

Program

CSI Frankfurt 2024

Wednesday, June 19th

Blue room

Time	Session	Speakers	Min
08:30-10:45	PLENARY SESSION CSI highlights		135
	MODERATORS: - Horst Sievert - Shakeel Qureshi		
	PANELISTS: - Mario Carminati - John Carroll - Sameer Gafoor - Dee Dee Wang - Juan Granada		
08:30-08:33	Welcome	Shakeel Qureshi, Horst Sievert, Mario Carminati	3
08:33-09:03	Live case transmission		30
09:03-09:23	Live case transmission		20
	Highlights		
09:23-09:28	Acute stroke treatment: big impact in a small center		5
09:28-09:31	<i>discussion</i>		3
09:31-09:36	What is electrosurgery?	Adam Greenbaum	5
09:36-09:39	<i>discussion</i>		3
09:39-09:44	Why should interventional cardiologists attend the EP sessions?	Christian-Hendrik Heeger	5
09:44-09:47	<i>discussion</i>		3
09:47-09:52	You have an idea for a device?		5
09:52-09:55	<i>discussion</i>		3
09:55-10:00	Lymphatic interventions - what on earth is that?	John Thomson	5
10:00-10:03	<i>discussion</i>		3
10:03-10:08	Join us in the "research den"	Stefan Bertog	5
10:08-10:11	<i>discussion</i>		3
10:11-10:23	Train with Mr. TEEmothy - simulation training to improve your clinical outcomes	Bushra Rana, Andrzej Gackowski	12
10:23-10:28	<i>discussion</i>		5
	Keynote		

10:28-10:40	We are intelligent! Do we need artificial intelligence?	Martin Leon	12
10:40-10:45	<i>discussion</i>		5
Time	Session	Speakers	Min
11:10-13:10	FOCUS WORKSHOP: ASDs - Back to basics		120
	MODERATORS: - Shakeel Qureshi - Martin Bocks		
	PANELISTS: - Haysam Baho - Saleha Kabir - Aphrodite Tzifa - Tomohito Kogure		
11:10-11:35	Live case transmission Transmission from CardioVascular Center CVC Frankfurt, Germany	Horst Sievert	25
11:35-11:47	Morphological/ultrasound appearances of ASDs: all types	Karen McCarthy, Nilesh Sutaria	12
11:47-11:52	<i>discussion</i>		5
	Everything you need to know about:		
11:52-11:56	ASD closure under TTE guidance - how I do it	Yongquan Xie	4
11:56-12:00	ASD closure under TTE guidance - how I do it	Radityo Prakoso	4
12:00-12:04	ASD closure under TEE guidance	Bushra Rana	4
12:04-12:08	ASD closure under ICE guidance	Zahid Amin	4
12:08-12:20	<i>discussion</i>		12
	Approaches to more complicated defects		
12:20-12:27	Imaging of multiple defects, fenestrations and aneurysmal septum	Misha Bhat	7
12:27-12:31	<i>discussion</i>		4
12:31-12:38	Large and multiple ASDs	Sven Dittrich	7
12:38-12:42	<i>discussion</i>		4
12:42-12:49	The added value of 3D echocardiography	Mirella Molenschot	7
12:49-12:53	<i>discussion</i>		4
12:53-13:05	Contraindications and complications: when not to proceed and what can happen if you still do	Zahid Amin, Teiji Akagi	12
13:05-13:10	<i>discussion</i>		5
Time	Session	Speakers	Min
13:35-15:50	FOCUS WORKSHOP: Next level: complex ASDs and complications after device closure		135
	MODERATORS: - Petru Liuba		

	- Jenny Zablach		
	PANELISTS: - Lucy Eun - Ruth Heying - Amitabha Chattopadhyay - Ajay Mahajan		
	What is a complex ASD and how to approach		
13:35-13:42	ASDs in low-weight infants	Mirella Molenschot	7
13:42-13:47	<i>discussion</i>		5
13:47-13:54	Hemodynamic considerations with pulmonary hypertension	Hakan Wahlander	7
13:54-13:59	<i>discussion</i>		5
13:59-14:06	Closing ASDs in patients with pulmonary hypertension	Alejandro Peirone	7
14:06-14:11	<i>discussion</i>		5
14:11-14:18	ASD with LV dysfunction	Mohamed Kasem	7
14:18-14:23	<i>discussion</i>		5
14:23-14:30	ASD with atrial fibrillation	Clement Karsenty	7
14:30-14:35	<i>discussion</i>		5
	Complications after device closure		
14:35-14:41	AV conduction issues: how to tackle	Oliver Kretschmar	6
14:41-14:46	<i>discussion</i>		5
14:46-14:52	Atrial fibrillation late after closure	Martin Schneider	6
14:52-14:57	<i>discussion</i>		5
14:57-15:03	How to deal with embolization of large devices	Jae Young Choi	6
15:03-15:08	<i>discussion</i>		5
	Device erosion		
15:08-15:13	Historical view of device erosion	Zahid Amin	5
15:13-15:18	Zahid was wrong!	Teiji Akagi	5
15:18-15:27	<i>discussion</i>		9
15:27-15:34	Extremely late complications in ASD closure	Stanimir Georgiev	7
15:34-15:39	<i>discussion</i>		5
15:39-15:45	Tips and tricks with the third generation occluded-ceraflex	Jorge Palazuelos Molinero	6
15:45-15:50	<i>discussion</i>		5
Time	Session	Speakers	Min
16:15-18:30	FOCUS WORKSHOP: The future of ASD closure		135
	MODERATORS: - Mario Carminati		

	- Xiangbin Pan		
	PANELISTS: - Ziyad Hijazi - Ahmet Celebi - Saurabhi Das		
16:15-16:45	Live case transmission		30
	A minimalist approach to ASD closure		
16:45-16:52	Pre-procedure imaging vs assess and proceed – What is the way forward?	Thomas Krasemann	7
16:52-16:59	Fluoro-free ASD closure?	Saleha Kabir	7
16:59-17:06	Do we really need TEE during ASD closure?	Sanjeev Hanumantachrya Naganur	7
17:06-17:13	ASD closures: the day case approach (sedation vs GA)	Nageswara Rao Koneti	7
17:13-17:28	<i>discussion</i>		15
17:28-17:35	Assured trial - 36 month data	Athar Qureshi	7
17:35-17:40	<i>discussion</i>		5
	Biodegradable ASD closure devices		
17:40-17:50	Memosorb occluder	Xiangbin Pan	10
17:50-17:58	<i>discussion</i>		8
17:58-18:08	reSept ASD occluder	Kolja Sievert	10
18:08-18:16	<i>discussion</i>		8
18:16-18:24	The forgiving ASD device – no need for sizing anymore?		8
18:24-18:30	<i>discussion</i>		6

Wednesday, June 19th

Green room

Time	Session	Speakers	Min
11:10-13:10	FOCUS WORKSHOP: Paravalvar leak closure: Indications, imaging and outcome		120
	MODERATORS: - Martin Bergmann - G. Burkhard Mackensen		
	PANELISTS: - David Northridge - Grzegorz Smolka - Axel Hans-Peter Linke - Suphot Srimahachota		
11:10-11:45	Live case transmission		35
	Indications		
11:45-11:53	Paravalvar leaks I have sent to surgery	Dave Hildick-Smith	8
11:53-11:58	<i>discussion</i>		5
11:58-12:06	Paravalvar leaks I have sent to catheter intervention	Thorsten Hanke	8
12:06-12:11	<i>discussion</i>		5
	Imaging		
12:11-12:19	TEE - tips and tricks	Christoph Hammerstingl	8
12:19-12:24	<i>discussion</i>		5
12:24-12:32	CT is essential	Apostolos Tzikas	8
12:32-12:37	<i>discussion</i>		5
12:37-12:45	What does ICE add?	Mackram Eleid	8
12:45-12:50	<i>discussion</i>		5
	How to define procedural success?		
12:50-12:56	One device is enough		6
12:56-13:02	Only zero residual leak is enough	Allison Cabalka	6
13:02-13:10	<i>discussion</i>		8
Time	Session	Speakers	Min
13:35-15:50	FOCUS WORKSHOP: Equipment and techniques for paravalvar leak closure		135
	FACILITATORS: - Matthew Daniels		
	MODERATORS: - Joachim Schofer - Bushra Rana		
	PANELISTS: - Chad Kliger		

	<ul style="list-style-type: none"> - Kent Chak-yu So - Habib Gamra - Manolis Vavouranakis 		
13:30-14:00	Live case transmission	Horst Sievert	30
14:00-14:30	Live case transmission	Iqbal Malik	30
14:30-14:38	Sheaths, catheters, wires and devices	Mark Turner	8
14:38-14:45	<i>discussion</i>		7
	Step by step techniques		
14:45-14:53	Transfemoral aortic paravalvar leak closure	Patrick Gleason	8
14:53-15:00	<i>discussion</i>		7
15:00-15:08	Transfemoral mitral paravalvar leak closure	Grzegorz Smolka	8
15:08-15:15	<i>discussion</i>		7
15:15-15:23	Transapical mitral paravalvar leak closure	Eustaquio Maria Onorato	8
15:23-15:30	<i>discussion</i>		7
15:30-15:38	Challenging case	Hidehiko Hara	8
15:38-15:45	<i>discussion</i>		7
Time	Session	Speakers	Min
16:15-18:30	FOCUS WORKSHOP: Special cases and complications of paravalvar leak closure		135
	FACILITATORS: - Pablo Tomé		
	MODERATORS: - Gareth Morgan		
	PANELISTS: - Eustaquio Maria Onorato - Markus Scherer - Omar Khalique - Alejandro Peirone		
16:15-16:55	Live case transmission		40
16:55-17:03	Post TAVI paravalvar leak	Kolja Sievert	8
17:03-17:08	<i>discussion</i>		5
17:08-17:16	Mitral leaflet perforations	Richard Jabbour	8
17:16-17:21	<i>discussion</i>		5
17:21-17:29	LVOT pseudoaneurysm	Shakeel Qureshi	8
17:29-17:34	<i>discussion</i>		5
17:34-17:42	Catch the fly- when a device moves	Teoman Kilic	8
17:42-17:47	<i>discussion</i>		5
17:47-17:55	Management of mechanical leaflet obstruction	Bushra Rana	8

17:55-18:00	<i>discussion</i>		5
18:00-18:08	Management of hemolysis	Radwa Bedair	8
18:08-18:15	<i>discussion</i>		7
18:15-18:23	Challenging case presentation	Chad Kliger	8
18:23-18:30	<i>discussion</i>		7

Wednesday, June 19th

Yellow room

Time	Session	Speakers	Min
11:10-11:50	FOCUS WORKSHOP: Overview of heart failure for the interventionalist		40
	FACILITATORS: - Marat Fudim		
	MODERATORS: - Daniel Burkhoff - Martin Leon		
	PANELISTS: - William Abraham - Pedro Villablanca - Avraham Lorber		
11:00-11:08	What does guideline directed medical therapy really mean?	Piotr Ponikowski	8
11:08-11:13	<i>discussion</i>		5
11:13-11:21	Why do we need devices in heart failure treatment?	Daniel Burkhoff	8
11:21-11:26	<i>discussion</i>		5
11:26-11:34	How to overcome barriers to adoption of devices?	Nir Uriel	8
11:34-11:40	<i>discussion</i>		6
Time	Session	Speakers	Min
11:50-13:10	FOCUS WORKSHOP: Ventricular reconstruction therapies		80
	FACILITATORS: - Marat Fudim		
	MODERATORS: - William Abraham - Martin Swaans		
	PANELISTS: - Pedro Villablanca - Domenico D'Amario - Piotr Ponikowski - Marco Metra		
11:50-11:58	Where is the place for LV remodeling devices in the life span of the left ventricle?	Piotr Ponikowski	8
11:58-12:04	<i>discussion</i>		6
	Technologies for ventricular reconstruction		
12:04-12:09	Bioventrix	Martin Swaans	5
12:09-12:13	<i>discussion</i>		4
12:13-12:18	Ancora	Mark Reisman	5
12:18-12:22	<i>discussion</i>		4
12:22-12:27	Cardiac Dimensions	Klaus Witte	5
12:27-12:31	<i>discussion</i>		4

