 **Wednesday 16 September 08:00 - 10:10**  
Main lecture hall (Harmonie)

## WHAT'S NEW IN IMAGING

Moderators / Shakeel A. Qureshi / Martin Swaans  
Panelists / Dee Dee Wang / Ole de Backer / Alison Duncan / Tarique Hussain / Kevin Stiver

Live case transmission

Clinical applications and value of holography

Dielectric imaging

/ Shlomo Ben-Haim

4D ICE

/ Kevin Stiver

First prospective experience using computational simulation in LAO preoperative planning

/ Adel Aminian

Virtual reality – is it real?

/ John Simpson

When machine teaches human: AI and structural interventions



**Wednesday 16 September 10:10 - 10:40**  
Industry exhibition

## COFFEE BREAK



**Wednesday 16 September 10:40 - 11:40**  
Spektrum

## TECHNIQUES FOR NEONATAL INTERVENTIONS

Moderators / Ina Michel-Behnke / Mazeni Alwi  
Panelists / Caroline Ovaert / Arvind Singh / Carrie Herbert / Ravindra Pawar

Vascular access – core techniques and avoiding complications

/ Ina Michel-Behnke

Vascular access – advanced techniques (transseptal, transhepatic, hybrid) and avoiding complications

/ Grazyna Brzezinska

Balloon atrial septostomy-alternative approaches now the Miller balloon has been withdrawn

/ Caroline Ovaert

Pulmonary valvoplasty – getting it right first time, tips and tricks

/ Supaporn Roymanee

Complex pulmonary artery stenosis in the neonate – decision making and approach



**Wednesday 16 September 10:40 - 12:55**  
Congress theatre

## LIVE THEATRE

Live case transmissions



**Wednesday 16 September 10:40 - 12:55**  
Main lecture hall (Harmonie)

## IMAGING FOR PARAVALVAR LEAK CLOSURE

Moderators / Bushra Rana  
Panelists / Danny Dvir / Manish Motwani / Saleha Kabir / Ariel Finkelstein / Rafael Hirsch

Live case transmission

Aetiology and treatment options: surgical versus transcatheter

/ Ariel Finkelstein

Aortic PVL closure TEE assessment step by step

/ Dee Dee Wang

Mitral PVL closure TEE assessment step by step

/ Bushra Rana

Added value of CT imaging

Fluoroscopy and angiography key views and landmarks

/ Mark Spence

Follow up assessment: How, when, what to assess

/ Nilesh Sutaria

Balloon sizing

/ Kolja Sievert



**Wednesday 16 September 10:40 - 12:55**  
Illusion 2+3

## DDW



**Wednesday 16 September 10:40 - 12:55**  
Poster area 3

## CSI EXPERTS CORNER: CREATING INTERATRIAL SHUNTS

Creating interatrial shunts

/ Nikolaus A. Haas



**Wednesday 16 September 10:40 - 12:55**  
Poster area 1

## CATH LAB CAFE: LAA

Case 1

/ Lucie Kretzler

Case 2

/ Francisco Chamie

Case 3

/ Henning Ebelt

Case 4

/ Takashi Matsumoto

Case 5

/ Jacqueline Saw

Case 6

/ Alexander Sedaghat

Case 7

/ Klaus Tiemann

## ACCESS TECHNIQUES FOR TAVI: DATA AND PROCEDURAL ESSENTIALS

Moderators / Antonio Colombo / Mao Chen  
Panelists / Holger Thiele / Amar Krishnaswamy / Usman Jaffer / Kirsten Tolstrup / Rodney De Palma

Live case transmissions

Surgical cut-down of axillary/subclavian artery

/ Usman Jaffer

Transcarotid access

/ Thomas Modine

Fully percutaneous transaxillary access

/ Antonio Colombo

Transcaval access

/ Adam Greenbaum

Shockwave to facilitate femoral access

/ Carlo Di Mario

Large bore access closure device

/ Mika Laine

## HIGH RISK NEONATAL INTERVENTIONS

Moderators / Gareth Morgan / John Thomson / John P. Breinholt  
Panelists / Graham Derrick / Hamish Walker / Damien Kenny

An institutional approach to high risk interventions in infants less than 2 kgs

/ Damien Kenny

Early post-operative interventions in neonates - how early is safe?

/ Evan Zahn

Quality initiatives around high-risk interventions in neonates - which ones actually help?

Do hybrid approaches in smaller infants reduce risk?

/ Shakeel A. Qureshi

Interventionalist know thyself - understanding decision making in high risk interventions

/ Colin McMahon

Increasing complexity, morbidity and death. Are we psychologically prepared?

/ Gareth Morgan

## LUNCH

## TECHNIQUES FOR PARAVALVAR LEAK CLOSURE

Moderators / Allison Cabalka / Sameer Gafoor  
Panelists / Francois Godart

Live case transmissions

Tips and Tricks for crossing the defect

/ Patrick Calvert

Tips and Tricks for choosing the right sheath

/ Ignacio Cruz-Gonzalez

Tips and Tricks for choosing the right device

/ Philip MacCarthy

My approach to mitral PVL closure step by step using the antegrade approach

/ David Hildick-Smith

My approach to mitral PVL closure step by step using the retrograde transaortic approach

/ Ender Odemis

My approach to mitral PVL closure step by step using the transapical approach

/ Kothandam Sivakumar

Debate: Transapical vs transfemoral approach: Don't waste your time ding TS/TF cases - go TA every time

/ Iqbal Malik

Debate: Transapical vs transfemoral approach: TA is the last resort - easy for the doctor, hard for the patient

/ Rafael Hirsch

Techniques for placing multiple devices

/ Rafael Hirsch

Complications during aortic PVL closure

/ Allison Cabalka

Challenges of leaflet perforation closure

/ Iqbal Malik

## TAVI: BICUSPID AORTIC VALVE

Moderators / Tsuyoshi Kaneko / Mao Chen  
Panelists / Guilherme Attizzani / Dee Dee Wang / Jaffar Khan / Eberhard Grube

Live case transmission

Pathology, classifications, prevalence and imaging

/ Dee Dee Wang

Bicuspid valves: where do we stand (data)?

/ Tsuyoshi Kaneko

Case example of bicuspid aortic valve (Sievers I):

/ Iqbal Malik

This is how I would treat (Evolut)

/ Guilherme Attizzani

This is how I would treat (Sapien)

/ Jaffar Khan

This is how I would treat (Lotus)


/ Rajesh Kharbanda

This is how I would treat (Venus)

/ Mao Chen

Case based expert discussion

Panel discussion: importance or weakness of supra-annular sizing strategy for bicuspid aortic valve stenosis

 Wednesday 16 September 13:10 - 15:42  
Spektrum

## NEONATAL PALLIATION

Moderators / John Thomson / Hans Breur  
Panelists / Amal El-Sisi / Caner Salih

Live case transmission

Anatomic considerations with reference to RVOT stenting

/ Adam Kolesnik

RVOT stenting techniques and equipment

/ John Thomson

The 5 most important things I've learnt stenting the RVOT

/ Kevin Walsh

Relative risks of neonatal palliation - how "equal" are the options?

/ James Bentham

Anaesthesia - working together to make neonatal palliation as safe as possible

If there is a choice which is better - a duct or an RVOT stent?

/ Giuseppe Santoro

The surgical view: I prefer an RVOT stent

/ Osama Jaber

The surgical view: I don't want an RVOT stent

/ Caner Salih

So is that it - have interventional cardiologists solved neonatal palliation?

/ James Bentham

 Wednesday 16 September 13:10 - 15:40  
Illusion 1

## H.O.W.

 Wednesday 16 September 13:10 - 15:40  
Congress theatre

## HEMODYNAMICS FOR INTERVENTIONISTS

Moderators / Gareth Morgan / Paul Sorajja  
Panelists / Luke Howard / Radwa Bedair / Hubert Seggewiss

Aortic stenosis- invasive assessment and echo

/ Iqbal Malik

Mitral stenosis - what is a good result hemodynamically

/ Ata Firouzi

Constriction or Restriction

Heart Failure - is a cath needed?

