 Close

**SATURDAY 16 MARCH**

**Session 8 – TEVAR training simulation session**
09:00 Workstation planning:
   Deployment in experimental model/simulator
   *EBCTS blueprinting 2.5.4, 2.5.5, 2.5.12, 2.5.13, 2.5.15, 2.5.23, 2.5.24*
10:30 Break
11:00 Workstation planning:
   Deployment in experimental model/simulator
   *EBCTS blueprinting 2.5.4, 2.5.5, 2.5.12, 2.5.13, 2.5.15, 2.5.23, 2.5.24*
13:00 Lunch and close