12:31-12:36	V-Sling		5
12:36-12:40	<i>discussion</i>		4
12:40-12:45	Mirth Technique	Adam Greenbaum	5
12:45-12:49	<i>discussion</i>		4
Time	Session	Speakers	Min
13:35-14:40	FOCUS WORKSHOP: Right heart failure		65
	MODERATORS: - Daniel Burkhoff - Gry Dahle		
	PANELISTS: - Lukas Hobohm - Friedrich Koehler - Jeroen Bax - Nir Uriel		
13:35-13:42	The diversity of right heart failure	Gry Dahle	7
13:42-13:48	<i>discussion</i>		6
13:48-13:55	How should patients with right heart failure be treated medically?	Philipp Lurz	7
13:55-14:01	<i>discussion</i>		6
14:01-14:08	The role of TR in right heart failure – does it help to treat?	Ralph Stephan von Bardeleben	7
14:08-14:14	<i>discussion</i>		6
14:14-14:21	Which patients would probably not benefit from intervention	Georg Nickenig	7
14:21-14:27	<i>discussion</i>		6
14:27-14:34	Mechanical assist devices for right heart failure	Alexander Rothman	7
14:34-14:40	<i>discussion</i>		6
Time	Session	Speakers	Min
14:40-15:50	FOCUS WORKSHOP: Neuromodulation and electrical therapies for heart failure		70
	FACILITATORS: - Martin Swaans		
	MODERATORS: - William Abraham - Marat Fudim		
	PANELISTS: - Daniel Burkhoff - Philipp Lurz - Lukas Hobohm - Mark Reisman		
14:40-14:46	Renal denervation	Philipp Lurz	6
14:46-14:50	<i>discussion</i>		4
14:50-14:56	Cardiac Contractility Modulation	Carlo Pappone	6

14:56-15:01	<i>discussion</i>		5
15:01-15:07	Splanchnic nerve modulation		6
15:07-15:12	<i>discussion</i>		5
15:12-15:18	The confluence of the pacing and the heart failure world	Franz X. Kleber	6
15:18-15:23	<i>discussion</i>		5
15:23-15:29	Asymptomatic diaphragmatic stimulation	Marat Fudim	6
15:29-15:34	<i>discussion</i>		5
15:34-15:40	Mechanical stimulation of the baroreceptors	Horst Sievert	6
15:40-15:45	<i>discussion</i>		5
Time	Session	Speakers	Min
16:15-17:35	FOCUS WORKSHOP: Interatrial shunting		80
	FACILITATORS: - Marat Fudim		
	MODERATORS: - Martin Swaans - Daniel Burkhoff		
	PANELISTS: - William Abraham - Kent Chak-yu So - Chaim Lotan		
16:15-16:23	Interatrial shunts: from computer simulation to reality in 2024 – could we have done better?	Daniel Burkhoff	8
16:23-16:28	<i>discussion</i>		5
	Update		
16:28-16:33	Corvia		5
16:33-16:37	<i>discussion</i>		4
16:37-16:42	V-Wave		5
16:42-16:46	<i>discussion</i>		4
16:46-16:51	AFR		5
16:51-16:55	<i>discussion</i>		4
16:55-17:00	Alleviant		5
17:00-17:04	<i>discussion</i>		4
17:04-17:09	Intershunt		5
17:09-17:13	<i>discussion</i>		4
17:13-17:18	Noya	Chaim Lotan	5
17:18-17:23	<i>discussion</i>		5
17:23-17:35	Panel discussion: what is the future of interatrial shunting		12

Time	Session	Speakers	Min
17:35-18:30	FOCUS WORKSHOP: Update on other device based heart failure therapies		55
	FACILITATORS: - Martin Swaans		
	MODERATORS: - Marat Fudim - Marco Metra		
	PANELISTS: - Daniel Burkhoff - William Abraham - Gianluigi Savarese		
	Update on decongestion and cardiorenal devices		
17:35-17:45	The physiological basis of diuretic resistance	William Abraham	10
17:45-17:51	<i>discussion</i>		6
17:51-17:59	Available and upcoming technologies	Marco Metra	8
17:59-18:04	<i>discussion</i>		5
18:04-18:12	Update on telemonitoring – Vectorious	Ignacio J. Amat-Santos	8
18:12-18:17	<i>discussion</i>		5
18:17-18:25	Artificial heart		8
18:25-18:30	<i>discussion</i>		5

Wednesday, June 19th

Red room

Time	Session	Speakers	Min
11:10-13:10	SYMPOSIUM: Coronary fistulas		120
	FACILITATORS: - Damien Kenny		
	MODERATORS: - Mazeni Alwi - Bharat Dalvi		
	PANELISTS: - Srinath T. Gowda - Ankit Sahu - Athar Qureshi - Yifan Li		
11:10-11:40	Live case transmission	Supaporn Roymanee	30
11:40-11:48	Role of CT angiography: pre-procedural planning	Phuoc Duong	8
11:48-11:52	<i>discussion</i>		4
11:52-12:00	Matching device to morphology	Maiy El Sayed	8
12:00-12:04	<i>discussion</i>		4
	Cases examples:		
12:04-12:12	My most challenging case	Behzad Alizadeh	8
12:12-12:16	<i>discussion</i>		4
12:16-12:24	My nightmare case	Tin Do Nguyen	8
12:24-12:28	<i>discussion</i>		4
12:28-12:36	Fistula I will not close	Ankit Sahu	8
12:36-12:40	<i>discussion</i>		4
12:40-12:48	Post closure pharmacological treatment: how I do it?	Eustaquio Maria Onorato	8
12:48-12:54	<i>discussion</i>		6
12:54-13:02	Intermediate to long-term outcome: unravelling the "unnatural" history	Srinath T. Gowda	8
13:02-13:08	<i>discussion</i>		6
Time	Session	Speakers	Min
13:35-15:50	LIVE THEATRE: Congenital cases from Chennai		135
	FACILITATORS: - Shakeel Qureshi		
	MODERATORS: - Gareth Morgan		

	PANELISTS: - Rafael Hirsch - Antigoni Deri - Martin Bocks - Brian Morray		
Time	Session	Speakers	Min
16:15-18:30	SYMPOSIUM: TPVI technology addressing the lifetime management of CHD patients Supported by Edwards		135
16:15-16:18	Introduction		3
16:18-16:26	More tools for patients with dysfunctional RVOT: how to pick the right valve for the right patient?		8
16:26-16:31	<i>discussion</i>		5
16:31-16:39	Clinical program: screening & case scheduling		8
16:39-16:44	<i>discussion</i>		5
16:44-16:52	Patient presentation (intro to the recorded case)		8
16:52-16:57	<i>discussion</i>		5
16:57-17:05	Lifetime management: the right time		8
17:05-17:10	<i>discussion</i>		5
17:10-17:35	TPVI		25
17:35-17:40	<i>discussion</i>		5
17:40-17:48	US experience		8
17:48-17:53	<i>discussion</i>		5
17:53-18:01	Session summary		8
18:01-18:06	<i>discussion</i>		5

Wednesday, June 19th

Purple room

Time	Session	Speakers	Min
11:10-13:10	SYMPOSIUM: Minimally invasive treatment for HOCM		120
	FACILITATORS: - Pablo Tomé		
	MODERATORS: - Carlos Mestres - Song Wan		
	PANELISTS: - Adam Greenbaum - Gry Dahle		
11:10-11:40	Live case transmission		30
11:40-11:47	Hypertrophic cardiomyopathy: an updated review on diagnosis and treatment	Brigitte Stiller	7
11:47-11:52	<i>discussion</i>		5
11:52-11:59	Role of TEER in systolic anterior movement of the mitral valve (SAM)	Karl-Heinz Kuck	7
11:59-12:04	<i>discussion</i>		5
12:04-12:11	Current state of the roles of alcohol septal ablation in the treatment of hypertrophic obstructive cardiomyopathy		7
12:11-12:16	<i>discussion</i>		5
12:16-12:23	Transcatheter septal ablation in hypertrophic obstructive cardiomyopathy: a technical guide	Michel Noutsias	7
12:23-12:28	<i>discussion</i>		5
12:28-12:35	Surgical Myectomy: present and future	Eduard Quintana	7
12:35-12:40	<i>discussion</i>		5
12:40-12:50	Recorded case: Transapical beating heart septal myectomy	Xiang Wei	10
12:50-12:58	<i>discussion</i>		8
Time	Session	Speakers	Min
13:35-15:50	SYMPOSIUM: Antithrombotics after LAA closure		135
	FACILITATORS: - Stefan Bertog		
	MODERATORS: - Edip Gurol - Martin Bergmann		
	PANELISTS: - Jarosław D - Xavier Freixa		
13:35-13:43	Are newer devices making antithrombotic therapy redundant?	Rodney Horton	8
13:43-13:50	<i>discussion</i>		7

13:50-13:58	Which antithrombotic(s) to use after LAA closure based on neurological indications	Edip Gurol	8
13:58-14:05	<i>discussion</i>		7
14:05-14:13	Post-implant antithrombotic(s) after gastrointestinal bleed	Jung-Sun Kim	8
14:13-14:20	<i>discussion</i>		7
14:20-14:28	What to do in case of an embolic event after LAA closure?	Ulf Landmesser	8
14:28-14:35	<i>discussion</i>		7
14:35-14:43	How to deal with major hemorrhage during or after LAA closure?	Sven Möbius-Winkler	8
14:43-14:50	<i>discussion</i>		7
14:50-14:58	Anticoagulation after device thrombus and leaks	Dabit Arzamendi	8
14:58-15:05	<i>discussion</i>		7
15:05-15:13	Antithrombotics after AF ablation and LAA closure	Gaetano Fassini	8
15:13-15:20	<i>discussion</i>		7
Time	Session	Speakers	Min
16:15-18:30	SYMPOSIUM: Electrosurgery		135
	FACILITATORS: - Stefan Bertog		
	MODERATORS: - Adam Greenbaum - Thomas Modine		
	PANELISTS: - G. Burkhard Mackensen - Thorsten Hanke - Phillip Freeman		
16:15-16:21	Preventing coronary obstruction during TAVI: snorkel stenting and BASILICA - what does the data say?	Stephan Haussig	6
16:21-16:25	<i>discussion</i>		4
16:25-16:31	I drowned snorkeling - A case gone bad and when I now discourage it	Jason Foerst	6
16:31-16:36	<i>discussion</i>		5
16:36-16:42	Cut your losses - A BASILICA gone bad and when I now turn it down	Ole De Backer	6
16:42-16:47	<i>discussion</i>		5
16:47-16:53	Preventing LVOT obstruction during TMVR: septal reduction and LAMPOON- what does the data say?	Pedro Villablanca	6
16:53-16:57	<i>discussion</i>		4
16:57-17:06	LAMPOON to prevent LVOT obstruction; let me walk you through two cases (one VIV, one VIR)	Phillip Freeman	9
17:06-17:11	<i>discussion</i>		5
17:11-17:20	How I keep my interventionalist out of trouble during LAMPOON and BASILICA	Patrick Gleason	9

17:20-17:25	<i>discussion</i>		5
17:25-17:31	Dedicated devices for leaflet laceration - Shortcut and TELLTALE		6
17:31-17:35	<i>discussion</i>		4
17:35-17:41	The promise of leaflet excision; SITRIL, Surplus and novel transcatheter approaches	Adam Greenbaum	6
17:41-17:45	<i>discussion</i>		4
17:45-17:51	Preventing LVOT obstruction during TMVR; the new kids on the block (Scorpion, LiwenRF, SESAME)		6
17:51-17:55	<i>discussion</i>		4
17:55-18:01	Resetting the clock: ELASTACLIP and beyond to facilitate TMVR after failed TEER	Adam Matti	6
18:01-18:05	<i>discussion</i>		4
18:05-18:30	Ask the experts - round table discussion on leaflet and septal modification from technical aspects to tips and tricks		25

Wednesday, June 19th

Pink room

Time	Session	Speakers	Min
11:10-12:10	FOCUS WORKSHOP: Device development workshop A new era for innovation		60
	DISCUSSANTS: - Kathleen Marshall - Rafael Beyar - Florian Ludwig		
	MODERATORS: - Yuval Binur		
	PANELISTS: - Richard Linder - Helen Yang		
11:10-11:13	Welcome	Kathleen Marshall	3
11:13-11:22	The innovation world today	Yuval Binur	9
	Panel discussion: handling innovations in a fast-changing world		
11:22-11:22	Before initiating a startup consideration		0
11:22-11:22	Friends and family seeding		0
11:22-11:22	Series A		0
11:22-11:22	FIH alternatives		0
11:22-11:22	How early to exit? Or should I build a big company?		0
11:22-11:22	How to leverage FDA and other regulators?		0
11:22-11:22	Can we do pivotal studies?		0
11:22-11:22	Case examples		0
Time	Session	Speakers	Min
12:10-13:10	FOCUS WORKSHOP: Device development workshop Artificial intelligence		60
	DISCUSSANTS: - Jeroen Bax - Christian Wende - Nicolas Foin		
	MODERATORS: - Rafael Beyar - Richard Lilly		
	PANELISTS: - Sameer Gafoor - Martin Leon		
12:10-12:15	The emergence and impact of Artificial Intelligence	Richard Lilly	5
	Panel discussion and case examples		
12:15-12:20	What is AI?		5