ASD-the edge of the envelope in older age

/ Bharat Dalvi

Pulmonary HT- what is needed in a RHC

/ Luke Howard

Coarctation assessment

/ Gareth Morgan

Hypertrophic (obstructive) Cardiomyopathy

Congenital ASD vs Iatrogenic IASD for HF: size matters

/ Stephan Rosenkranz

AFR studies

/ Nikolaus A. Haas

 Wednesday 16 September 13:10 - 15:40  
Illusion 2+3

## DDW

 Wednesday 16 September 13:10 - 15:40  
E1

## CSI HANDS-ON ECHO TRAINING - MITRAL VALVE

Moderators / Martin Swaans / Bushra Rana / Christoph Hammerstingl  
Trainers / Karen McCarthy

 Wednesday 16 September 13:10 - 15:40  
Poster area 3

## CSI EXPERTS CORNER: SINUS VENOSUS ASDS

Sinus venosus ASDs

/ Eric Rosenthal

 Wednesday 16 September 13:10 - 15:40  
Poster area 1

## CATH LAB CAFE: PULMONARY VALVE

Case 1

/ Heiko Schneider

Case 2

/ Christopher Rush

Case 3

/ Alaa Mahmoud Roushdy

Case 4

/ Tomohito Kogure

Case 5

/ Ajay Mahajan

Case 6

/ Manish Chokhandre

Case 7

/ Felix Kleinerüschkamp

Case 8

/ Daniel McLennan

Case 9



/ Ravindra Pawar

Case 10

/ Arvind Singh

 Wednesday 16 September 15:40 - 16:10  
Industry exhibition

## COFFEE BREAK

  Wednesday 16 September 16:10 - 18:30  
Fantasie

## TAVI: VALVE AND ANCILLARY DEVICE UPDATES

Moderators / Iqbal Malik / Hans-Reiner Figulla  
Panelists / Holger Thiele / Ariel Finkelstein / Wael Ghabra / Norman Mangner

Live case transmission

Technology update: What is new in surgical aortic valves and techniques?

/ Gry Dahle

Technology update: Boston: Accurate Neo

Technology update: Abbott: Portico

/ Federico De Marco

Technology update: Boston: Lotus

/ Rajesh Kharbada

Technology update: Medtronic: Evolut Pro

Technology update: HLT

Technology update: VenusA plus

Technology update: Jena

Technology update: Meril: Myvalve

/ Rajasekhar Varada



Technology update: Optimum

/ Mano Thubrikar

Technology update: Re-shaping

/ Mao Chen

Technology update: New concepts

  Wednesday 16 September 16:10 - 18:30  
Main lecture hall (Harmonie)

## PARAVALVAR LEAK CLOSURE EXPERIENCE

Moderators / John Carroll  
Panelists / Felix Woitek / Hidehiko Hara / Wojciech Wojakowski

Live case transmissions

Midterm outcomes using Occlutech device

/ Eustaquio Maria Onorato

New Balton PVL closure device

/ Wojciech Wojakowski

Abbott Amplatzer vascular plug devices

/ Ignacio Cruz-Gonzalez

A case of pulmonary PVL closure



/ Francois Godart

A case of tricuspid PVL closure

/ Alain Fraisse

Paravalvar leak closure after TAVR

Paravalvar leak closure after TMVR

  Wednesday 16 September 16:10 - 18:30  
Congress theatre

## LIVE THEATRE

Live case transmissions



 Wednesday 16 September 16:10 - 18:30  
Illusion 2+3

## DDW

 Wednesday 16 September 16:10 - 18:30  
E1

## CSI HANDS-ON ECHO TRAINING - LAA/ASD/PFO

Panelists / Dee Dee Wang  
Moderators / Martin Swaans / Christoph Hammerstingl / Bushra Rana  
Trainers / Karen McCarthy

  Wednesday 16 September 16:10 - 18:30  
Spektrum

## CHALLENGING NEONATAL INTERVENTIONS

Moderators / John Thomson / Mazeni Alwi  
Panelists / Jenny Zablah / Regina Bokenkamp / Supaporn Roymanee

Live case transmission

2.9 Kg infant with critical aortic valve stenosis and unicuspid aortic valve

/ Jenny Zablah

2.1 kg infant with pulmonary atresia and intact ventricular septum

/ Supaporn Roymanee

1.5 kg symptomatic infant with 5mm PDA

/ Alain Fraisse

3.9 kg symptomatic post-arterial switch with moderate-sized low muscular VSD

/ Kevin Walsh

3 kgs Infant with HLHS and Intact IAS

/ Dietmar Schranz

2.5 kg infant with symptomatic Tetralogy of Fallot and small serpiginous PDA

/ Ina Michel-Behnke

 Wednesday 16 September 16:10 - 18:30  
Poster area 1

## CATH LAB CAFE: MITRAL VALVE

Case 1

/ Felix Kreidel

Case 2

/ Atsushi Sugiura

Case 3

/ Osama Rifaie

Case 4

/ Rochus Voeller

Case 5

/ Amr Mansour

Case 6

/ Giuseppe Tarantini

## CASPIAN @ CSI 2020 - THE NEW HORIZON OF INTERVENTION: PUSHING THE BOUNDARIES

Moderators / Shakeel A. Qureshi / Feridoun Noohi  
Panelists / Mahmoud Shabestari / Behzad Alizadeh

Closing Multiple ASDs, Pushing the boundaries  
/ Bharat Dalvi

Closing multiple VSDs . Pushing the boundaries  
/ Behzad Alizadeh

Left Arch, Right ductal Stenting: The Good, The Bad and the Ugly!  
/ Keyhan Sayadpour Zanjani

Device closure of Pulmonary Arteriovenous malformations; techniques and Outcome  
/ Hamid Amoozgar

PFO closure using ASD occluders, when and why?  
/ akbar molaei

Pushing the boundaries in ASD closure but when to stop!  
/ Zahid Amin

Absent Pulmonary Artery in Tetralogy of Fallot; Finding and Rehabilitation the missing artery  
/ Mohammad Reza Edraki

Hybrid PPVI, concepts and technique!  
/ Worakan Promphan


Tricuspid Valve in Valve . New Experiences from Iran  
/ Ali Mohammad Haji Zeynali

Coronary Fistulas, device closure, Different Anatomy, Different techniques  
/ Ata Firouzi

CTO in Congenital Heart disease, Pushing the boundaries  
/ Hojjat Mortezaeian Langeroudi

When the story begins in Afghanistan, New experiences in PDA and ASD closure  
/ Ahmad Jamshid Rezaei

AFR insertion in cyanotic complex congenital heart disease, Pushing the boundaries  
/ Zahra Khajali

  Thursday 17 September 08:00 - 10:01  
Main lecture hall (Harmonie)

## WHAT'S NEW

Moderators / Shakeel A. Qureshi / Sameer Gafoor  
Panelists / Federico De Marco / Thorsten Hanke / Gry Dahle

Live case transmission

Venock vascular closure device  
/ Horst Sievert

Papillary muscle approximation  
/ Horst Sievert

New AtriCure concepts for LAA closure  
/ Thorsten Hanke

Shak Qureshi forgot what Mokita means  
/ Horst Sievert

Artificial intelligence in transcatheter treatment  
/ Gry Dahle

More experience with transcatheter removal of cardiac tumors  
/ Krzysztof Kaczmarek

Unique coronary guidewire for FFR  
/ Reda Ibrahim

NeoChord TC system

 Thursday 17 September 10:00 - 10:30  
Industry exhibition

## COFFEE

  Thursday 17 September 10:30 - 12:10  
Illusion 2+3

## THE EVOLUTION OF DEVICE BASED HEART FAILURE INTERVENTIONS

Moderators / Howard Levin  
Panelists / Marat Fudim / Philip Adamson / Kenneth Stein / Stanton Rowe

Live case transmission

"Best medical therapy" in heart failure: Achievements and limitations  
/ Piotr Ponikowski

You could not attend the "Devices in Heart Failure" conference (D-HF)? Here is what you have missed  
/ Marat Fudim

Industry perspective: Our vision

 Thursday 17 September 10:30 - 11:24  
Fantasie

## TAVI CASE CHALLENGES

Moderators / Lars Sondergaard / Hasan Jilaihawi  
Panelists / Georg Nickenig / Nalan Schnelle / Jan Kovac / Livia Gheorghe / Jan- Malte Sinning

Problem 1: Moderate aortic stenosis with poor LV function  
/ Philip MacCarthy

Discussion

My solution

/ Philip MacCarthy

Problem 2: Degenerated bioprosthesis with low coronary height

/ Iqbal Malik

Discussion

My solution

/ Iqbal Malik

Problem 3: new bundle branch block after TAVI

/ Hasan Jilaihawi

Discussion

My solution

/ Hasan Jilaihawi

 Thursday 17 September 10:30 - 13:00  
Spektrum

## LAA HOT TOPICS, CONTROVERSIES, TRIAL UPDATES

Moderators / Martin Bergmann / Marcus Sandri  
Panelists / Simon Lam / Francisco Chamie / Dee Dee Wang

Current recommendations and guidelines in the US and EU: same data, same evidence – different conclusions?

