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<b>Friday, November 17</b>		
<b>07:00 – 18:00</b>	<b>Registration</b>	
<b>07:00 – 08:00</b>	<b>Welcome and Breakfast at the Congress Center</b>	Course directors
<b>08:00 – 10:15</b>	<b>Session 1: How to image the LAA</b>	
	Moderators: Apostolos Tzikas, Bushra Rana	
	Panelists: Maurice Buchbinder, Ignacio Cruz Gonzalez	
	<u>Anatomy of the LAA</u>	Karen McCarthy
	<u>Navigating in the LAA: definitions for optimal imaging</u> <u>Ostium, landing zone, depth: where do we draw the line?</u>	Apostolos Tzikas
	<u>How to evaluate the LAA with TEE</u> <u>Clot yes or no? What is SEC? How to use contrast echo? Angulation of the LAA? Where is the best transseptal puncture site? Where is the landing zone?</u>	Bushra Rana
	<u>How to use ICE for LAA closure</u> <u>Do I need a preprocedural TEE? Where to position the probe? What can be seen, what not?</u>	Jens Erik Nielsen-Kudsk
	<u>Good and not so good ICE case examples</u> <u>Can it be used in all cases? Where are the limitations? Has there ever been the need to switch to TEE?</u>	Ronald Binder
	<u>CT for pre-procedural planning</u> <u>Acquisition technique? What and how to measure? Does it help with transseptal puncture?</u>	Tom De Potter
	<u>3 D printing - Just another tool or really helpful?</u>	Ole De Backer
	<u>Fusion imaging for LAA closure</u> <u>Echo-fluoro, CT-fluoro, .....</u>	Ignacio Cruz Gonzalez
	<u>Imaging in complex LAA closure anatomies</u>	Adel Aminian
	Debate	
	<u>Multimodal imaging is the key to success</u>	Jacqueline Saw
	<u>Multimodal imaging is the key to confusion – I need only TEE</u>	Maurice Buchbinder
	<i>Discussion</i>	
<b>10:15 – 10:45</b>	<b>Coffee break</b>	
<b>10:45 – 12:30</b>	<b>Session 2: How to get access to the LAA</b>	
	Moderators: Vivek Reddy, Eberhard Grube	
	Panelists: Matthew Daniels, Randy Lee, Karen McCarthy	
	Live Coordinator: Stefan Bertog	
	<u>Live case transmission from the CardioVascular Center Frankfurt (CVC)</u>	
	<u>Advanced tips and tricks for echo guided transseptal puncture for LAA closure</u> <u>Always inferior and posterior? Challenging cases</u>	Stefan Bertog
	<u>How to manage complications of transseptal puncture</u> <u>Pericardial effusion, tamponade, clots, air embolism, .....</u>	Ignacio Cruz Gonzalez

	<u>Transseptal puncture with ICE</u> <u>Best probe position and imaging views</u>	Matthew Daniels
	<u>Transseptal puncture without TEE</u>	Randy Lee
	<i>Discussion</i>	
<b>12:40 – 14:20</b>	<b>Lunch session: New trial data</b>	
	Moderators: Maurice Buchbinder, Vivek Reddy	
	Panelists: Jens Erik Nielsen-Kudsk, Reda Ibrahim	
	<u>Update on NOACs</u> <u>The message is clear: no need for LAA closure</u>	Matthew Daniels
	<u>Update on EWOLUTION</u> <u>The largest prospective registry in all-comers</u>	Lucas Boersma
	<u>Real world net benefit of LAA closure at one year: safety and efficacy results in patients on DAPT post procedure</u>	Lucas Boersma
	<u>WATCHMAN™ randomized trial update: ASAP TOO Trial</u>	Maurice Buchbinder
	<u>WATCHMAN™ 5 years results: new data from randomized clinical trials</u>	Vivek Reddy
	<u>The new WaveCrest</u>	Tom De Potter
	<u>Update on Amulet clinical trials</u>	Jens Erik Nielsen-Kudsk
	<u>Update on Lariat clinical trials</u>	Randy Lee
	<u>The aMAZE Trial: background, rationale, design and update</u>	Suneet Mittal
	<u>LAmbre LISA PMS</u>	Norbert Klein
	<i>Discussion</i>	
<b>14:20 – 15:50</b>	<b>Session 3: A step forward to become an independent LAA closure device implanter! Challenging cases, prevention and management of complications – advanced tricks and tips</b>	
	Moderators: Stefan Bertog, Martin Bergmann	
	Panelists: Bushra Rana, Maurice Buchbinder	
	Live Coordinator: Sameer Gafoor	
	<u>Live case transmission from the CardioVascular Center Frankfurt (CVC)</u>	
	<u>Case 1: WATCHMAN™</u>	Peter Sick
	<u>Case 2: Amulet™</u>	Dabit Arzamendi
	<u>Case 3: WATCHMAN™</u>	Martin Bergmann
	<u>Case 4: Amulet™</u>	Raveen Bazaz
	<i>Discussion</i>	
<b>15:50 – 16:20</b>	<b>Coffee break</b>	
<b>16:20 – 18:00</b>	<b>Session 4: A step forward to become an independent LAA closure device implanter! Challenging cases, prevention and management of complications – advanced tricks and tips</b>	
	Moderators: Kevin Walsh, Neil Wilson	
	Panelists: Randy Lee, Sameer Gafoor	
	Live Coordinator: Stefan Bertog	
	<u>Live case transmission from the CardioVascular Center Frankfurt (CVC)</u>	