12:20-12:25	Use in diagnostics?		5
12:25-12:30	Use in therapeutical procedures?		5
12:30-12:35	Regulatory aspects of AI		5
12:35-12:40	Reimbursement – who will pay for it?		5
Time	Session	Speakers	Min
13:35-14:40	FOCUS WORKSHOP: Device development workshop Identifying unmet clinical needs		65
	DISCUSSANTS: - Aidan Mulloy - Helen Yang - Richard Linder - Richard Lilly - Cheran Uthirapathi - Esther Novosel		
	MODERATORS: - Yuval Binur - Martin Leon		
	PANELISTS: - Florian Ludwig - Suji Shetty		
	Panel discussion and case examples		
13:35-13:40	Improvements vs. innovations		5
13:40-13:45	How to attract early physicians to the process		5
13:45-13:50	Relations with strategics		5
13:50-13:55	Find early the regulatory and reimbursement path.		5
13:55-14:00	Case study: Xenter Model	Richard Linder	5
Time	Session	Speakers	Min
14:40-15:50	FOCUS WORKSHOP: Device development workshop Regulatory, geographic and clinical strategies & synergies		70
	DISCUSSANTS: - Sameer Gafoor - Nikolai Nikitin - Martin/Zhenlang Chen - Cheran Uthirapathi		
	MODERATORS: - Kathleen Marshall - Chaim Lotan		
	PANELISTS: - Gry Dahle - James Leiter - Suji Shetty		
14:40-14:45	Regulatory strategies to hedge your bets – they do matter and will vary!	Suji Shetty	5
	Panel discussion and case examples		
14:45-14:50	Geographies		5

14:50-14:55	Globalization		5
14:55-15:00	Indications		5
15:00-15:05	PreSubs		5
15:05-15:10	Adaptive trial designs		5
15:10-15:15	Combination strategies		5
Time	Session	Speakers	Min
16:15-18:30	FOCUS WORKSHOP: Device development workshop Start-up Competition		135
	MODERATORS: - Yuval Binur - Kathleen Marshall		

Thursday, June 20th

Blue room

Time	Session	Speakers	Min
08:30-10:30	PLENARY SESSION: What's new		120
	MODERATORS: - Shakeel Qureshi - Martin Leon		
	PANELISTS: - Chaim Lotan - Rafael Beyar - Mario Carminati - Juan Granada		
08:30-08:55	Live case transmission from Mainz, Germany: Tricuspid valve repair	Philipp Lurz	25
08:55-09:20	Live case transmission from Frankfurt, Germany:	Horst Sievert	25
09:20-09:26	Dragonfly landed in Europe: recorded case of mitral valve repair	Georg Nickenig	6
09:26-09:30	<i>discussion</i>		4
09:30-09:36	Anatomically complex subgroup analysis of DRAGONFLY-DMR trial outcomes for mitral valve repair	Jian'an Wang	6
09:36-09:40	<i>discussion</i>		4
09:40-09:46	Now we know how to implant clips – but how to remove them?	G. Burkhard Mackensen	6
09:46-09:50	<i>discussion</i>		4
09:50-09:56	Closing ASDs in the jungle!	Xiangbin Pan	6
09:56-10:00	<i>discussion</i>		4
10:00-10:06	Laralab: Workflow and decision support for heart valve interventions		6
10:06-10:10	<i>discussion</i>		4
10:10-10:16	Cell therapy for heart failure		6
10:16-10:20	<i>discussion</i>		4
10:20-10:26	Update on interatrial shunting		6
10:26-10:30	<i>discussion</i>		4
Time	Session	Speakers	Min
11:00-13:10	FOCUS WORKSHOP: Morphology and anatomy relating to self-expanding pulmonary valve		130
	MODERATORS: - Mario Carminati - Allison Cabalka		
	PANELISTS: - Felix Berger - Claudia Montanaro - Ender Ödemiş - Lorenzo Galletti		
11:00-11:30	Live case transmission		30

11:30-11:37	Variation in native RVOT morphology relating to percutaneous pulmonary valve implantation (PPVI)	Karen McCarthy	7
11:37-11:42	<i>discussion</i>		5
	Optimal modality for pre-procedural imaging		
11:42-11:47	Echo can give you all the information you need	Antigoni Deri	5
11:47-11:52	CT is important	Phuoc Duong	5
11:52-11:57	MRI is important	Giulia Pasqualin	5
11:57-12:05	<i>discussion</i>		8
12:05-12:12	Post implant early valve failure, imaging and identifying problems	Aimee Armstrong	7
12:12-12:17	<i>discussion</i>		5
12:17-12:24	Coronary variation/anomalies - how to interpret and plan for them...	Supaporn Roymanee	7
12:24-12:29	<i>discussion</i>		5
12:29-12:36	Do self-expanding valves compress coronary arteries?	Felix Berger	7
12:36-12:41	<i>discussion</i>		5
12:41-12:48	Percutaneous pulmonary valve implantation (PPVI) - How low in weight can you go?	Sonia El Saiedi	7
12:48-12:53	<i>discussion</i>		5
12:53-13:00	The future of pulmonary valve implantation	Damien Kenny	7
13:00-13:10	<i>discussion</i>		10
Time	Session	Speakers	Min
13:40-15:55	FOCUS WORKSHOP: All about pulmonary valves...		135
	MODERATORS: - Mario Carminati - James Bentham		
	PANELISTS: - Gi Beom Kim - Ahmet Celebi		
13:40-14:10	Live case transmission		30
14:10-14:13	Melody - overview	Demetris Taliotis	3
14:13-14:23	One good case, one bad case: Melody	Marc Gewillig	10
14:23-14:31	<i>discussion</i>		8
14:31-14:34	Harmony - overview	Bryan Goldstein	3
14:34-14:44	One good case, one bad case: Harmony	Lee Benson	10
14:44-14:52	<i>discussion</i>		8
14:52-14:55	Alterra/Sapien - overview	Gareth Morgan	3
14:55-15:05	One good case, one bad case: Alterra/Sapien	Shabana	10

		Shahanavaz	
15:05-15:13	<i>discussion</i>		8
15:13-15:16	Venus P valve - overview	Pimpak Prachasilchai	3
15:16-15:26	One good case, one bad case: Venus P	Supaporn Roymanee	10
15:26-15:34	<i>discussion</i>		8
15:34-15:37	Pulsta valve - overview	Gi Beom Kim	3
15:37-15:47	One good case, one bad case: Pulsta	Mario Carminati	10
15:47-15:55	<i>discussion</i>		8
Time	Session	Speakers	Min
16:25-18:30	FOCUS WORKSHOP: Problems and complications related to percutaneous pulmonary valve implantation (PPVI)		125
	MODERATORS: - John Thomson - Sebastien Hascoet		
	PANELISTS: - Darren Berman - Massimo Chessa - Grégoire Albenque		
16:25-17:05	Live case transmission		40
	Ventricular arrhythmia		
17:05-17:13	How to triage before valve insertion?	Anna Kamp	8
17:13-17:18	<i>discussion</i>		5
17:18-17:26	How to prevent or treat ventricular arrhythmias?	Darren Berman	8
17:26-17:32	<i>discussion</i>		6
17:32-17:40	Case examples and lessons learned	Sophie Guiti Malekzadeh Milani	8
17:40-17:46	<i>discussion</i>		6
17:46-17:54	Valve embolization: how to "get out of jail"?	Shakeel Qureshi	8
17:54-18:00	<i>discussion</i>		6
18:00-18:10	Early pulmonary valve leaflet thrombosis-how big is the problem and what causes it?	Mara Pilati	10
18:10-18:16	<i>discussion</i>		6
18:16-18:22	Access and implant routes: jugular veins? Light pulmonary artery/left pulmonary artery. How and when do you decide?	James Bentham	6
18:22-18:30	<i>discussion</i>		8

Thursday, June 20th

Green room

Time	Session	Speakers	Min
11:00-13:10	FOCUS WORKSHOP: Tips and tricks from "old TAVI hares"		130
	FACILITATORS: - Mohamad Alkhouli		
	MODERATORS: - Kim Won-Keun - Issam Moussa		
	PANELISTS: - Francesco Giannini - Jan Kovac - Francesco Bedogni - Wolfgang Schiller		
11:00-11:30	Live case transmission		30
11:30-11:35	My 5 best tips for difficult aortic valve crossing	Christian Frerker	5
11:35-11:40	<i>discussion</i>		5
11:40-11:45	My 5 best tips for calcified femoral access	Antonio Colombo	5
11:45-11:50	<i>discussion</i>		5
11:50-11:55	My 5 best tips for the management of tortuous vasculature	Mann Chandavimol	5
11:55-12:00	<i>discussion</i>		5
12:00-12:05	My 5 best tips for bail - out of closure device failure	Adam Matti	5
12:05-12:10	<i>discussion</i>		5
12:10-12:15	My 5 best tips for calcified annulus - which valve and why	Mao Chen	5
12:15-12:20	<i>discussion</i>		5
12:20-12:25	My 5 best tips for an embolized valve	Ulrich Schäfer	5
12:25-12:30	<i>discussion</i>		5
12:30-12:35	My 5 best tips for coronary access post TAVI	Arif Khokhar	5
12:35-12:40	<i>discussion</i>		5
12:40-12:48	Recorded case		8
12:48-12:55	<i>discussion</i>		7
12:55-13:03	Recorded case		8
13:03-13:10	<i>discussion</i>		7
Time	Session	Speakers	Min
13:40-15:55	FOCUS WORKSHOP: Novel approaches and technology for the treatment of aortic valve disease		135
	FACILITATORS:		

	- Neil Ruparelia		
	MODERATORS: - Kim Won-Keun - Dee Dee Wang		
	PANELISTS: - Arif Khokhar - Thomas Walther - Antonio Colombo - Maurice Buchbinder		
13:40-14:10	Live case transmission		30
14:10-14:16	Prevention and medical treatment option of AS	Stephan Fichtlscherer	6
14:16-14:21	<i>discussion</i>		5
14:21-14:27	Hit early: asymptomatic severe AS	Axel Hans-Peter Linke	6
14:27-14:32	<i>discussion</i>		5
14:32-14:38	Moderate AS - is it bad enough.... low flow and paradoxical low flow	Martin Leon	6
14:38-14:43	<i>discussion</i>		5
14:43-14:51	Novel TAVI devices for AR and AS: what, when, why?	Eberhard Grube	8
14:51-14:57	<i>discussion</i>		6
14:57-15:03	Leaflet laceration-BASILICA and mechanical	Danny Dvir	6
15:03-15:08	<i>discussion</i>		5
15:08-15:14	Leaflet modification techniques to avoid TAVI – realistic hope or fake?	Juan Granada	6
15:14-15:19	<i>discussion</i>		5
15:19-15:24	Valve in valve (ViV) TAVI	Issam Moussa	5
15:24-15:30	<i>discussion</i>		6
15:30-15:35	TAVI in TAVI	Uri Landes	5
15:35-15:41	<i>discussion</i>		6
15:41-15:47	Surgical removal of a TAVI valve	Thomas Walther	6
15:47-15:53	<i>discussion</i>		6
Time	Session	Speakers	Min
16:25-18:30	FOCUS WORKSHOP: Managing the TAVI - new frontiers in accelerating care		125
	FACILITATORS: - Mohammad Alkhalil		
	MODERATORS: - Eric Eeckhout - Maurice Buchbinder		
	PANELISTS:		

	- Julia Seeger - Simon Lam - Felix Meincke - Xianbao Liu		
16:25-17:00	Live case transmission		35
17:00-17:05	Day case TAVI - who and how	Iqbal Malik	5
17:05-17:10	<i>discussion</i>		5
17:10-17:15	Nurse led sedation - vs the anaesthetist or cardiologist		5
17:15-17:20	<i>discussion</i>		5
17:20-17:25	Can AI help in TAVR?	Utku Gülan	5
17:25-17:30	<i>discussion</i>		5
17:30-17:35	Stroke prevention - new tools or fantasy	Rajesh Kharbanda	5
17:35-17:40	<i>discussion</i>		5
17:40-17:45	Air embolism coming from delivery systems	Saud Khawaja	5
17:45-17:50	<i>discussion</i>		5
17:50-17:55	Video densitometry – toy or tool?	Osama Soliman	5
17:55-18:00	<i>discussion</i>		5
18:00-18:05	Avoiding AV-block after TAVI	Suneet Mittal	5
18:05-18:10	<i>discussion</i>		5
18:10-18:20	What is the lower age limit for TAVI now?	Thomas Walther	10
18:20-18:30	<i>discussion</i>		10