/ Stefan Bertog

Results of the LISA study

/ Marcus Sandri

PRAGUE-17 is a positive study

/ Vivek Reddy

PRAGUE-17: Sorry, but it confirms again that LAA closure is experimental

/ Stefan Bertog

These are the trials we urgently need – or don't need

/ David Hildick-Smith

These are the trials you will get – planned or ongoing trials

/ Simon Lam

Antithrombotic strategy post LAA closure – recommendations according to the best available evidence

/ Martin Bergmann

Stroke after LAA closure – mechanisms and management

/ Dee Dee Wang

Challenges in setting up a LAA closure program from zero

/ Simon Lam

LAA closure combined with other procedures – when does it make sense, and when nonsense?

/ Alessio Gasperetti

Should we consider LAA closure in valvular atrial fibrillation or as hybrid therapy in conjunction with NOAC in selected patients?

/ Apostolos Tzikas

LAA closure in patients with LAA clot

/ Jaroslaw Kasprzak

Residual leaks after LAA closure do not matter

/ Jacqueline Saw

Residual leaks after LAA closure should and can be closed

/ Saibal Kar

 Thursday 17 September 10:30 - 11:30  
Main lecture hall (Harmonie)

## IMAGING FOR PULMONARY VALVE

Panelists / Petru Liuba / Kuberan Pushparajah / Darren Berman / Behzad Alizadeh / Supaporn Roymanee  
Moderators / Gurleen Sharland

Morphology of pulmonary valves

/ Adam Kolesnik

Prenatal diagnosis

/ Gurleen Sharland

Postnatal echo assessment

/ Saleha Kabir

Role of MRI/CT in follow up assessment

/ Phuoc Duong

Cardiac catheter assessment in helping management

/ Petru Liuba

 Thursday 17 September 10:30 - 13:00  
Illusion 1

## H.O.W. - SUPPORTED BY OCCLUTECH

 Thursday 17 September 10:30 - 13:00  
Congress theatre

## FROM NEWBORN TO ADULT - CORONARY FISTULAS

Moderators / Horst Sievert / Andreas Eicken / Kevin Walsh  
Panelists / Kothandam Sivakumar / Damien Kenny

Live case transmission

Devices for catheter closure of coronary fistula

/ Mario Carminati

Catheter closure in children (taped case)

/ Tin Do Nguyen

Catheter closure in adults (taped case)

/ Horst Sievert

Acute complications after embolization

/ Bharat Dalvi

Cases still requiring surgery

/ Alain Fraisse

Complications: how to prevent, how to solve when occurred

/ Joseph DeGiovanni

Long term follow up after catheter closure

/ Srinath Gowda

 Thursday 17 September 10:30 - 12:30  
E1

## CSI HANDS-ON ECHO TRAINING - MITRAL VALVE

Trainers / Karen McCarthy  
Moderators / Martin Swaans / Christoph Hammerstingl / Bushra Rana

 Thursday 17 September 10:30 - 13:00  
Poster area 3

## CSI EXPERTS CORNER: VSD CLOSURE

 Thursday 17 September 10:30 - 13:00  
Poster area 1

## CATH LAB CAFE: PULMONARY VALVE

### Case 1

/ David Northridge

### Case 2

/ Miles Behan

### Case 3

### Case 4

/ Beneduce Alessandro

### Case 5

/ Chad Kliger

### Case 6


/ Manish Motwani

### Case 7

/ Felix Woitek

### Case 8

/ Carmen Moldovan

 Thursday 17 September 11:25 - 13:00  
Fantasie

## EMBOLIC PROTECTION

Panelists / Nils Petri / Stephan Haussig / Massimo Napodano / Abhijeet Dhoble  
Moderators / Nikos Werner / Antonio Colombo

Live case transmission

Anticoagulation/antiaggregation before, during and after

Who should get embolic protection device

/ Tsuyoshi Kaneko

Embolic protection devices: The Captis solution

/ Giora Weisz

Embolic protection devices: Sentinel

Embolic protection devices: TriGuard

 Thursday 17 September 11:30 - 13:00  
Main lecture hall (Harmonie)

## PULMONARY VALVE STENOSIS, PULMONARY ATRESIA WITH INTACT VENTRICULAR SEPTUM

Moderators / Hasri Samion / Gareth Morgan / John Thomson  
Panelists / Stephan Schubert / Martin Schneider / Felix Haas

Critical PVS - management

/ Kuberan Pushparajah

Treating syndromic dysplastic pulmonary valves

/ Martin Schneider

Management algorithm for PA/IVS

/ Hasri Samion

Technique of perforation in PA/IVS

/ Martin Schneider

When should PDA stenting be performed simultaneously in PA/IVS

/ Jou-Kou Wang

Long-term prospects for 2-ventricle circulation

/ Gareth Morgan

Do surgeons do a better job with PA/IVS

/ Felix Haas

 Thursday 17 September 12:10 - 13:00  
Illusion 2+3

## INTERVENTIONAL TECHNIQUES FOR TELEMONITORING

Moderators / Carlo Di Mario / Piotr Ponikowski / Dietmar Schranz  
Panelists / Avraham Lorber / Miroslava Stolcova / Domenico D'Amario

Why to measure pressures and/or cardiac output in heart failure patients using telemedicine?

/ Piotr Ponikowski

CardioMems

/ Philip Adamson

Vectorius

/ Domenico D'Amario

HeartLogic

/ Kenneth Stein

We do not need all this

/ Avraham Lorber

 Thursday 17 September 13:00 - 13:15  
Industry exhibition

## LUNCH

 Thursday 17 September 13:15 - 15:35  
Congress theatre

## SINUS VENOSUS ASDS

Moderators / Joseph Vettukattil / Shakeel A. Qureshi

Live case transmission

Morphology

/ Adam Kolesnik

CT/MRI imaging

/ Phuoc Duong

Surgical techniques for repair

/ Felix Haas

Catheter repair

/ Shakeel A. Qureshi

TOE guidance during catheter repair



/ Saleha Kabir

Results of catheter repair

/ Jan Hinnerk Hansen

New concept for a device for sinus venosus ASD closure

/ Joseph Vettukattil

  Thursday 17 September 13:15 - 15:37  
Main lecture hall (Harmonie)

## PULMONARY VALVE IMPLANTATION

Moderators / Ziyad M. Hijazi / Mario Carminati

Panelists / Michael Angtuaco / Matthew Gillespie / Worakan Promphan / Teiji Akagi

Live case transmission

Timing of PPVI

/ Marc Gewillig

Available valves for PPVI

/ Darren Berman

Long term outcome of Melody valves

/ Mario Carminati

Harmony valve update

/ Matthew Gillespie

Outcomes of Sapien valve implants

/ Andreas Eicken

Alterra valve update

/ Shabana Shahanavaz

Results of Venus P-valve implantation



/ Ziyad M. Hijazi

Pulsta valve update

/ Gi Beom Kim

Is endocarditis an issue with all PPVI

/ Ruth Heying

  Thursday 17 September 13:15 - 15:35  
Spektrum

## PROCEDURAL PLANNING AND IMAGING BEFORE AND DURING LAA

Moderators / Apostolos Tzikas

Panelists / Ole de Backer / Adel Aminian / Henning Ebel / Kasper Korsholm

Live case transmission

What can we learn from post-mortem studies?