	<u>Case 1: WATCHMAN™</u>	Tom De Potter
	<u>Case 2: Amulet™</u>	Xavier Freixa
	<u>Case 3: WATCHMAN™</u>	Maurice Buchbinder
	<u>Case 4: Amulet™</u>	Apostolos Tzikas
	<u>Case 5: LAmbre™</u>	Leif-Hendrik Boldt
	<i>Discussion</i>	
<b>18:00 - 21:00</b>	<b>Get together</b>	

## Saturday, November 18

<b>07:00 – 08:00</b>	<b>E-Poster presentation &amp; breakfast</b>	
	Moderators: Stefan Bertog, Kolja Sievert	
<b>08:00 – 09:20</b>	<b>Session 5: How to start a program and how to find appropriate patients</b>	
	Moderators: Sameer Gafoor, Neil Wilson	
	Panelists: Jacqueline Saw, Ole De Backer	
	<u>Update in guidelines and recommendations</u>	Stefan Bertog
	<u>Reimbursement problems: how to convince payers</u> <u>Is it cost effective only in the US or also elsewhere?</u>	Stefan Bertog
	<u>Infrastructure and team building</u> <u>What do I really need and who should be involved</u>	Sameer Gafoor
	<u>How to do it in local anesthesia</u>	Ole De Backer
	LAA program success stories	
	<u>Copenhagen</u>	Ole De Backer
	<u>Oxford</u>	Matthew Daniels
	<u>How to convince referring colleagues</u> <u>GPs, gastroenterologists, nephrologists, neurologists and others</u>	Alexander Ghanem
	<i>Discussion</i>	
<b>9:20 – 10:05</b>	<b>Session 6: New indications to explore</b>	
	Moderators: Neil Wilson, Eberhard Grube	
	Panelists: Sameer Gafoor, Andreas Metzner	
	<u>LAA closure before, during or after ablation</u>	Andreas Metzner
	<u>Could there be a role of LAA closure plus anticoagulation in afib patients with recurrent embolic events?</u>	Apostolos Tzikas
	<u>LAA closure in valvular heart disease</u> <u>After valve replacement, TAVR, MitaClip, ....</u>	Ole De Backer
	<i>Discussion</i>	
<b>10:05 – 10:35</b>	<b>Coffee break</b>	

<b>10:35 – 12:45</b>	<b>Session 7: New devices and techniques – Recently approved or still in the pipeline</b>	
	Moderators: Eberhard Grube, Randy Lee	
	Panelists: Iqbal Malik, Martin Bergmann	
	Live Coordinator: Stefan Bertog	
	<u>Live case transmission from the CardioVascular Center Frankfurt (CVC)</u>	
	<u>LAmbre (Lifetech)</u>	Yat Yin Lam
	<u>SeaLA – First in man results</u>	Horst Sievert
	<u>The new LARIAT RS (SentreHEART)</u>	Andreas Metzner
	<u>AtriClip (AtriCure)</u>	Johann-Christoph Geller
	<u>The new Occlutech LAA Occluder</u>	Iqbal Malik
	<u>WaveCrest recorded case</u>	Martin Bergmann
	<u>Ultrasept LAA Occluder</u>	Luis Asmarats
	<i>Discussion</i>	
<b>12:55 – 14:25</b>	<b>Lunch session: Complications of LAA closure</b>	
	Moderators: Apostolos Tzikas, Shakeel A. Qureshi	
	Panelists: Sergio Berti, Eberhard Grube	
	<u>Device embolization</u>	Kolja Sievert
	<u>Pericardial effusion and tamponade</u>	Sameer Gafoor
	<u>Thrombus on the device</u>	Sergio Berti
	<u>The dynamics of D-dimer level in the postoperative period: Does it predict thrombus formation?</u>	Andrey Kalemberg
	<u>Embolic protection devices for LAA closure? Rational and devices</u>	Eberhard Grube
	<u>Recorded live case</u>	Apostolos Tzikas
	<i>Discussion</i>	
<b>14:25 – 15:50</b>	<b>Session 8: Postprocedural management and follow up after LAA closure</b>	
	Moderators: Kevin Walsh, Shakeel A. Qureshi	
	Panelists: Bushra Rana, Stefan Bertog	
	Live Coordinator: Sameer Gafoor	
	<u>Live case transmission from the CardioVascular Center Frankfurt (CVC)</u>	
	<u>Aspirin, Plavix, anticoagulation? In whom? How long?</u>	Alexander Ghanem
	<u>Follow-up with TEE When? What to look for? Results?</u>	Bushra Rana
	<u>Catheter closure of residual leaks When it may be indicated? How to do it</u>	Laura Vaskelyte
	<i>Discussion</i>	
<b>15:50 – 16:20</b>	<b>Coffee break</b>	

<b>16:20 – 18:00</b>	<b>Session 9: Interesting and challenging cases</b>	
	Moderators: Stefan Bertog, Lars Sondergaard	
	Panelists: Bushra Rana, Kevin Walsh	
	Live Coordinator: Shakeel A. Qureshi	
	<u>Case 1</u>	Mohamad Alkhoul
	<u>Case 2</u>	Kevin Walsh
	<u>Case 3</u>	Lars Sondergaard
	<u>Case 4</u>	Thorsten Hanke
	<u>Case 5</u>	Achille Gaspardone
	<i>Discussion</i>	
	<u>Live case transmission from the CardioVascular Center Frankfurt (CVC)</u>	
<b>18:00 – 18:10</b>	<b>Closing remarks and goodbye</b>	Course directors

**SEE YOU**  
**NEXT YEAR AT**  
**LAA 2018!**