Thursday, June 20th

Yellow room

Time	Session	Speakers	Min
11:00-13:10	FOCUS WORKSHOP: LAA closure technical – From anatomical variability to optimal LAA closure		130
	FACILITATORS: - Dee Dee Wang		
	MODERATORS: - Apostolos Tzikas - Xavier Freixa		
	PANELISTS: - Felix Meincke - Dabit Arzamendi - Bernhard Reimers - Randall Lee		
11:00-11:30	Live case transmission		30
11:30-11:38	Anatomy with focus on basic LAA types (anatomic vs TEE correlation)	Dee Dee Wang	8
11:38-11:46	Challenging anatomies (shallow, oval, chicken wing with short neck – anterior/posterior)	Devi Nair	8
11:46-11:54	<i>discussion</i>		8
11:54-12:02	Device sizing per IFU – where and what to measure	Laura Sanchis	8
12:02-12:05	<i>discussion</i>		3
	What is an optimal implant, what is borderline and what is not acceptable?		
12:05-12:13	Watchman FLX	Marcus Sandri	8
12:13-12:18	<i>discussion</i>		5
12:18-12:26	Amulet	Jacqueline Saw	8
12:26-12:31	<i>discussion</i>		5
12:31-12:39	LAmbre	Simon Lam	8
12:39-12:44	<i>discussion</i>		5
12:44-12:52	Omega	Ignacio Cruz-Gonzalez	8
12:52-12:57	<i>discussion</i>		5
12:57-13:05	Upcoming LAA closure technologies	Kolja Sievert	8
13:05-13:10	<i>discussion</i>		5
Time	Session	Speakers	Min
13:40-15:55	FOCUS WORKSHOP: LAA closure clinical – From expanding indications to improving outcomes		135
	FACILITATORS: - Apostolos Tzikas		

	MODERATORS: - Ole De Backer - Jan Kovac		
	PANELISTS: - Marek Grygier - Edip Gurol - Sergio Berti - Suneet Mittal		
13:40-14:10	Live case transmission		30
14:10-14:17	Will Factor Xla inhibitors solve inhibit LAA closure?	Andreas Zeiher	7
14:17-14:22	<i>discussion</i>		5
	Indications		
14:22-14:29	End stage kidney disease – Close them all?	Ingo Eitel	7
14:29-14:34	<i>discussion</i>		5
14:34-14:41	Stroke on OAC	Edip Gurol	7
14:41-14:46	<i>discussion</i>		5
14:46-14:53	Indications off the beaten track	Jan Kovac	7
14:53-14:58	<i>discussion</i>		5
	Pre-procedural and procedural imaging		
14:58-15:02	I always use CT, and here is how and why	Jens Erik Nielsen-Kudsk	4
15:02-15:06	For me TEE is enough, and here is why	Nina Wunderlich	4
15:06-15:10	With ICE I can beat both of you	Sergio Berti	4
15:10-15:20	<i>discussion</i>		10
15:20-15:27	Definition of peri-device leak: TEE – ICE – CT - Angio	Tom De Potter	7
15:27-15:32	<i>discussion</i>		5
15:32-15:39	How to avoid and manage complications during LAA closure procedures	Felix Meincke	7
15:39-15:44	<i>discussion</i>		5
15:44-15:51	T-Love: thrombus-left atrial appendage occlusion via the guidance of intracardiac echocardiography		7
15:51-15:55	<i>discussion</i>		4
Time	Session	Speakers	Min
16:25-18:30	FOCUS WORKSHOP: LAA closure tango		125
	FACILITATORS: - Neil Ruparella		
	MODERATORS: - Ole De Backer - Martin Bergmann		

	PANELISTS: - Armando Perez de Prado		
16:25-16:55	Live case transmission		30
16:55-16:57	Video introduction		2
16:57-17:07	How to avoid early/late effusion? Pulmonary artery and other risk factors?	Apostolos Tzikas	10
17:07-17:12	<i>discussion</i>		5
17:12-17:22	When and how to search for early/late peridevice leak?	Jacqueline Saw	10
17:22-17:27	<i>discussion</i>		5
17:27-17:37	How to avoid late DRT?	Xavier Freixa, Laura Sanchis	10
17:37-17:42	<i>discussion</i>		5
17:42-17:52	Post-procedural management (finding the balance between Stroke/DRT)	Jens Erik Nielsen-Kudsk, Kasper Korsholm	10
17:52-17:57	<i>discussion</i>		5
17:57-18:00	Video closing		3

Thursday, June 20th

Red room

Time	Session	Speakers	Min
11:00-13:10	SYMPOSIUM: Pulmonary artery stenting		130
	FACILITATORS: - Lee Benson		
	MODERATORS: - Gregor Krings - Marc Gewillig		
	PANELISTS: - Gianfranco Butera - Jose Luis Zunzunegui Martinez - Hussein Abdulwahab Abdullah - Anastasia Schleiger		
11:00-11:08	Stent options in newborns as bail out after surgery	Adam Kolesnik	8
11:08-11:15	<i>discussion</i>		7
11:15-11:23	Stent techniques in bifurcation stenosis: kissing stents, Y-stenting and more	Marc Gewillig	8
11:23-11:30	<i>discussion</i>		7
11:30-11:38	Complex anatomy: how to prevent adjacent structural damage	Gregor Krings	8
11:38-11:45	<i>discussion</i>		7
11:45-11:53	Pulmonary artery stenting in Williams and Alagille syndromes: any hemodynamic benefits?	Martin Bocks	8
11:53-12:00	<i>discussion</i>		7
12:00-12:08	Dealing with multiple bilateral Pulmonary artery branch stenosis – aggressively or step-wise	Sophie Guiti Malekzadeh Milani	8
12:08-12:15	<i>discussion</i>		7
12:15-12:23	Recanalization of occluded pulmonary arteries: tips and tricks	Sebastien Hascoet	8
12:23-12:30	<i>discussion</i>		7
12:30-12:38	Isolated left pulmonary artery stenosis: significance and indications for treatment	Peter Kramer	8
12:38-12:45	<i>discussion</i>		7
12:45-12:53	Pulmonary artery stenting: when things go wrong	Jose Luis Zunzunegui Martinez	8
12:53-13:05	<i>discussion</i>		12
Time	Session	Speakers	Min
13:40-15:55	Most interesting cases		135
	MODERATORS: - Shakeel Qureshi - Stefan Bertog		
	PANELISTS: - Allison Cabalka		

	- Sameer Gafoor		
Time	Session	Speakers	Min
16:25-18:30	PFO SYMPOSIUM Supported by SMT		125

Thursday, June 20th

Purple room

Time	Session	Speakers	Min
07:00-08:25	FLAW FaiLure Analysis Workshop		85
	MODERATORS: - Shakeel Qureshi - Eric Eeckhout		
Time	Session	Speakers	Min
11:00-13:10	SYMPOSIUM: Artificial Intelligence (AI)		130
	FACILITATORS: - Sameer Gafoor		
	MODERATORS: - William Abraham - Nir Uriel		
	PANELISTS: - Jeroen Bax - Utku Gülan		
11:00-11:08	Introduction: AI in health care	Nir Uriel	8
11:08-11:13	<i>discussion</i>		5
11:13-11:21	Speech analysis algorithm to predict HF earlier than clinical signs	William Abraham	8
11:21-11:26	<i>discussion</i>		5
11:26-11:34	How to use artificial intelligence to analyse the data we get from wearable devices		8
11:34-11:39	<i>discussion</i>		5
11:39-11:44	ChatGPT takes on the European exam in core cardiology	Ioannis Skolidis	5
11:44-11:49	<i>discussion</i>		5
11:49-11:57	International evaluation of an AI-powered electrocardiogram model detecting acute coronary occlusion myocardial infarction	Robert Herman	8
11:57-12:02	<i>discussion</i>		5
12:02-12:10	AI in remote ECG monitoring improves arrhythmia detection		8
12:10-12:15	<i>discussion</i>		5
12:15-12:23	AI image guided intervention systems to reduce radiation dose		8
12:23-12:28	<i>discussion</i>		5
12:28-12:33	How can AI help to improve the image quality of TTE		5
12:33-12:38	<i>discussion</i>		5
12:38-12:43	How can AI help to improve the image quality of TEE	Pablo Garcia	5
12:43-12:48	<i>discussion</i>		5

	Safety concerns related to artificial intelligence in health care		
12:48-12:53	Legal and regulatory aspects		5
12:53-12:58	Technical aspects		5
12:58-13:07	<i>discussion</i>		9
Time	Session	Speakers	Min
13:40-15:55	SYMPOSIUM: FLAW FaiLure Analysis Workshop		135
Time	Session	Speakers	Min
16:25-18:30	SYMPOSIUM: Lymphatic interventions		125
	FACILITATORS: - Kuberan Pushparajah		
	MODERATORS: - Maxim Itkin - Marc Gewillig		
	PANELISTS: - Lakshmi Ratnam - Gur Mainzer		
16:25-16:33	Morphology and function of lymphatics: back to basics	Lakshmi Ratnam	8
16:33-16:40	<i>discussion</i>		7
16:40-16:48	Genetics of lymphatic dysplasia: an underutilized tool for targeted treatment		8
16:48-16:55	<i>discussion</i>		7
16:55-17:03	My imaging toolkit in approaching lymphatic disorders	Narayan Karunanithy	8
17:03-17:10	<i>discussion</i>		7
17:10-17:18	Protein-losing enteropathy: is there a role for lymphatic interventions?	Geert Maleux	8
17:18-17:25	<i>discussion</i>		7
17:25-17:33	Lymphatic treatment options in plastic bronchitis and chylothorax. Should we be doing more?	Christoph Bauer	8
17:33-17:40	<i>discussion</i>		7
17:40-17:48	Lymphatic treatment options in ascites: a multicompartiment problem	Maxim Itkin	8
17:48-17:55	<i>discussion</i>		7
17:55-18:03	Late results of "Hraska – Azygos-venous turndown or lymphatic decompression"		8
18:03-18:10	<i>discussion</i>		7
18:10-18:20	Recorded case – protein-losing enteropathy	Claus Christian Pieper	10
18:20-18:30	<i>discussion</i>		10

Thursday, June 20th

Pink room

Time	Session	Speakers	Min
08:30-10:30	PICES @ CSI		120
	MODERATORS: - Daniel McLennan - Rizwan Rehman		
08:30-08:40	PICES update		10
08:40-08:45	<i>discussion</i>		5
08:45-09:00	Case 1		15
09:00-09:05	<i>discussion</i>		5
09:05-09:20	Case 2		15
09:20-09:25	<i>discussion</i>		5
09:25-09:40	Case 3		15
09:40-09:45	<i>discussion</i>		5
09:45-10:00	What it's like to be a mentor	Vivian Dimas	15
10:00-10:05	<i>discussion</i>		5
10:05-10:20	Well being as an interventional cardiologist	Daniel McLennan	15
10:20-10:25	<i>discussion</i>		5
Time	Session	Speakers	Min
11:00-13:10	SYMPOSIUM: Device based heart failure treatment in children		130
	MODERATORS: - Sharon Borik - R. Suresh Kumar		
	PANELISTS: - Ryan Callahan - Cecilia Britton - Ulrike Herberg - Alain Fraisse		
11:00-11:07	AFR uses in Heart Failure and congenital heart disease	Kothandam Sivakumar	7
11:07-11:13	<i>discussion</i>		6
11:13-11:20	Heart failure due to cardiomyopathy in children	Sonia El Saiedi	7
11:20-11:26	<i>discussion</i>		6
11:26-11:36	Recorded case AFR	Jenny Zablah	10
11:36-11:46	<i>discussion</i>		10
11:46-11:53	Percutaneous options for LV support	Vivian Dimas	7
11:53-12:00	<i>discussion</i>		7
12:00-12:07	Percutaneous options for RV support	Jenny Zablah	7