/ Mark Reisman

My most unexpected findings during my LAA closure TEE screening

/ Bushra Rana

ICE for procedural guidance - how to do it and case examples

/ Anish Amin

The most awful pictures on surveillance TEE after LAA closure - thrombus, migration, vegetation and others

/ Mohamad Alkhouli

How advance imaging techniques change my way doing LAA closure



/ Sergio Berti

3D model printing to guide LAA closure for routine practice

/ Dee Dee Wang

Dielectric imaging for LAA closure

/ Karl-Heinz Kuck

  Thursday 17 September 13:15 - 15:35  
Fantasie

## LATEST DATA AND IMPLICATIONS FOR TAVI PRACTICE

Panelists / Danny Dvir / Hendrik Ruge / Chad Kliger / Eberhard Grube

Moderators / Axel Linke / Ganesh Manoharan

Live case transmission

Let us chew on.... PARTNER III (including the fine print)

/ Raj Makkar

Let us chew on.... Evolut low risk (including the fine print)

/ John Carroll

Let us chew on.... REPRISE (including the fine print)

/ Axel Linke

Valve-in-valve TAVR: data update

/ Danny Dvir

Debate: TAVI: first choice for all patients with symptomatic aortic stenosis over age 55? As a surgeon, it is a strong Yes from me

/ Hendrik Ruge

Debate: TAVI: first choice for all patients with symptomatic aortic stenosis over age 55? As a cardiologist: No, not so fast!

/ Eberhard Grube

Debate: Do we need pre-TAVR cardiac cath? Yes

/ John Carroll

Debate: Do we need pre-TAVR cardiac cath? No

/ Andrew Choi

 Thursday 17 September 13:15 - 15:35  
Illusion 2+3

## HEART FAILURE INTERVENTIONS: DECOMPRESSION OF THE RIGHT OR LEFT ATRIUM

Moderators / Dietmar Schranz

Panelists / Ghada Mikhail / Teoman Kilic

Which patients in diastolic and systolic left heart failure could benefit from interatrial shunting?

/ Piotr Ponikowski

How to select patients with pulmonary hypertension for inter-atrial shunting

/ Nikolaus A. Haas

Percutaneous HF treatment: cases out-of the box

/ Dietmar Schranz

Corvia

/ Ralf Westenfeld

V-Wave

/ Burkert Pieske

AFR

/ Kothandam Sivakumar

Noya

/ Chaim S. Lotan

Intershunt

/ Horst Sievert

Left atrial to coronary sinus shunt

/ Jacqueline Saw




 **Thursday 17 September 13:15 - 15:35**  
Poster area 3

## CSI EXPERTS CORNER: PFO

**PFO**  
/ Iqbal Malik

 **Thursday 17 September 13:15 - 15:35**  
Poster area 2

## CATH LAB CAFE: NON-CARDIAC CATH CASE

 **Thursday 17 September 13:15 - 15:35**  
Poster area 1

## CATH LAB CAFE: NEONATAL INTERVENTIONS

**Case 1**  
/ Avinash Anantharaj

**Case 2**  
/ Valts Ozolins

**Case 3**

**Case 4**  
/ Ines Hribernik

 **Thursday 17 September 15:35 - 16:05**  
Industry exhibition

## COFFEE

 **Thursday 17 September 16:05 - 18:30**  
Congress theatre

## LIVE THEATRE

Live transmission from Copenhagen, Denmark  
/ Lars Sondergaard

Live transmission from Munich, Germany  
/ Nikolaus A. Haas

Live transmission from CardioVascular Center Frankfurt CVC, Germany  
/ Horst Sievert

 **Thursday 17 September 16:05 - 17:25**  
Main lecture hall (Harmonie)

## INTERVENTIONS AND SUPPORT IN THE CRITICALLY ILL CHILD

Moderators / Zahid Amin / Bharat Dalvi  
Panelists / Carrie Herbert / Brian McCrossan / Salim Jivanji / Sonia El Saiedi

Stenting RVOT in newborn Tetralogy (taped case)  
/ Worakan Promphan

RF perforation in pulmonary atresia intact VS (taped case)  
/ Sonia El Saiedi

Stenting PDA in pulmonary atresia + VSD (taped case)  
/ Worakan Promphan

Stenting PDA in HLHS (taped case)  
/ Dietmar Schranz

Emergency procedures in pts in ECMO (taped case)  
/ Ina Michel-Behnke

VSD closure in pts < 1 year (taped case)  
/ Kevin Walsh

 **Thursday 17 September 16:05 - 17:55**  
Illusion 2+3

## HEART FAILURE: TARGETING THE LEFT VENTRICLE

Panelists / Ellen Ostenfeld / Jan Solem / Gry Dahle / Hubert Seggewiss  
Moderators / Jennifer Franke

Improved outcome with Revivent  
/ Martin Swaans

Percutaneous heart failure treatment via direct left ventricular repair, AccuCinch clinical update  
/ Jozef Bartunek

Annuloplasty with Carillon but not mitral valve edge-to-edge repair results in positive remodeling of the left ventricle  
/ Steven Goldberg

Syntach- Better understanding of LV dysfunction leads to a better treatment concept  
/ Jan Solem

Papillary muscle – a new concept to treat heart failure.  
/ Horst Sievert

The Liwen procedure – a new approach to treat hypertrophic cardiomyopathy  
/ Liwen Liu

Epicardial treatment for heart failure - The Mitral Touch  
/ Isaac George

PulseCath

Functional MR in HFrEF: potential role and efficacy of the Ventouch remodeling system  
/ Maurice Sarano

 Thursday 17 September 16:05 - 18:30  
Fantasie

## FROM NEWBORN TO ADULT - AORTIC STENOSIS

Moderators / Andreas Eicken / Vaikom Mahadevan  
Panelists / Osama Jaber / Jose G. Diez / Jan- Malte Sinning / James Bentham

Congenital aortic stenosis–valve morphology and variability

/ Karen McCarthy

Can we predict which valves will respond to balloon valvoplasty?

My approach to ballooning critical aortic stenosis in the neonate–how I select the correct patients

/ Andreas Eicken

What constitutes success?: Neonatal balloon valvoplasty

/ James Bentham

Neonatal AS: If an initial balloon fails, what then?

/ Damien Kenny

The 5 most important things I've learned in a career treating neonatal AS

/ Shakeel A. Qureshi

Surgical options in neonates and infants

/ Osama Jaber

Childhood AS (beyond infancy): timing of balloon valvoplasty

/ Kevin Walsh

What constitutes success? Childhood aortic valvoplasty

/ Graham Derrick

The young adult with aortic stenosis–when is a balloon the best approach?

/ Kate English

Techniques for getting the best result in adults

/ Mark Turner

Evolving surgical options in the adult

/ Boulos Asfour

TAVI: will this eventually become standard of care in all adults?

/ Michael Mullen

 Thursday 17 September 16:05 - 18:30  
Spektrum

## DESIGN AND SPECIFIC TECHNICAL ADVANTAGES AND LIMITATIONS OF LAA DEVICES

Moderators / Ulf Landmesser / Apostolos Tzikas  
Panelists / Sam Dawkins / Marek Grygier / Alexander Sedaghat / Dabit Arzamendi Aizpurua

Live case transmission

Device presentations: Watchman FLX

Device presentations: Amulet

Device presentations: WaveCrest

Device presentations: Occlutech

Device presentations: LAmbre

/ Norbert Klein

Device presentations: SeaLA

Device presentations: Aurigen

Device presentations: The Conformal LAA Seal (CLAAS) – a novel foam-based, conforming left atrial appendage closure device

/ Sam Dawkins

Device presentations: Endomatic

Device presentations: OMEGA

Device presentations: Lariat

Discussion and device parade – hands on

 Thursday 17 September 16:05 - 18:30  
Poster area 3

## CSI EXPERTS CORNER: RVOT STENTING

RVOT stenting

/ Martin Schneider

 Thursday 17 September 16:05 - 18:30  
Poster area 1

## CATH LAB CAFE: MITRAL VALVE

Case 1

/ Konstantinos Papadopoulos

Case 2

Case 3

/ Anne Scott

Case 4

/ Neil Ruparelia

Case 5

/ Yoshifumi Nakajima

Case 6

/ Takehiro Nomura

 Thursday 17 September 16:30 - 18:30  
E1

## CSI HANDS-ON ECHO TRAINING - TRICUSPID VALVE

Moderators / Martin Swaans / Christoph Hammerstingl / Bushra Rana

Panelists / Dee Dee Wang

Trainers / Karen McCarthy

 Thursday 17 September 17:25 - 18:30  
Main lecture hall (Harmonie)

## FISHING: DEVICE RETRIEVAL

Panelists / Demetris Taliotis / Worakan Promphan / Mohamad Alkhouli / Joseph DeGiovanni

Moderators / Bharat Dalvi

Getting the basics right–the ABC of managing an embolisation

/ Satoshi Yasukochi

Retrieval equipment 1: Snares – what's out there and how to use them

/ Bharat Dalvi

Retrieval equipment 2: Other retrieval devices – what else is out there?