12:07-12:14	<i>discussion</i>		7
12:14-12:21	Percutaneous veno-arterial and veno-venous ECMO	Daniel McLennan	7
12:21-12:28	<i>discussion</i>		7
12:28-12:35	Interventions on in patients under ECMO support	David Crossland	7
12:35-12:42	<i>discussion</i>		7
12:42-12:49	LV assist devices	Matthew Stone	7
12:49-12:56	<i>discussion</i>		7
12:56-13:03	Artificial heart	Edward Hickey	7
13:03-13:10	<i>discussion</i>		7
Time	Session	Speakers	Min
13:40-15:55	SYMPOSIUM: Adult congenital heart disease (ACHD) Complex cases and late presenters		135
	FACILITATORS: - Radwa Bedair		
	MODERATORS: - Teiji Akagi - Maiy El Sayed		
	PANELISTS: - Heba Attia - Amr Mansour - Lorenzo Galletti		
13:40-13:48	The increasing burden of congenital heart disease in the adult population	Ralph Stephan von Bardeleben	8
13:48-13:54	<i>discussion</i>		6
	Interventions in late presenters with congenital heart diseases		
13:54-14:02	Untreated congenital heart disease	Endale Tefera	8
14:02-14:10	Previously treated congenital heart disease	Stephan Schubert	8
14:10-14:20	<i>discussion</i>		10
14:20-14:28	The changing role of surgery in ACHD	Zohair Al Halees	8
14:28-14:34	<i>discussion</i>		6
14:34-14:42	Arrhythmias in untreated and surgically treated congenital heart disease	Mervat Aboulmaaty	8
14:42-14:48	<i>discussion</i>		6
	Case examples		
14:48-14:55	Stenting of stenosed pulmonary venous pathway after Senning operation	Maiy El Sayed	7
14:55-15:00	<i>discussion</i>		5
15:00-15:07	Dealing with hemoptysis from MAPCAs	Bjorn Cools	7
15:07-15:12	<i>discussion</i>		5

15:12-15:19	Late closure of ASD	Alaa Roushdy	7
15:19-15:24	<i>discussion</i>		5
15:24-15:31	Challenging case presentation	Georg Daniel Duerr	7
15:31-15:36	<i>discussion</i>		5
15:36-15:43	Challenging case presentation	Ihab Diab	7
15:43-15:48	<i>discussion</i>		5
Time	Session	Speakers	Min
16:25-18:30	SYMPOSIUM: Vascular access in children		125
	FACILITATORS: - Peter Zartner		
	MODERATORS: - Dietmar Schranz - Shabana Shahanavaz		
	PANELISTS: - Pimpak Prachasilchai - Mohammad Ryan Abumehdi - Amit Bhan		
16:25-16:32	Ultrasound guided femoral punctures: step by step	Shyam K. Sathanandam	7
16:32-16:39	<i>discussion</i>		7
	Trans-carotid approach		
16:39-16:46	Surgical cut down preferred	Luca Giugno	7
16:46-16:53	Percutaneous approach preferred	John Breinholt	7
16:53-17:04	<i>discussion</i>		11
17:04-17:12	Axillary artery approach: scope and limitations	Demetris Taliotis	8
17:12-17:19	<i>discussion</i>		7
17:19-17:26	Trans-hepatic access and closure: step by step	Antony Hermuzi	7
17:26-17:33	<i>discussion</i>		7
17:33-17:40	Compressing the groin: preventing and treating arterial thrombosis	Sachin Khambadkone	7
17:40-17:47	<i>discussion</i>		7
17:47-17:54	Hybrid access to the heart	Damien Kenny	7
17:54-18:01	<i>discussion</i>		7
18:01-18:08	Accessing the atrium in the patient with a Fontan circulation	Eric Rosenthal	7
18:08-18:15	<i>discussion</i>		7
18:15-18:23	Challenging case	Daniel McLennan	8
18:23-18:30	<i>discussion</i>		7

Friday, June 21st

Blue room

Time	Session	Speakers	Min
08:30-10:30	PLENARY SESSION: Late breaking trials and awards ceremony		120
	MODERATORS: - Shakeel Qureshi - Adam Greenbaum		
	PANELISTS: - John Carroll - Jian'an Wang - Apostolos Tzikas - Stefan Bertog		
08:30-09:00	Live case transmission from Bordeaux, France: Tricuspid valve replacement	Thomas Modine	30
09:00-09:25	Live case transmission from Frankfurt, Germany:	Horst Sievert	25
	Late breaking trials		
09:25-09:30	RECOVER-HF Pilot Study: synchronized diaphragmatic stimulation for HFrEF therapy	Marat Fudim	5
09:30-09:34	<i>discussion</i>		4
09:34-09:39	Update on AltaValve early feasibility trial	Vlasis Ninios	5
09:39-09:43	<i>discussion</i>		4
09:43-09:48	Tricvalve bicaval system for the treatment of severe tricuspid regurgitation: long-term outcomes from an international and multicentre registry		5
09:48-09:52	<i>discussion</i>		4
	Awards ceremony		
09:52-10:02	CSI LIFETIME ACHIEVEMENT AWARD		10
10:02-10:12	CSI INNOVATION AWARD		10
10:12-10:22	CSI BEST CASE AWARD		10
Time	Session	Speakers	Min
11:00-13:05	FOCUS WORKSHOP: Peri-membraneous VSD closure		125
	MODERATORS: - Alain Fraise - Petru Liuba		
	PANELISTS: - Jou-Kou Wang - Peter Zartner - Hideshi Tomita		
11:00-11:30	Live case transmission		30
	Transcatheter peri-membraneous VSD closure		
11:30-11:38	Evolving indications and techniques over the last two decades	Felix Berger	8
11:38-11:42	<i>discussion</i>		4

11:42-11:50	Variations in infants and adults - matching devices to the anatomy	Ali Houeijeh	8
11:50-11:54	<i>discussion</i>		4
11:54-12:02	Only one device is needed!	Alain Fraise	8
12:02-12:06	<i>discussion</i>		4
	Debate: should we close a small peri-membraneous VSD		
12:06-12:12	Pro.	Cesar Abelleira Pardeiro	6
12:12-12:18	Cons.	Mazeni Alwi	6
12:18-12:26	<i>discussion</i>		8
12:26-12:34	What is the cause of AV block in VSD closure?	Nageswara Rao Koneti	8
12:34-12:39	<i>discussion</i>		5
12:39-12:47	Peri-membraneous VSD closure with a bioabsorbable occluder	Xiangbin Pan	8
12:47-12:52	<i>discussion</i>		5
12:52-13:00	Challenging case	Hemant Kumar Nayak	8
13:00-13:05	<i>discussion</i>		5
Time	Session	Speakers	Min
13:35-15:45	FOCUS WORKSHOP: Techniques of transcatheter closure of VSD		130
	MODERATORS: - Kevin Walsh - Tin Do Nguyen		
	PANELISTS: - Worakan Promphan - Sok-Leng Kang - Markus Ferrari - Hemant Kumar Nayak		
13:35-14:10	Live case		35
14:10-14:18	How to get the best image on angiography and echo for VSD closure	Yun-Ching Fu	8
14:18-14:24	<i>discussion</i>		6
14:24-14:32	Retrograde approach: when and how?	Masood Sadiq	8
14:32-14:37	<i>discussion</i>		5
14:37-14:45	Antegrade approach: when and how?	Muthukumaran Chinnasamy Sivaprakasam	8
14:45-14:50	<i>discussion</i>		5
14:50-14:58	How to close post-surgical residual VSD?	Sherien Abdelsalam	8
14:58-15:03	<i>discussion</i>		5

15:03-15:11	Closure of muscular VSD: when transcatheter? When hybrid? When surgery?	Ziyad Hijazi	8
15:11-15:17	<i>discussion</i>		6
15:17-15:25	Outlet VSD: to close or not to close	Jou-Kou Wang	8
15:25-15:31	<i>discussion</i>		6
15:31-15:39	Challenging case presentation	Mats Synnergren	8
15:39-15:45	<i>discussion</i>		6
Time	Session	Speakers	Min
16:15-18:30	FOCUS WORKSHOP: Long-term results and complications of VSD closure		135
	MODERATORS: - Gareth Morgan		
	PANELISTS: - John Thomson - Martin Schneider - Marhisham Che Mood - Robert Sabiniewicz		
16:15-16:45	Live case		30
16:45-17:15	Panel discussion: Long-term result of perimembraneous VSD closure	Lan Hieu Nguyen, Jinyoung Song, Kevin Walsh, Mark Galantowicz, Nurun Nahar Fatema	30
17:15-17:23	Long-term result of outlet VSD closure	Rahmat Budi Kuswiyanto	8
17:23-17:30	<i>discussion</i>		7
17:30-17:38	Management of residual shunt and hemolysis		8
17:38-17:45	<i>discussion</i>		7
17:45-17:53	Management of left and right bundle branch block and in VSD device closure	Carles Bautista	8
17:53-18:00	<i>discussion</i>		7
18:00-18:08	Challenging case	Haysam Baho	8
18:08-18:15	<i>discussion</i>		7
18:15-18:23	Challenging case	Thomas Forbes	8
18:23-18:30	<i>discussion</i>		7

Friday, June 21st

Green room

Time	Session	Speakers	Min
11:00-13:05	FOCUS WORKSHOP: Tricuspid valve anatomy, imaging and invasive hemodynamic assessment		125
	FACILITATORS: - Matthew Price		
	MODERATORS: - Julia Grapsa - Joachim Schofer		
	PANELISTS: - Sebastian Ludwig - Susheel Kodali - Edwin Ho - Marianna Adamo		
11:00-11:25	Live case transmission		25
11:25-11:32	The clinical spectrum of TR patients: when is the ideal time to intervene?	Marco Metra	7
11:32-11:37	<i>discussion</i>		5
11:37-11:52	Patho-anatomy and imaging of the tricuspid valve	Rebecca Hahn	15
11:52-12:02	<i>discussion</i>		10
12:02-12:09	Tricuspid valve and right heart anatomy/physiology – Implications for treatment	Victoria Delgado Garcia	7
12:09-12:14	<i>discussion</i>		5
	Debate: diagnostic assessment of TR severity		
12:14-12:19	Invasive hemodynamic assessment in ALL TR patients	Ralph Stephan von Bardeleben	5
12:19-12:24	Invasive hemodynamic assessment in SELECTIVE TR patients	Lukas Stolz	5
12:24-12:29	<i>discussion</i>		5
12:29-12:36	Non-invasive assessment of right heart function in severe TR – Outcomes and implications for therapy selection	Karl-Philipp Rommel	7
12:36-12:41	<i>discussion</i>		5
12:41-12:48	Isolated TV surgery: who are the candidates, when and how to treat	Hendrik Treede	7
12:48-12:53	<i>discussion</i>		5
12:53-13:00	How to recognize and manage postoperative/postinterventional acute right heart failure	Gry Dahle	7
13:00-13:05	<i>discussion</i>		5
Time	Session	Speakers	Min
13:35-15:00	FOCUS WORKSHOP: Tricuspid transcatheter edge-to-edge repair techniques and clinical decision-making		85

	FACILITATORS: - Kim Won-Keun		
	MODERATORS: - Joachim Schofer - Danny Dvir		
	PANELISTS: - Madalina Garbi - Alison Duncan - Nicolas Van Mieghem - Jian'an Wang		
13:35-13:42	Patient selection for T-TEER: anatomical and technical considerations	Anna Sannino	7
13:42-13:47	<i>discussion</i>		5
13:47-13:54	T-TEER imaging to optimize procedural success	Edwin Ho	7
13:54-13:59	<i>discussion</i>		5
13:59-14:06	New clinical evidence for T-TEER (Pascal, MitraClip)	Tobias Ruf	7
14:06-14:11	<i>discussion</i>		5
	Tips and tricks for procedural T-TEER success: case-based		
14:11-14:16	T-TEER device strategies: large gaps	Susheel Kodali	5
14:16-14:21	T-TEER device strategies: multiple leaflets	Niklas Schofer	5
14:21-14:26	T-TEER in the presence of Cardiac Implantable Electronic Devices (CIEDs)	Matthew Price	5
14:26-14:36	<i>discussion</i>		10
14:36-14:43	Who is not a candidate for TEER and when to stop T-TEER	Sameer Gafoor	7
14:43-14:48	<i>discussion</i>		5
14:48-14:55	Therapeutic options after failed T-TEER	Felix Kreidel	7
14:55-15:00	<i>discussion</i>		5
Time	Session	Speakers	Min
15:00-15:45	FOCUS WORKSHOP: Heterotopic tricuspid valve replacement Current indications and technologies		45
	FACILITATORS: - Kim Won-Keun		
	MODERATORS: - Gry Dahle - Eberhard Grube		
	PANELISTS: - Sameer Gafoor - Antonio Mangieri - Scott Lim - Wojciech Wojakowski		
15:00-15:10	Pathophysiologic and anatomical considerations and indications	Alexander Lauten	10
15:10-15:15	<i>discussion</i>		5

15:15-15:22	TricValve: concept, clinical update, case example	Ignacio J. Amat-Santos	7
15:22-15:29	Trillium and Unica valve: concept, clinical update, case example	Rodrigo Estevez-Loureiro	7
15:29-15:38	<i>discussion</i>		9
Time	Session	Speakers	Min
16:15-17:20	FOCUS WORKSHOP: Transcatheter tricuspid repair technologies: the present and the future		65
	FACILITATORS: - Sameer Gafoor		
	MODERATORS: - Martin Leon - Eberhard Grube		
	PANELISTS: - Niklas Schofer - Eric Eeckhout - Alison Duncan		
16:15-16:22	Transcatheter tricuspid valve repair: historical overview and current landscape	Mackram Eleid	7
16:22-16:26	<i>discussion</i>		4
16:26-16:33	Transcatheter tricuspid annular repair: lessons learned from surgical and early generation annuloplasty technologies	Scott Lim	7
16:33-16:37	<i>discussion</i>		4
16:37-16:42	Non-annular fixation devices for tricuspid regurgitation	Wojciech Wojakowski	5
16:42-16:46	<i>discussion</i>		4
	Debate: do we need annular reduction therapies		
16:46-16:51	Yes	Ralph Stephan von Bardeleben	5
16:51-16:55	<i>discussion</i>		4
16:55-17:00	May not be necessary!	Christian Frerker	5
17:00-17:04	<i>discussion</i>		4
Time	Session	Speakers	Min
17:20-18:30	FOCUS WORKSHOP: Orthotopic tricuspid valve replacement: current and evolving indications and technologies Current and evolving indications and technologies		70
	FACILITATORS: - Sameer Gafoor		
	MODERATORS: - Matthew Price - Marco Metra		
	PANELISTS: - Martin Swaans - Stephan Haussig - Chi Shing Michael Chiang		

	- Mackram Eleid		
17:20-17:25	Ideal candidate for orthotopic TTVR – clinical and anatomical considerations	Marianna Adamo	5
17:25-17:26	<i>discussion</i>		1
17:26-17:56	Live case transmission		30
17:56-17:57	<i>discussion</i>		1
17:57-18:05	Tips and tricks for procedural success with EVOQUE	Rahul Sharma	8
18:05-18:10	Clinical data in TTVR	Susheel Kodali	5
18:10-18:15	Trisol valve early feasibility study update	Isaac George	5
18:15-18:20	New devices on the TTVR horizon and remaining unmet clinical needs	Martin Leon	5
	Debate		
18:20-18:25	TTVR will rapidly become the gold standard of TR treatment	Isaac George	5
18:25-18:30	TTVR use will be reduced to a specific patient and anatomical subset	Georg Nickenig	5

Friday, June 21st

Yellow room

Time	Session	Speakers	Min
11:00-13:05	FOCUS WORKSHOP: Hot topics in PFO closure		125
	FACILITATORS: - Neil Ruparelia		
	MODERATORS: - John Carroll		
	PANELISTS: - Christian Pristipino - Matthew Daniels - Edip Gurol - David Thaler		
11:00-11:30	Live case transmission		30
11:30-11:42	Anatomy and physiology of PFO: development of the atrial septum and morphological phenotypes	Karen McCarthy	12
11:42-11:47	<i>discussion</i>		5
	Hot topics: who should have a PFO closure?		
11:47-11:53	Applying the PASCAL classification to optimize patient selection: the new standard approach?	David Kent	6
11:53-11:58	<i>discussion</i>		5
11:58-12:04	Secondary prevention in older adults	Christian Pristipino	6
12:04-12:09	<i>discussion</i>		5
12:09-12:15	PFO closure for migraine: light at the end of the tunnel?	Mark Reisman	6
12:15-12:20	<i>discussion</i>		5
	Panel discussion: Is there a place for primary prevention		
12:20-12:23	prior to specific surgical procedures?	Sameer Gafoor	3
12:23-12:26	in divers?	Mark Turner	3
12:26-12:29	in patients with thrombophilia?	Dave Hildick-Smith	3
12:29-12:32	in patients with pulmonary embolism and deep vein thrombosis?	John Carroll	3
12:32-12:35	in all patients?	Mohammad Alkhalil	3
12:35-13:05	<i>discussion</i>		30
Time	Session	Speakers	Min
13:35-15:45	FOCUS WORKSHOP: How to close a PFO and available PFO closure devices		130
	FACILITATORS: - Gareth Morgan		
	MODERATORS:		

	- Eustaquio Maria Onorato		
	PANELISTS: - Iqbal Malik - Thomas Forbes - Mark Turner - Yifan Li		
13:35-14:00	Live case transmission		25
14:00-14:07	How to cross the PFO and what to do if you can not	Neil Ruparelia	7
14:07-14:11	<i>discussion</i>		4
14:11-14:18	How to evaluate the PFO: TEE, TTE, balloon sizing, angiography or nothing	Nina Wunderlich	7
14:18-14:22	<i>discussion</i>		4
	Pros and cons of closure devices		
14:22-14:27	Amplatzter	David Northridge	5
14:27-14:32	<i>discussion</i>		5
14:32-14:37	Cardioform	Jens Erik Nielsen-Kudsk	5
14:37-14:42	<i>discussion</i>		5
14:42-14:47	Cocoon		5
14:47-14:52	<i>discussion</i>		5
14:52-14:57	Occlutech	Salim Jivanji	5
14:57-15:02	<i>discussion</i>		5
15:02-15:07	Initial Experience with the CeraFlex PFO Occluder	Jose Antonio Baz	5
15:07-15:12	<i>discussion</i>		5
15:12-15:17	MemoPart	Xiangbin Pan	5
15:17-15:22	<i>discussion</i>		5
15:22-15:27	Overview of biodegradable devices	Xiangbin Pan	5
15:27-15:35	<i>discussion</i>		8
Time	Session	Speakers	Min
16:15-18:30	FOCUS WORKSHOP: Challenging scenarios of PFO closure		135
	FACILITATORS: - Radwa Bedair		
	MODERATORS: - John Carroll - Bushra Rana		
	PANELISTS: - Teiji Akagi - Hidehiko Hara - Mark Turner - Maulik Parekh		

16:15-16:45	Live case transmission		30
16:45-16:53	Management of acute complications	Bharat Dalvi	8
16:53-16:59	<i>discussion</i>		6
16:59-17:04	Device related thrombosis during follow-up	Stefan Bertog	5
17:04-17:10	<i>discussion</i>		6
17:10-17:15	Residual shunts: causes and relevance	Lee Benson	5
17:15-17:21	<i>discussion</i>		6
	How to manage this residual shunt: a case of...		
17:21-17:26	Device too large	Ole De Backer	5
17:26-17:32	<i>discussion</i>		6
17:32-17:37	Unidentified additional defect(s)	Bushra Rana	5
17:37-17:43	<i>discussion</i>		6
17:43-17:48	Device too small	Mohamad Alkhouli	5
17:48-17:54	<i>discussion</i>		6
17:54-17:59	Device misplaced	Eustaquio Maria Onorato	5
17:59-18:05	<i>discussion</i>		6
18:05-18:10	Device is kaputt	Kolja Sievert	5
18:10-18:16	<i>discussion</i>		6
18:16-18:23	Management of post-procedural complications	Antonio Bartorelli	7
18:23-18:30	<i>discussion</i>		7

Friday, June 21st

Red room

Time	Session	Speakers	Min
11:00-13:05	SYMPOSIUM: P-valve after CE approval Supported by Venus		125
	MODERATORS: - Shakeel Qureshi		
	PANELISTS: - Supaporn Roymanee - Damien Kenny - Worakan Promphan - Carles Bautista		
11:00-11:30	Live case transmission		30
11:30-11:39	Changing indications for Venus P-valve: how they have changed since the start?	Phuoc Duong	9
11:39-11:44	<i>discussion</i>		5
11:44-11:53	Matching Venus P-valve to different shapes of the RVOT: how have we expanded the use?	Matthew Jones	9
11:53-11:58	<i>discussion</i>		5
11:58-12:07	Venus P-valve in the presence of pulmonary artery stents	Marc Gewillig	9
12:07-12:12	<i>discussion</i>		5
12:12-12:21	Does oversizing matter? Function of Venus P-valve versus compression	Timothy Un	9
12:21-12:25	<i>discussion</i>		4
12:25-12:34	Complications with Venus P-valve and how to manage them?	Ghee Tiong Koh	9
12:34-12:38	<i>discussion</i>		4
12:38-12:47	Multi-centre analysis of implantation of Venus P-Valve after CE approval	Sophie Guiti Malekzadeh Milani	9
12:47-12:51	<i>discussion</i>		4
12:51-13:00	Minimum 5 years follow up with Venus P-valve: durability of the valve	Shakeel Qureshi	9
13:00-13:05	<i>discussion</i>		5
Time	Session	Speakers	Min
13:35-15:45	SYMPOSIUM: Coarctation and aortic arch obstructions		130
	FACILITATORS: - Allison Cabalka		
	MODERATORS: - David Crossland - Francois Godart		
	PANELISTS: - Giuseppe Santoro - Amal El-Sisi		

	- Brian Boe - Alexander Kempny		
13:35-14:05	Live case transmission		30
	Debate: coarctation or re-coarctation below 10kg		
14:05-14:11	Balloon dilation or stenting	Regina Bokenkamp	6
14:11-14:17	Surgery	Zohair Al Halees	6
14:17-14:25	<i>discussion</i>		8
14:25-14:33	Stenting CoA below 2kg: bridging to surgery	Gregor Krings	8
14:33-14:38	<i>discussion</i>		5
14:38-14:46	Dealing with challenges of aortic atresia		8
14:46-14:51	<i>discussion</i>		5
14:51-14:59	BeGraft aortic - long term outcomes for CoA with follow up imaging	Elchanan Bruckheimer	8
14:59-15:04	<i>discussion</i>		5
	Panel discussion		
15:04-15:24	Treating aortic arch hypoplasia: surgery vs percutaneous	Emre Belli, Darren Berman, Stephan Schubert, Claudia Montanaro	20
	Mid-aortic syndrome: when and how to treat		
15:24-15:30	Inflammatory disease	Anil Kumar Singhi	6
15:30-15:36	Intervention for complex types	Narayan Karunanithy	6
15:36-15:45	<i>discussion</i>		9
Time	Session	Speakers	Min
16:15-18:30	Caspian		135
	MODERATORS: - Shakeel Qureshi - Behzad Alizadeh		
	PANELISTS: - Nikolaus Haas - Jae Young Choi - Mazeni Alwi		
16:15-16:45	Live case		30
16:45-16:53	Case 1		8
16:53-16:58	<i>discussion</i>		5
16:58-17:06	Case 2	Behzad Alizadeh	8
17:06-17:11	<i>discussion</i>		5
17:11-17:19	Case 3	Keyhan Sayadpour Zanjani	8

17:19-17:24	<i>discussion</i>		5
17:24-17:32	Case 4	Kothandam Sivakumar	8
17:32-17:37	<i>discussion</i>		5
17:37-17:45	Case 5	Mahmoud Shabestari	8
17:45-17:50	<i>discussion</i>		5
17:50-17:58	Case 6	Hojjat Mortezaeian	8
17:58-18:03	<i>discussion</i>		5
18:03-18:11	Case 7		8
18:11-18:16	<i>discussion</i>		5
18:16-18:24	Case 8	Worakan Promphan	8
18:24-18:30	<i>discussion</i>		6

Friday, June 21st
Purple room

Time	Session	Speakers	Min
07:00-08:25	FLAW FaiLure Analysis Workshop		85
	MODERATORS: - Shakeel Qureshi - Eric Eeckhout		
Time	Session	Speakers	Min
11:00-13:05	FOCUS WORKSHOP: Pulse field ablation for arrythmia treatment		125
	FACILITATORS: - Randall Lee		
	MODERATORS: - Christian-Hendrik Heeger - Devi Nair		
	PANELISTS: - Andreas Metzner - Mathew Shibu - Alexandre Almorad		
11:00-11:30	Live case transmission		30
	Pulsed Field Ablation - hope and reality		
11:30-11:35	The way to go	Arian Sultan	5
11:35-11:40	Wait a moment	Mathew Shibu	5
11:40-11:52	<i>discussion</i>		12
11:52-11:59	Farapulse, latest findings of the first commercial PFA device	Boris Schmidt	7
11:59-12:05	<i>discussion</i>		6
12:05-12:12	PFA and 3D mapping using AFFERA	Andreas Metzner	7
12:12-12:18	<i>discussion</i>		6
12:18-12:30	Biosense Omnipulse, PFA catheter with contact force	Alexandre Almorad	12
12:30-12:36	<i>discussion</i>		6
12:36-12:48	GLOBE, Advantages of a multielectrode PFA system + Recorded case	Devi Nair	12
12:48-12:54	<i>discussion</i>		6
Time	Session	Speakers	Min
13:35-15:45	FOCUS WORKSHOP: Great debate – Hot topics in EP		130
	FACILITATORS: - Christian-Hendrik Heeger		
	MODERATORS: - Randall Lee		