/ Kothandam Sivakumar

Techniques for retrieval of difficult or unusual devices

/ Jae Young Choi

Case based examples – could I have done different or better?

/ Demetris Taliotis

 Thursday 17 September 17:55 - 18:30  
Illusion 2+3

## HEART FAILURE: NEUROMODULATION

Moderators / Howard Levin / Piotr Ponikowski

Barostimulation

/ Markus Reinartz

Renal denervation

/ Christian Ukena

Greater Splanchnic Nerve Ablation

/ Howard Levin

 Friday 18 September 08:00 - 09:30  
Main lecture hall (Harmonie)

## CONGRESS WELCOME

Moderators / Shakeel A. Qureshi

Panelists / Endale Tefera / Eberhard Grube


Live case transmission

Welcome

/ Shakeel A. Qureshi

Kurt Amplatz tribute

/ Zahid Amin

 Friday 18 September 09:30 - 10:00  
Main lecture hall (Harmonie)

## CSI INTERVIEW

Moderators / Shakeel A. Qureshi

Panelists / Eberhard Grube

Interview with Alain Cribier


/ Alain Cribier

 Friday 18 September 10:00 - 10:30  
Main lecture hall (Harmonie)

## HELPING THE WORLD'S HEARTS

 Friday 18 September 10:30 - 11:00  
Industry exhibition

## COFFEE

 Friday 18 September 11:00 - 12:40  
Illusion 1

## TRAINING HUB - MATERIALISE (LAA)

 Friday 18 September 11:00 - 13:20  
Spektrum

## PFO MORPHOLOGY AND IMAGING

Moderators / Sameer Gafoor / Antigoni Deri / John Carroll

Panelists / Lucy Eun

The anatomy of the PFO: How common is a PFO really?

/ Michael Joner

The anatomy of the PFO: Anatomical risk factors for stroke: Eustachian valve, floppy septum, size, aneurysm without PFO

/ Mark Turner

The anatomy of the PFO: Why and how to do transcranial doppler (TCD)

/ Eustaquio Maria Onorato

The anatomy of the PFO: How to evaluate the PFO using TEE – case based

/ Bushra Rana

The anatomy of the PFO: ICE to guide PFO closure

/ Lars Sondergaard

The anatomy of the PFO: Angiography and balloon interrogation to guide PFO closure

/ Kolja Sievert

TEE after PFO closure: This is what you should look for

/ Martin Swaans

TEE after PFO closure: Interesting! But that does not justify routine FU TEE

/ David Hildick-Smith

Is there still a need for a “long tunnel” device?

/ Eustaquio Maria Onorato

Do larger devices have more residual shunt and why?

 Friday 18 September 11:00 - 13:20  
Main lecture hall (Harmonie)

## PDA: DUCT CLOSURE IN THE PREMATURE INFANT

Moderators / Neil Wilson / Alban-Elouen Baruteau

Panelists / Shyam Sathanandam / Michael Rigby / Regina Bokenkamp

Anatomy and histology of premature PDAs

/ Karen McCarthy

The evidence – a neonatologists’ perspective

/ Nim Subhedar

Debate: Is the evidence there? Should all symptomatic premature babies with a ductus be treated with percutaneous closure? For

/ Alain Fraisse

Debate: Is the evidence there? Should all symptomatic premature babies with a ductus be treated with percutaneous closure? Against

/ Giuseppe Santoro

Setting up a program for prem duct closure

/ Alban-Elouen Baruteau

Patient selection

/ Mathilde Meot

Devices – what’s out there and what do we need going forward

/ Neil Wilson

Tips and tricks – the differences compared with “standard” PDA closure

/ Sophie Guiti Malekzadeh Milani

Complications and how to handle them

/ Shyam Sathanandam

Cath lab or cot side – what’s best for the baby?

/ Evan Zahn

  Friday 18 September 11:00 - 13:20  
Congress theatre

## LIVE THEATRE

Live case transmission

Live case transmission

Live case transmission

 Friday 18 September 11:00 - 11:35  
Fantasie

## IMAGING FOR MITRAL VALVE

Moderators / Martin Swaans / Christoph Hammerstingl  
Panelists / Dee Dee Wang / Stefan Bertog / Mackenzie Mbai / Robert Quaife

What is wrong with this mitral valve? Two echo cases


/ Bushra Rana

TEE Tips and tricks for edge-to-edge mitral valve repair

/ Robert Quaife

CT essentials for TMVR (VIV, VIR, VIMAC)

/ Dee Dee Wang

 Friday 18 September 11:00 - 13:20  
Poster area 2

## CSI-STRUCTURE CLUB JAPAN

Moderators / Zahid Amin / Bharat Dalvi / Kevin Walsh  
Panelists / Hidehiko Hara / Matthew Daniels / Jae Young Choi / Saibal Kar / Masao Imai / Teiji Akagi

Optimal septum alignment of the Occlutech Figulla® FlexII occluder device to atrial septum: A case of atrial septal defect with small left atrium

/ Masanobu Ohya

Successful catheter closure using steerable catheter for multiple ASD with huge septal aneurysm

/ Shunsuke Saga

Episodic Nocturnal Unconsciousness from PFO with OSA Misdiagnosed as Absence Epilepsy

/ Takehiro Yamashita

How do we evaluate “Septal Malalignment”? Incidence, Severity, Risk of erosion

/ Yoichi Takaya

Organizing Heart-Brain Team for Precise Evaluation of Paradoxical Embolism and Platypnea Orthodeoxia Syndrome

/ Toshiro Shinke

Development of dedicated software of 3D-CT reconstruction for left atrial appendage occlusion with a capability of virtual transesophageal echocardiography view

MitraClip NT system: Japan Post Market Surveillance


/ Takashi Matsumoto

Predictive Impact of PVL Assessments on Clinical Outcomes in TAVI Patients

/ Kensuke Matsushita

SOV obstruction following TAVI


/ Ryosuke Higuchi

 Friday 18 September 11:00 - 13:20  
Poster area 3

## CSI EXPERTS CORNER: STEP BY STEP TAVI

Step by step TAVI

/ Alain Cribier

 Friday 18 September 11:00 - 13:20  
Poster area 1

## CATH LAB CAFE: ASD

Case 1

/ Keyhan Sayadpour Zanjani

Case 2

/ Lakshmivenkateshiah Srinivas

Case 3

/ Hirotsugu Mitsuhashi

Case 4

/ Ajith Anantha Krishna Pillai

Case 5

/ Roland Fiszer

Case 6

/ Michal Galeczka

Case 7

/ Babie Catherine Causapin

Case 9

/ Navaneetha Sasikumar

Case 10

/ Liliana Ferrin

Case 11

/ Parag Barwad

  Friday 18 September 11:00 - 13:20  
Illusion 2+3

## BIODEGRADABLE DEVICES

Live case transmission

Biodegradable stents

/ Dietmar Schranz

Biodegradable ASD devices

/ Xiangbin Pan

Biodegradable VSD devices

Biodegradable CARAG ASD/PFO device

/ Oliver Kretschmar

Histological assessment of biodegradable ASD devices

/ Matthias Sigler

IBS-biodegradable PDA stent

Absnow biodegradable ASD

 Friday 18 September 11:35 - 12:40  
Fantasie

## NATIVE VALVE TRANSCATHETER MITRAL VALVE IMPLANTATION

Panelists / Gry Dahle / Danny Dvir / Alison Duncan / Yoshifumi Nakajima  
Moderators / Mario Goessl

Heamodynamic considerations and treatment after mitral valve implantation

/ Gry Dahle

Tendyne: Update

/ Gry Dahle


Intrepid: Update

Tiara: Update

/ Lenard Conradi

Sinomed

Saturn TMVR

 Friday 18 September 12:40 - 13:20  
Fantasie

## CHALLENGING MITRAL VALVE CASES

Moderators / Nicolas Van Mieghem

Panelists / Stefan Bertog / Lenard Conradi / Ted Feldman / Georg Nickenig / Mohamad Alkhoul

NeoChord case to solve PML prolapse with cleft closure


MitraClip single leaflet detachment case presentation

/ Stefan Bertog

Pushing the boundaries of transcatheter mitral valve repair: Mitraclip in the presence of MAC, non-commissural jets, or cardiogenic shock

/ Mohamad Alkhoul

NeoChord mitral repair and aortic valve replacement (TAVI TA) in same session

 Friday 18 September 13:20 - 13:35  
Industry exhibition

## LUNCH

 Friday 18 September 13:35 - 15:50  
Fantasie

## TRANSCATHETER MITRAL VALVE REPAIR: CASE-BASED APPROACH

Panelists / Ralph Stephan von Bardeleben / Georg Nickenig / Mamta Buch

Moderators / Jennifer Franke / Bushra Rana

Review of MitraClip data (COAPT, Mitra-FR, REDUCE MR including the fine print) by a heart failure specialist

/ Andreas Brieke

Case example: Functional MR in patient with very low EF and severe LV dilatation: MitraClip or conservative management?