	- Devi Nair		
	PANELISTS: - Arian Sultan - Philipp Sommer - Julian Chun		
13:35-14:10	Live case transmission		35
	Same Day Discharge Pulmonary Vein Isolation		
14:10-14:16	Pro	Alexander Pott	6
14:16-14:22	Contra	Christian Sohns	6
14:22-14:31	<i>discussion</i>		9
14:31-14:41	Venous closure systems for EP procedures	Christian-Hendrik Heeger	10
14:41-14:46	<i>discussion</i>		5
	Persistent Atrial Fibrillation		
14:46-14:52	PVI is enough!	Philipp Sommer	6
14:52-14:58	We should ablate more than the pulmonary veins	Julian Chun	6
14:58-15:08	<i>discussion</i>		10
15:08-15:18	Mitral valve regurgitation: clip or ablate?	Christian-Hendrik Heeger	10
15:18-15:23	<i>discussion</i>		5
	LAA-closure + PVI		
15:23-15:29	Concomitant!	Nico Reinsch	6
15:29-15:35	Stepwise!	Arian Sultan	6
15:35-15:45	<i>discussion</i>		10
Time	Session	Speakers	Min
16:15-18:30	FOCUS WORKSHOP: Rhythmology – Focus LAA		135
	FACILITATORS: - Arian Sultan		
	MODERATORS: - Christian-Hendrik Heeger - Devi Nair		
	PANELISTS: - Randall Lee - Andrea Natale - Christian Ukena		
16:15-16:45	Live case transmission		30
16:45-16:53	Left atrial appendage isolation: Latest findings	Andrea Natale	8
16:53-17:00	<i>discussion</i>		7

Recent strategies for simultaneous AF ablation and LAA closure			
17:00-17:10	Surgery is better!	Sacha Salzberg	10
17:10-17:15	<i>discussion</i>		5
17:15-17:25	Interventional is better!	Randall Lee	10
17:25-17:30	<i>discussion</i>		5
17:30-17:40	Live-in-the-box: surgical LAA closure		10
17:40-17:45	<i>discussion</i>		5
17:45-17:55	LAMINAR device	Devi Nair	10
17:55-18:00	<i>discussion</i>		5
18:00-18:10	LAA closure – future devices	Horst Sievert	10
18:10-18:15	<i>discussion</i>		5

Friday, June 21st

Pink room

Time	Session	Speakers	Min
08:30-10:30	FOCUS WORKSHOP: Carotid and vertebral stenting : step by step		120
Time	Session	Speakers	Min
11:00-13:05	FOCUS WORKSHOP: Carotid stenting: case examples and complications		125
Time	Session	Speakers	Min
13:35-15:45	FOCUS WORKSHOP: Carotid stenting in imminent and acute stroke		130
Time	Session	Speakers	Min
16:15-17:25	FOCUS WORKSHOP: Acute stroke: how to build an interventional stroke center		70
Time	Session	Speakers	Min
17:25-18:30	FOCUS WORKSHOP: Acute stroke: imaging		65

Saturday, June 22nd

Blue room

Time	Session	Speakers	Min
07:00-08:00	Neil Wilson's challenging cases		60
	MODERATORS: - Neil Wilson		
Time	Session	Speakers	Min
08:00-10:00	SYMPOSIUM: RVOT stenting		120
	FACILITATORS: - Ghee Tiong Koh		
	MODERATORS: - Lee Benson - Giuseppe Santoro		
	PANELISTS: - Nageswara Rao Koneti - Sok-Leng Kang - Sachin Khambadkone		
08:00-08:08	Planning for RVOT stenting with emphasis on imaging	Rizwan Rehman	8
08:08-08:13	<i>discussion</i>		5
08:13-08:21	Is covered stent a better option?	Erdem Abdullah	8
08:21-08:26	<i>discussion</i>		5
08:26-08:34	What do I hate about repairing stented RVOT?		8
08:34-08:39	<i>discussion</i>		5
08:39-08:47	Reintervention in RVOT stent when unsuitable for repair	Chetan Mehta	8
08:47-08:52	<i>discussion</i>		5
08:52-09:00	Attempts at risk stratification for interventions in congenital heart disease	Brian Mccrossan	8
09:00-09:05	<i>discussion</i>		5
	Cases where RVOT stenting has gone wrong		
09:05-09:13	Stent migration	Giuseppe Santoro	8
09:13-09:18	<i>discussion</i>		5
09:18-09:26	Coronary compression	Jae Young Choi	8
09:26-09:31	<i>discussion</i>		5
09:31-09:39	RVOT perforation	Sonia El Saiedi	8
09:39-09:44	<i>discussion</i>		5
09:44-09:52	Recorded case	Chetan Mehta	8
09:52-10:00	<i>discussion</i>		8

Time	Session	Speakers	Min
10:30-12:45	SYMPOSIUM: PDA stenting		135
	FACILITATORS: - Jae Young Choi		
	MODERATORS: - Martin Schneider - Oliver Kretschmar		
	PANELISTS: - Sven Dittrich - Vivian Dimas - Aimee Armstrong - Rohit Manoj		
	PDA stenting in duct-dependant circulation (systemic and pulmonary)		
10:30-10:50	Panel discussion: pre-procedural imaging - what is needed to make the right decisions prior to the intervention	Alan Nugent, Hasri Samion, Kuberan Pushparajah	20
10:50-11:10	Panel discussion: when is surgical approach better than catheter approach	Mark Galantowicz, University Hospital Bonn Asfour	20
11:10-11:17	Which stents are best for systemic circulation	Dietmar Schranz	7
11:17-11:22	<i>discussion</i>		5
11:22-11:29	Which stents are best for pulmonary circulation	Peter Zartner	7
11:29-11:34	<i>discussion</i>		5
11:34-11:41	How to avoid and manage complications?	Jose Luis Zunzunegui Martinez	7
11:41-11:46	<i>discussion</i>		5
	My one best and one worst case		
11:46-11:53	Systemic circulation	Aimee Armstrong	7
11:53-12:00	Pulmonary circulation	Gianfranco Butera	7
12:00-12:10	<i>discussion</i>		10
12:10-12:20	Recorded case	Dietmar Schranz	10
12:20-12:30	<i>discussion</i>		10
Time	Session	Speakers	Min
13:05-15:10	SYMPOSIUM: Pulmonary vein stenosis		125
	MODERATORS: - Neil Wilson - Alain Fraise		
	PANELISTS: - Luca Grancini		

	- Martin Schneider		
13:05-13:13	Diagnosis and natural history in neonates and children	Stefan Ostermayer	8
13:13-13:18	<i>discussion</i>		5
13:18-13:26	Medical treatment	Ryan Callahan	8
13:26-13:32	<i>discussion</i>		6
13:32-13:40	Evolving surgical management	Emre Belli	8
13:40-13:46	<i>discussion</i>		6
13:46-13:54	How to set up an interventional program	Jenny Zablah	8
13:54-14:00	<i>discussion</i>		6
14:00-14:08	How to do transcatheter interventions	Eric Rosenthal	8
14:08-14:14	<i>discussion</i>		6
14:14-14:22	Patient population and outcome after surgery or intervention from a national database in the UK	Carles Bautista	8
14:22-14:28	<i>discussion</i>		6
14:28-14:36	Bioresorbable stents	Dietmar Schranz	8
14:36-14:42	<i>discussion</i>		6
14:42-14:50	Pulmonary vein stenosis in adults: how often is it a problem and how to deal with it?	Allison Cabalka	8
14:50-14:56	<i>discussion</i>		6
14:56-15:04	Pulmonary vein stenosis after radiofrequency ablation: an acquired and dreaded complication	Antonio Bartorelli	8
15:04-15:10	<i>discussion</i>		6
Time	Session	Speakers	Min
15:10-17:00	PLENARY SESSION: Live theatre		110

Saturday, June 22nd
Green room

Time	Session	Speakers	Min
08:00-10:00	FOCUS WORKSHOP: Current and future mitral repair technologies		120
	FACILITATORS: - Matthew Price		
	MODERATORS: - Nina Wunderlich - Nicolas Van Mieghem		
	PANELISTS: - Dee Dee Wang - Alexander Sedaghat - Mann Chandavimol - Kerstin Piayda		
08:00-08:06	Role of software and data mining to find patients with severe MR	Omar Khalique	6
08:06-08:11	<i>discussion</i>		5
08:11-08:17	How to access the left atrium for mitral procedures and how to leave it	Tobias Ruf	6
08:17-08:22	<i>discussion</i>		5
08:22-08:30	Imaging pearls to guiding complex TEER	G. Burkhard Mackensen	8
08:30-08:35	<i>discussion</i>		5
08:35-08:41	Recorded case	Horst Sievert	6
08:41-08:46	<i>discussion</i>		5
08:46-08:54	From TEER to TMVR in MAC: how I choose between Clip and CLASP?	Ralph Stephan von Bardeleben	8
08:54-08:59	<i>discussion</i>		5
	Debate		
08:59-09:04	Transcatheter mitral annuloplasty: the future is still ahead	Thomas Modine	5
09:04-09:09	TMVR will outperform annuloplasty by far	Juan Granada	5
09:09-09:16	<i>discussion</i>		7
	Future technologies		
09:16-09:22	ICE guided TEER	Markus Scherer	6
09:22-09:27	<i>discussion</i>		5
09:27-09:33	Introducing the L-Clip: more than words	Yat Yin Lam	6
09:33-09:38	<i>discussion</i>		5
09:38-09:44	Dragonfly	Georg Nickenig	6
09:44-09:49	<i>discussion</i>		5

09:49-09:55	Cordal replacement parade – what is on the horizon	Scott Lim	6
09:55-10:00	<i>discussion</i>		5
Time	Session	Speakers	Min
10:30-12:45	FOCUS WORKSHOP: Mitral replacement: current and future technologies		135
	FACILITATORS: - Issam Moussa		
	MODERATORS: - Dee Dee Wang - Thomas Modine		
	PANELISTS: - Gry Dahle - Pedro Engel Gonzalez - Bushra Rana - Yat Yin Lam		
10:30-10:39	Advanced TEE imaging techniques to guide complex mitral interventions	G. Burkhard Mackensen	9
10:39-10:44	<i>discussion</i>		5
	Surgery will remain the gold-standard access for mitral replacement for the next decade		
10:44-10:49	Pro	Hendrik Treede	5
10:49-10:54	Con	Pedro Villablanca	5
10:54-11:02	<i>discussion</i>		8
	Device parade		
11:02-11:08	The M3 TMVR experience		6
11:08-11:13	<i>discussion</i>		5
11:13-11:21	Highlife recorded case	Pradeep Yadav	8
11:21-11:26	<i>discussion</i>		5
11:26-11:32	Tendyne after CE Mark: real-world experience		6
11:32-11:37	<i>discussion</i>		5
11:37-11:43	Ino valve: from first in human to EFS		6
11:43-11:48	<i>discussion</i>		5
11:48-11:56	Alta valve recorded case	Rodrigo Estevez-Loureiro	8
11:56-12:01	<i>discussion</i>		5
12:01-12:07	TrueLeaf	Amir Halkin	6
12:07-12:12	<i>discussion</i>		5
12:12-12:18	Do we have a TMVR solution for MAC?	Pedro Engel Gonzalez	6
12:18-12:23	<i>discussion</i>		5
12:23-12:29	Updates on Intrepid TMVR for mitral valve disease	Eberhard Grube	6

12:29-12:34	<i>discussion</i>		5
Time	Session	Speakers	Min
13:05-15:10	FOCUS WORKSHOP: Mitral valve disease in combination with other valve disease		125
	FACILITATORS: - Xavier Freixa		
	MODERATORS: - Martin Leon - Matthew Price		
	PANELISTS: - Chad Kliger - Mohamad Alkhouli - Alex Pui Wai Lee - Federico Asch		
13:05-13:35	Live case transmission		30
13:35-13:41	Mitral valve disease and cardiac damage: are we treating early enough?	Martin Swaans	6
13:41-13:46	<i>discussion</i>		5
	Primary mitral regurgitation and aortic stenosis		
13:46-13:49	Case presentation; What should I do?	Nicolas Van Mieghem	3
13:49-13:56	<i>discussion</i>		7
13:56-13:59	What I did	Nicolas Van Mieghem	3
13:59-14:06	<i>discussion</i>		7
	Mitral regurgitation and tricuspid regurgitation		
14:06-14:09	Case presentation; What should I do?	Philipp Lurz	3
14:09-14:16	<i>discussion</i>		7
14:16-14:19	What I did	Philipp Lurz	3
14:19-14:26	<i>discussion</i>		7
	Mitral regurgitation and tricuspid regurgitation and aortic valve disease		
14:26-14:29	Case presentation; What should I do?	Pedro Engel Gonzalez	3
14:29-14:36	<i>discussion</i>		7
14:36-14:39	What I did	Pedro Engel Gonzalez	3
14:39-14:46	<i>discussion</i>		7
	How low can you go? Mitral valve repair in patients with EF less than 20%		
14:46-14:52	Not a problem	Pedro Villablanca	6
14:52-14:58	Be careful	Patrick Gleason	6
14:58-15:10	<i>discussion</i>		12

Saturday, June 22nd

Yellow room

Time	Session	Speakers	Min
08:00-10:00	Patient selection and outcomes of svASD closure		120
	FACILITATORS: - Shakeel Qureshi		
	MODERATORS: - Ziyad Hijazi - Jenny Zablach		
	PANELISTS: - Zahid Amin - Pramod Sagar - Saleha Kabir		
08:00-08:35	Live case or pre-recorded		35
08:35-08:42	Indications for closure and diagnostic challenges	Pablo Tomé	7
08:42-08:47	<i>discussion</i>		5
08:47-08:54	At what age should children undergo interventional repair	Hojjat Mortezaeian	7
08:54-08:59	<i>discussion</i>		5
08:59-09:06	3D CT and Virtual Reality to predict suitability: simplicity vs pretty pictures?	Phuoc Duong	7
09:06-09:11	<i>discussion</i>		5
09:11-09:18	3D printing and procedure simulation	John Breinholt	7
09:18-09:23	<i>discussion</i>		5
	Debate		
09:23-09:28	Sinus venosus ASDs are still in the surgeon's domain!	University Hospital Bonn Asfour	5
09:28-09:33	Surgery is not perfect!	Mario Carminati	5
09:33-09:38	<i>discussion</i>		5
09:38-09:45	Latest follow up of the earliest cases	Hussein Abdulwahab Abdullah	7
09:45-09:50	<i>discussion</i>		5
09:50-09:55	Registry update	Eric Rosenthal	5
09:55-10:00	<i>discussion</i>		5
Time	Session	Speakers	Min
10:30-12:45	Device choice for svASD closure: design, advantages and limitations		135
	FACILITATORS: - Phuoc Duong		
	MODERATORS:		

	- Eric Rosenthal - Kevin Walsh		
	PANELISTS: - Alexander Kempny - Mohammad Ryan Abumehdi - Georg Daniel Duerr		
10:30-11:10	Live case transmission		40
11:10-11:17	10 zig CCP: always reliable	Matthew Jones	7
11:17-11:23	<i>discussion</i>		6
11:23-11:30	G-Armor: my first choice	Gareth Morgan	7
11:30-11:36	<i>discussion</i>		6
11:36-11:43	Optimus: longer is definitely better	André Jakob	7
11:43-11:49	<i>discussion</i>		6
11:49-11:56	Zephyr: less shortening is better	Pramod Sagar	7
11:56-12:03	<i>discussion</i>		7
12:03-12:10	Endurant: hooks guarantee stability	Muthukumaran Chinnasamy Sivaprakasam	7
12:10-12:17	<i>discussion</i>		7
12:17-12:24	VB stent: simpler from the neck	Worakan Promphan	7
12:24-12:31	<i>discussion</i>		7
12:31-12:38	Nano: the newest of all	Pablo Tomé	7
12:38-12:45	<i>discussion</i>		7
Time	Session	Speakers	Min
13:05-15:10	Implantation techniques for svASD closure		125
	FACILITATORS: - John Thomson		
	MODERATORS: - Kevin Walsh - Mario Carminati		
	PANELISTS: - Matthew Jones - Tin Do Nguyen		
13:05-13:45	Live case or pre-recorded		40
13:45-13:52	TEE – before, during and after the procedure	Saleha Kabir	7
13:52-13:57	<i>discussion</i>		5
13:57-14:04	How to close sinus venosus defects - step by step	Kothandam Sivakumar	7
14:04-14:09	<i>discussion</i>		5
14:09-14:16	Sandwich stent is the safest	Kevin Walsh	7
14:16-14:21	<i>discussion</i>		5
14:21-14:28	Suture holding allows accurate positioning	Raymond Haddad	7

14:28-14:33	<i>discussion</i>		5
	Debate: trans-septal pulmonary vein access is essential		
14:33-14:38	Yes		5
14:38-14:43	No		5
14:43-14:48	<i>discussion</i>		5
14:48-14:55	Echo Navigator is all that is needed		7
14:55-15:00	<i>discussion</i>		5

Saturday, June 22nd

Red room

Time	Session	Speakers	Min
08:00-10:00	SYMPOSIUM: PDA closure		120
	MODERATORS: - Worakan Promphan - Neil Wilson		
	PANELISTS: - Ming Chern Leong - Sanjeev Hanumantachrya Naganur - Atul Kalantre - Pankaj Sugaonkar		
08:00-08:25	Live case transmission		25
	Debate: best place for the procedure of PDA closure in premature babies		
08:25-08:30	Cath Lab	Alain Fraisse	5
08:30-08:35	Bedside	Shyam K. Sathanandam	5
08:35-08:42	<i>discussion</i>		7
08:42-08:49	How to prevent stenosis of left pulmonary artery and aorta	Tin Do Nguyen	7
08:49-08:54	<i>discussion</i>		5
08:54-09:01	PDA closure in infants and children: matching the device to the anatomy	Ruth Heying	7
09:01-09:06	<i>discussion</i>		5
09:06-09:13	PDA closure in adults	Hideshi Tomita	7
09:13-09:18	<i>discussion</i>		5
09:18-09:28	Complications of PDA closure	Marhisham Che Mood	10
09:28-09:33	<i>discussion</i>		5
09:33-09:40	PDAs I would not close	Nurun Nahar Fatema	7
09:40-09:45	<i>discussion</i>		5
09:45-09:52	Challenging case	Avraham Lorber	7
09:52-10:00	<i>discussion</i>		8
Time	Session	Speakers	Min
10:30-12:45	Live theatre		135
	MODERATORS: - Sameer Gafoor - Maurice Buchbinder		
Time	Session	Speakers	Min
13:05-15:10	SYMPOSIUM: Fontan circulation interventions		125

	MODERATORS: - Shakeel Qureshi - Gareth Morgan		
	PANELISTS: - Varun Aggarwal - Ender Ödemiş - Joseph Vettukattil		
13:05-13:12	Interventional cavo-pulmonary connection	Lee Benson	7
13:12-13:17	<i>discussion</i>		5
13:17-13:24	Interventional Fontan completion	Stanimir Georgiev	7
13:24-13:29	<i>discussion</i>		5
13:29-13:38	Mechanisms of failing	Anastasia Schleiger	9
13:38-13:47	<i>discussion</i>		9
13:47-13:54	LPA hypoplasia/stenosis in Fontan patients – Evaluation and treatment	Petru Liuba	7
13:54-13:59	<i>discussion</i>		5
13:59-14:06	Preventive interventions to avoid failing	Anselm Uebing	7
14:06-14:11	<i>discussion</i>		5
14:11-14:18	Interventional take-down	Nikolaus Haas	7
14:18-14:23	<i>discussion</i>		5
14:23-14:30	My worst complication during Fontan intervention	Rafael Hirsch	7
14:30-14:35	<i>discussion</i>		5
14:35-14:44	Interventions in failing fontan	Haysam Baho	9
14:44-14:50	<i>discussion</i>		6
14:50-15:00	Recorded case	Stanimir Georgiev	10
15:00-15:10	<i>discussion</i>		10

Saturday, June 22nd
Purple room

Time	Session	Speakers	Min
08:00-09:15	SYMPOSIUM: Pulmonary artery hypertension		75
	MODERATORS: - Ina Michel-Behnke - Joachim Schofer		
	PANELISTS: - Christoph Wiedenroth - Karl-Philipp Rommel - Alok Sharma		
	Chronic thromboembolic PH		
08:00-08:08	Clinical and imaging classification, and the role of medical therapy	Irene Lang	8
08:08-08:15	<i>discussion</i>		7
08:15-08:23	Technique and results of balloon angioplasty – case based from easy peasy to very difficult	Andersen Asger	8
08:23-08:30	<i>discussion</i>		7
08:30-08:38	What is the role of surgery - techniques and data	Christoph Wiedenroth	8
08:38-08:45	<i>discussion</i>		7
08:45-08:53	Pulmonary artery denervation for pulmonary arterial hypertension - devices, techniques, and data	Marat Fudim	8
08:53-09:00	<i>discussion</i>		7
09:00-09:08	Interatrial shunting	Nikolaus Haas	8
09:08-09:15	<i>discussion</i>		7
Time	Session	Speakers	Min
09:15-10:00	SYMPOSIUM: Pulmonary artery embolism		45
	FACILITATORS: - Sameer Gafoor		
	MODERATORS: - Joachim Schofer		
	PANELISTS: - Lukas Hobohm - Heba Attia - Irene Lang		
09:15-09:23	Pulmonary embolism - why is this important to cardiologists?	Issam Moussa	8
09:23-09:30	<i>discussion</i>		7
09:30-09:38	Who are the candidates for catheter based pulmonary embolectomy?	Lukas Hobohm	8
09:38-09:45	<i>discussion</i>		7
09:45-09:53	Device parade for catheter-based treatment of pulmonary embolism	Andersen	8

		Asger	
09:53-10:00	<i>discussion</i>		7
Time	Session	Speakers	Min
10:30-12:45	SYMPOSIUM: Fetal interventions - case based		135
	FACILITATORS: - Shakeel Qureshi		
	MODERATORS: - Carlos Pedra - Gerald Tulzer		
	PANELISTS: - Damien Bonnet - Joanna Szymkiewicz-Dangel - Niels Vejstrup		
10:30-10:38	Fetal cardiac interventions: how to define a successful intervention	Carlos Pedra	8
10:38-10:45	<i>discussion</i>		7
	Case examples: fetal aortic valvuloplasty		
10:45-10:52	The Paris case: 20-22 weeks gestation with impaired LV	Damien Bonnet	7
10:52-10:58	<i>discussion</i>		6
10:58-11:05	The Toronto case: 26-28 weeks gestation with evolving HLH	Lindsay Freud	7
11:05-11:11	<i>discussion</i>		6
11:11-11:18	The Linz case: 30-32 weeks gestation with hydrops	Andreas Tulzer	7
11:18-11:24	<i>discussion</i>		6
11:24-11:31	The Madrid case: complications: complication(s)		7
11:31-11:37	<i>discussion</i>		6
11:37-11:45	Stenting the atrial septum in the fetus: old and new indications	Adam Kolesnik	8
11:45-11:52	<i>discussion</i>		7
11:52-12:00	Pre and post interventional management – the Swiss experience		8
12:00-12:07	<i>discussion</i>		7
12:07-12:17	Recorded case	Andreas Tulzer	10
12:17-12:27	<i>discussion</i>		10
Time	Session	Speakers	Min
13:05-15:10	Research den		125

Saturday, June 22nd

Pink room

Time	Session	Speakers	Min
08:00-08:30	FOCUS WORKSHOP: Acute stroke: update		30
Time	Session	Speakers	Min
08:30-09:30	FOCUS WORKSHOP: Acute stroke: devices		60
Time	Session	Speakers	Min
09:30-10:00	FOCUS WORKSHOP: Acute stroke: patient management, case examples, complications		30
Time	Session	Speakers	Min
10:30-11:50	FOCUS WORKSHOP: Acute stroke: patient management, case examples, complications		80
Time	Session	Speakers	Min
11:50-12:45	FOCUS WORKSHOP: Acute stroke: step by step intervention with simulator		55
Time	Session	Speakers	Min
13:05-14:10	FOCUS WORKSHOP: Acute stroke: current state of the art		65
Time	Session	Speakers	Min
14:25-16:25	FOCUS WORKSHOP: KNOWLEDGE TEST		120