/ Steven Goldberg

Case example: Posterior leaflet prolapse with flail in patients with low to intermediate risk: MitraClip or transcatheter chord repair or surgery?

/ Georg Nickenig

MitraClip new generation

/ Mario Goessl

Invasive hemodynamics in guiding transcatheter mitral valve interventions: Does the patient see the color or feel the pressure?

/ Mohamad Alkhoul

PASCAL edge-to-edge repair: device description and data update

/ Ted Feldman

Carillon: device description, data update and step-by-step procedure demonstration

3-year data Neochord

MitralStitch: Update and case example

/ Xiangbin Pan

Heart Stitch: Update and case example

AccuCinch: addressing the underlying ventricular problem

/ Nicolas Van Mieghem

Implantation of the intrapericardial Ventouch system to treat functional mitral regurgitation

/ Denis Bouchard

 Friday 18 September 13:35 - 15:05  
Spektrum

## PFO: UPDATE ON TRIAL DATA AND GUIDELINES

Moderators / John Carroll / Patrick Calvert

Panelists / Gianluca Rigatelli / Marius Hornung / Rodney De Palma

Live case transmission

Pivotal trials and meta-analyses unequivocally support PFO closure

/ Stefan Bertog

Brexit from PFO closure

/ Iqbal Malik

How to deal with subgroups – different results in different trials


/ Ulf Landmesser

What is in the guidelines around the globe?

/ Matthew Daniels

REDUCE trial: 5 years follow-up

/ Lars Sondergaard

 Friday 18 September 13:35 - 15:50  
Main lecture hall (Harmonie)

## PDA: DUCTS CLOSURE BEYOND PREMATURITY

Panelists / Demetris Taliotis / Jesse Esch  
Moderators / Tin Do Nguyen / John P. Breinholt / Bharat Dalvi / Suresh Kumar

Morphology and histology of adult PDA's

/ Karen McCarthy

Fitting the device to the duct - case and device selection

/ Demetris Taliotis

Post closure coarctation and LPA stenosis - how much should we worry?

/ Evan Zahn

Pulmonary hypertensive ducts - when and how to close

/ Bharat Dalvi

Very large and pulmonary hypertensive ducts-how to close

/ Bharat Dalvi

Ducts I wished I hadn't tried to close...

/ Tin Do Nguyen

Adult PDA closure-tips, tricks and problems

/ John Thomson

Debate: With technology this good shouldn't ALL smaller ducts be closed? For

/ Alain Fraisse

Debate: With technology this good shouldn't ALL smaller ducts be closed? Against

/ Michael Rigby

Recorded case


/ Juan Pablo Sandoval

  Friday 18 September 13:35 - 15:50  
Congress theatre

## LIVE THEATRE

Live case transmission

Live case transmission

 Friday 18 September 13:35 - 15:50  
E1

## IMAGING WORKSHOPS - CT LAO (REGULAR)

 Friday 18 September 13:35 - 14:40  
Illusion 2+3

## COARCTATION IMAGING

Moderators / Hans Breur / Gareth Morgan  
Panelists / Saleha Kabir / Petru Liuba / Phuoc Duong / Caroline Ovaert

Pre-procedure evaluation: MRI/CT: which is better, or we need both?

/ Michael Quail

4D flow assessment

3D rotational angiography

/ Luca Giugno

Long term f-up imaging after stenting


/ John Thomson

Is there a role for intravascular ultrasounds?

/ Thomas Krasemann

The role of fusion imaging

/ Michiel Voskuil

 Friday 18 September 13:35 - 15:50  
Poster area 2

## CATH LAB CAFE: VSD

Case 1

/ Muthukumaran Chinnasamy Sivaprakasam

Case 2

/ Amitabha Chattopadhyay

Case 3

/ Raghda Ghonimy Hefny Esmail

Case 4

/ Keshav Nayak

Case 5

/ Radityo Prakoso

Case 6

/ Jean Villareal

Case 7

/ Mark Turner

 Friday 18 September 13:35 - 15:50  
Poster area 1

## CATH LAB CAFE: TAVI

Case 1

/ Antonio Mangieri

Case 2

/ Liesbeth Rosseel

Case 3

/ Abdel-Wahab Mohamed

Case 4

/ Cameron Dowling

Case 5

/ Wael Ghabra

Case 6

Case 7

/ Massimo Napodano

Case 8

/ Vivudh Singh

Case 9

/ Zisis Dimitriadis

 Friday 18 September 14:40 - 15:50  
Illusion 2+3

## COARCTATION STENTING

Moderators / Mario Carminati / Massimo Chessa  
Panelists / Luca Giugno / Kothandam Sivakumar / Ramakrishnan Sivasubramanian / Joseph DeGiovanni

Stenting transverse arch: When and how

/ Allison Cabalka

Aortic isthmus atresia

/ Ahmet Celebi

Is there a role for self-expandable stents?

/ Elchanan Bruckheimer

Coarctation in children <1y.: surgery/balloon/stent?


/ Hans Breur

Stenting mid aortic syndrome

/ Grazyna Brzezinska

Special tips in challenging cases

/ Marc Gewillig

 Friday 18 September 15:05 - 15:50  
Spektrum

## INDICATION FOR PFO CLOSURE

Moderators / Zahid Amin / Mark Turner / Eustaquio Maria Onorato  
Panelists / Dabit Arzamendi Aizpurua / Matthew Daniels

There are many good reasons to close a PFO beyond stroke

/ Mark Turner

PFO closure real number vs burden of disease

/ Matthew Daniels

Atrial fibrillation and PFO

/ Markus Reinthaler

Case presentation: a young patient with paroxysmal AF and PFO

/ Randall Lee

 Friday 18 September 15:50 - 16:20  
Industry exhibition

## COFFEE

  Friday 18 September 16:20 - 18:30  
Fantasie

## TRANSCATHETER MITRAL VALVE REPAIR: VALVE IN VALVE, VALVE IN RING AND VALVE IN MAC

Moderators / Adam Greenbaum / Paul Sorajja  
Panelists / Raj Makkar / Gry Dahle / Sam Dawkins / Neil Ruparelia

Live case transmission

TMVR VIV/VIR and VIMAC: Data Update

/ Georg Nickenig

TMVR VIV: Case example with procedural tips and tricks

/ Philip MacCarthy

TMVR VIR: Case example with procedural tips and tricks

TMVR VIMAC: Case example with procedural tips and tricks

/ Olaf Wendler

TMVR VIV: Any role for valve fracture?

/ Adam Greenbaum

LVOT obstruction: now what?

When and how to close an interatrial septal shunt after the procedure? Case example

/ Mario Goessl

Preemptive alcohol septal ablation for TMVR

/ Dee Dee Wang

 Friday 18 September 16:20 - 18:30  
Main lecture hall (Harmonie)

## PDA STENTING

Moderators / John Thomson / Mazeni Alwi  
Panelists / Sok-Leng Kang / Daniel McLennan / James Bentham / Amitabha Chattopadhyay

Duct morphology in congenitally abnormal hearts

/ Karen McCarthy

Imaging the duct and planning treatment

/ Kuberan Pushparajah

Techniques for duct stenting

/ John Thomson

Are there special considerations in children destined for a single ventricle future?

/ James Bentham

Jailing or damage to the PAs-is the stent the culprit or is it pre-existing ductal tissue?

/ Dietmar Schranz

Aggressive neointimal proliferation after ductal stenting-what do I do?

/ Worakan Promphan

Are drug eluting stents the answer to stent longevity?

/ Gareth Morgan

How and when to close a stented duct in PA IVS

/ Gareth Morgan

Avoidable mistakes? - case based discussion


/ Gianfranco Butera

Should surgical shunting be reserved for babies with no other option?


/ Osama Jaber

The 5 most important things I've learned in a career stenting the arterial duct

/ Mazeni Alwi

 Friday 18 September 16:20 - 18:30  
E1

## IMAGING WORKSHOPS - CT LAAO (ADVANCED)

 Friday 18 September 16:20 - 18:30  
Spektrum

## HOW TO CLOSE PFOS - CASE BASED LEARNING

Moderators / Vaikom Mahadevan

Panelists / Igor Buzaev / Keyhan Sayadpour Zanjani / Yoichi Takaya / Teiji Akagi / Tobias Zeus

Live case transmission

A patient with a PFO and a septum aneurysm

/ Gareth Morgan

A patient with a PFO and additional fenestrations

/ Ghada Mikhail

A patient with a PFO and a very thick septum secundum


/ Pamela Ilioska

A patient with a PFO with very small diameter

/ Eustaquio Maria Onorato

A patient with a PFO with very large diameter

/ Pamela Ilioska

 Friday 18 September 16:20 - 18:30  
Illusion 2+3

## COARCTATION: CHALLENGING CASES

Moderators / Maiy Hamdy El Sayed / John P. Breinholt

Panelists / Caroline Ovaert / Jae Young Choi / Manuel Pan / Basil Thanopoulos

Live case transmissions

Coarctation + aneurysm: hybrid approach

/ Massimo Chessa

My worst complication in the cath lab

/ Basil Thanopoulos

My worst complication during follow-up

/ Ahmet Celebi

Coarctation in Turner patients: should we sent them to surgery?


/ Andreas Eicken

Debate: Neonatal coarctation should always be treated surgically: Pro

/ Boulos Asfour

Debate: Neonatal coarctation should always be treated surgically. Con

/ Maiy Hamdy El Sayed

 Friday 18 September 16:20 - 18:30  
Poster area 1

## CATH LAB CAFE: LAA

Case 1

/ Paul Vermeersch

Case 2

/ Francesco Tomassini

Case 3

Case 4

/ Kasper Korsholm

Case 5


/ David Baghdasaryan

Case 6

/ Kars Neven

Case 7

/ Yoshimitsu Takaoka

 Friday 18 September 16:20 - 18:30  
Congress theatre

## ACCESS TO THE HEART

Moderators / Habib Gamra

Panelists / Sebastian Goreczny / Juan Pablo Sandoval / Antony Hermuzi / Jenny Zablah / Joseph DeGiovanni

Trans-Septal Access- How to! Trans-septal puncture fluoro guidance: step by step

/ Norbert Klein

Trans-Septal Access- How to! Trans-septal puncture echo guidance: step by step

/ Habib Gamra

Trans-Septal Access- How to! Using ECHO Nav to plan your puncture

/ John Carroll

Trans-Septal Access- How to! SafeSept

/ John Papagiannis

Trans-Septal Access- How to! Bayliss RF

/ Stefan Bertog

Overcoming a "tough" Septum. Surgical patches

/ Marc Gewillig

Overcoming a "tough" Septum. Previous ASD Devices

/ Joseph DeGiovanni

Overcoming a "tough" Septum. Electrifying your needle and Snaring the sheath- Replacing brute force with finesse.

/ Sebastian Goreczny

Overcoming a "tough" Septum. Safe Trans-Hepatic Access

/ Antony Hermuzi

Overcoming a "tough" Septum. Access for Percutaneous VV and VA ECMO in Children

/ Jenny Zablah

Overcoming a "tough" Septum. Accessing ECMO circuits to perform Interventions.

/ David Crossland

Overcoming a "tough" Septum. Trans-apical

/ Kothandam Sivakumar

 Friday 18 September 17:30 - 18:30  
Poster area 3

## CSI EXPERTS CORNER: PARAVALVAR LEAK

Paravalvar leak

/ John Carroll

 Saturday 19 September 07:00 - 08:00  
Main lecture hall (Harmonie)

## NEIL WILSON'S CHALLENGING CASES



 Saturday 19 September 08:00 - 10:00  
Fantasie

## VSD IMAGING

Moderators / Tin Do Nguyen  
Panelists / Kothandam Sivakumar / Darren Berman / Demetris Taliotis

Live case transmissions

Relationship of the tricuspid valve to PMVSD's – can we predict potential interaction with devices?

/ Tin Do Nguyen

Subaortic rims in PMVSD – how deficient is too deficient for device closure?

/ Worakan Promphan

Use of 3-D models to plan complex VSD closure in small infants

/ Darren Berman

Intraprocedural TOE vs angiography for VSD sizing – which modality should we trust?

/ Joseph DeGiovanni

Use of transthoracic Echo to close VSD's

/ Xiangbin Pan

Imaging during hybrid closure of VSD's in small infants – TOE vs epicardial imaging

/ Demetris Taliotis

 Saturday 19 September 08:00 - 10:00  
Illusion 1

## TRAINING HUB - MATERIALISE

 Saturday 19 September 08:00 - 10:00  
Congress theatre

## LIVE THEATRE

Live case transmission

Live case transmission

Live case transmission

 Saturday 19 September 08:00 - 09:00  
Illusion 2+3

## IMAGING OF THE TRICUSPID VALVE

Panelists / Ralph Stephan von Bardeleben / Dee Dee Wang / Maurizio Taramasso / Rochus Voeller  
Moderators / Martin Swaans / Rebecca Hahn

Pathophysiological considerations and outcome of tricuspid regurgitation

/ Gry Dahle

Tricuspid vs mitral: an anatomical journey

/ Mark Reisman

Echocardiographic morphology of the tricuspid valve

/ Rebecca Hahn

Assessment of severity of tricuspid regurgitation

/ Eustachio Agricola

How CT helps to analyze the tricuspid valve and the right ventricle

/ Dee Dee Wang

 Saturday 19 September 08:00 - 09:00  
Main lecture hall (Harmonie)

## IMAGING FOR ASD

Moderators / Gareth Morgan / Carmelo Arcidiacono / John Carroll / Bushra Rana  
Panelists / Jenny Zablah

Suitability for closure- TOE is essential!

/ Carmelo Arcidiacono

MRI/ CT is better selection!

/ Phuoc Duong

TTE is enough!


/ Bushra Rana

ECHONAV- Gimmick or Go To Imaging?

/ Jenny Zablah

3D ICE - are we there yet?

/ John Carroll

 Saturday 19 September 08:00 - 10:00  
Spektrum

## DESIGN AND SPECIFIC TECHNICAL ADVANTAGES AND LIMITATIONS OF SELECTED PFO CLOSURE DEVICES

Moderators / Patrick Calvert  
Panelists / Marius Hornung / Brian Clapp / Stefan Bertog

Live case transmission

Device presentation: Amplatzer

/ Brian Clapp

Device presentation: Occlutech

/ Iqbal Malik

Device presentation: Gore

Device presentation: Hyperion

Device presentation: HeartStich

Device presentation: CARAG

Device presentation: DiNova PFO

Does it matter what device you choose? – technical success, closure rate, AF, .....

/ Stefan Bertog

Discussion and device parade – hands-on

 Saturday 19 September 08:00 - 10:00  
Poster area 3

## CSI EXPERTS CORNER: PDA

PDA

/ Mazoni Alwi

 Saturday 19 September 08:00 - 10:00  
Poster area 2

## CHALLENGING CASES FROM RUSSIA

Moderators / Bagrat G. Alekyan / Alexander Osiev / Eustaquio Maria Onorato  
Panelists / Sergey Semitko / Imur Timaev / Igor Buzaev / Prokhor Pavlov

State of the art on Congenital, Structural and Valvular Heart Disease intervention Programs in Russia

/ Bagrat G. Alekyan

Aorta-Right Atrial Tunnel: an intriguing type of congenital anomaly

/ Eustaquio Maria Onorato

Endovascular closure of large (more 20 mm) postinfarction VSD with modern ASD closure devices

/ Alexander Osiev

Successful Mitral PVL closure with dedicated device under hybrid modality visualization

/ Igor Buzaev

Endovascular closure of PVL in early post operation period

/ Sergey Semitko

Difficult valve in valve case?

/ Imur Timaev

 Saturday 19 September 08:00 - 10:00  
Poster area 1

## CATH LAB CAFE: TAVI

Case 1

/ Mohammad Abdelghani

Case 2

/ Giuseppe Tarantini

Case 3

/ Janarthanan Sathananthan

Case 4

/ Martin Geyer

Case 5

/ Shafeeq Mattummal

Case 6

/ Nils Petri

Case 7

/ Livia Gheorghe

Case 8

/ Rajasekhar Varada

Case 9

/ Norman Mangner

 Saturday 19 September 09:00 - 10:00  
Illusion 2+3

## TRICUSPID VALVE PATIENT SELECTION AND TREATMENT

Moderators / Ganesh Manoharan / Martin Swaans / Rebecca Hahn  
Panelists / Maurizio Taramasso / Mann Chandavimol / Rochus Voeller

Lessons from international registry on transcatheter therapies

/ Maurizio Taramasso

Lessons from surgery – should the tricuspid valve be addressed during transcatheter mitral valve intervention?

/ Rochus Voeller

When is surgery an alternative?

/ Gilles Dreyfus

Too late is too late

/ Rebecca Hahn

Tricuspid valve in valve and valve in ring

/ Mann Chandavimol

 Saturday 19 September 09:00 - 10:00  
Main lecture hall (Harmonie)

## NEXT 10 YEARS IN ASD CLOSURE

Panelists / Damien Kenny / Vivian Dimas / Gianfranco Butera / Matthew Gillespie  
Moderators / Bharat Dalvi

Bioresorbable devices

/ Damien Kenny

Stitch technology - an alternative to Bioresorbable for ASDs

/ Michael Mullen

Fractures, erosion risk, nickel allergy and embolization... Have we progressed?

/ Matthew Gillespie

What will my ASD stock room look like in 5 years? Europe?

/ Damien Kenny

What will my ASD stock room look like in 5 years? North America?

/ Vivian Dimas

What will my ASD stock room look like in 5 years? Asia?

/ Worakan Promphan

 Saturday 19 September 10:00 - 10:30  
Industry exhibition

## COFFEE

 Saturday 19 September 10:30 - 12:30  
Fantasie

## VSD: ONGOING CONTROVERSIES

Moderators / Mario Carminati / John P. Breinholt / Kevin Walsh  
Panelists / Jesse Esch

Live case transmission

Percutaneous closure of VSD's in small infants – how small is too small?

/ Damien Kenny

Transcatheter VSD closure in the setting of aortic valve prolapse – a structured approach

/ Tin Do Nguyen

Retrograde vs anterograde approach – both are necessary

/ Dietmar Schranz

Hybrid closure of complex VSD subtypes

Outflow muscular VSD: can we safely device close – five year follow up data


/ Muthukumaran Chinnasamy Sivaprakasam

Debate: Transcatheter PMVSD closure should be restricted to patients with aneurysmal pouches. Pro

/ Zahid Amin

Debate: Transcatheter PMVSD closure should be restricted to patients with aneurysmal pouches. Con

/ Gianfranco Butera

 Saturday 19 September 10:30 - 12:30  
Illusion 2+3

## TRICUSPID VALVE REPAIR AND IMPLANTATION: PART 1

Moderators / Rebecca Hahn / Martin Swaans  
Panelists / Georg Nickenig / Ralph Stephan von Bardeleben / Gry Dahle / Eberhard Grube

Live case transmission

Treating the leaflets: TriClip

/ Georg Nickenig

Imaging for TriClip


/ Rebecca Hahn

Tricuspid clipping: case example

/ Dee Dee Wang

Treating the Annulus (Cardioband, Millepede, DaVinci, ...)

/ Eberhard Grube

 Saturday 19 September 10:30 - 12:30  
Poster area 2

## PICES

 Saturday 19 September 10:30 - 12:30  
Spektrum

## PFO: HOW TO MANAGE COMPLICATIONS

Panelists / Achille Gaspardone / Gianluca Rigatelli / Mahmoud Shabestari / Tobias Zeus  
Moderators / Eustaquio Maria Onorato

Live case transmission

My most memorable complication of PFO closure: Case 1

/ Zahid Amin

My most memorable complication of PFO closure: Case 2

/ Kolja Sievert

My most memorable complication of PFO closure: Case 3

/ Brian Clapp

My most memorable complication of PFO closure: Case 4

/ Vaikom Mahadevan

 Saturday 19 September 10:30 - 12:30  
Et


## IMAGING WORKSHOPS - CT TAVI

 Saturday 19 September 10:30 - 12:30  
Poster area 3

## CSI EXPERTS CORNER: LAA

CSI experts corner: LAA

/ Lars Sondergaard

 Saturday 19 September 10:30 - 12:30  
Poster area 1

## CATH LAB CAFE: PDA

Case 1

/ Francisco Gonzalez Barlatay

Case 2

/ San Fui (Sophia) Yong

Case 3

/ Amitabha Chattopadhyay

Case 4

/ Nurul Islam

## CASES YOU HAVE NEVER SEEN BEFORE FROM AFRICA

Moderators / Neil Wilson / Allison Cabalka

### Case 1

/ Naomi Gachara

### Case 2

/ Christine Yuko-Jowi

### Case 3

/ Sulaiman Lubega

### Case 4

/ Rik De Decker

### Case 5

/ Amal El-Sisi

### Case 6

/ Habib Gamra

### Case 7

/ Ahmed Ali Suliman

### Case 8

/ Ogochukwu Sokunbi

### Case 9

/ Endale Tefera

### Case 10

/ Tosin Majekodunmi

## ASD CLOSURE TECHNIQUES, STRATEGIES AND EQUIPEMENT

Panelists / Teiji Akagi / Neeraj Awasthy / Radityo Prakoso  
Moderators / Shakeel A. Qureshi / Nikolaus A. Haas

Live case transmission

What's new for ASD closure? Gore

/ Matthew Gillespie

What's new for ASD closure? Abbott

/ Andreas Eicken

Balloon Assist: Pulmonary vein and fancy sheath strategies.....should they just get an operation?

/ Shakeel A. Qureshi

The Lifetech bioresorbable ASD device: will it disappear like the Biostar?

/ Xiangbin Pan

Fenestrated ASD devices - when do I need one?

/ Juan Pablo Sandoval

The Occlutech fenestrated ASD device

/ Nikolaus A. Haas

Closure techniques in multiple ASD

/ Lakshmivenkateshiah Srinivas

## LUNCH

## VSD: DEVICE SELECTION AND NEWER TECHNOLOGIES

Moderators / Gareth Morgan  
Panelists / Liliana Ferrin / Jean Villareal / Joseph DeGiovanni

Matching the device to the defect

/ Tin Do Nguyen

My best and worst PMVSD closure case

/ Kothandam Sivakumar

Experience with devices for PMVSD closure: Lifetech

/ Kevin Walsh

Experience with devices for PMVSD closure: Occlutech

/ Worakan Promphan

Experience with devices for PMVSD closure: Abbott devices

/ Zahid Amin

Experience with devices for PMVSD closure: Cocoon

/ Manoj Kumar Rohit

Experience with devices for PMVSD closure: Bioresorbable

/ Xiangbin Pan

Minimally invasive thoracoscopic VSD closure

/ Omelchenko Alexander Y.

Debate: Anatomical heterogeneity of PMVSD's is too varied to provide consistent outcomes to surgery: Pro

/ Boulos Asfour

Debate: Anatomical heterogeneity of PMVSD's is too varied to provide consistent outcomes to surgery. Con

/ Mario Carminati

Complications of VSD device closure: possible to be avoided

/ Sherien Abdelsalam Mohamed

Institutional experience with VSD closure

/ Amitabha Chattopadhyay

 Saturday 19 September 12:45 - 14:45  
Illusion 2+3

## TRICUSPID VALVE REPAIR AND IMPLANTATION: PART 2

Moderators / Rebecca Hahn / Martin Swaans  
Panelists / Georg Nickenig / Stefan Bertog / Gry Dahle / Eberhard Grube

Restoring tricuspid valve function with a simple TTVR solution

/ David Hildick-Smith

Spacer technology

/ Rebecca Hahn

Mistral percutaneous tricuspid valve insufficiency repair – 25 patients midterm results

Other techniques (PASTA, TRIAPTA, Tricinch, ...)

/ Martin Swaans

Clinical need and indication for tricuspid valve implantation

/ Rebecca Hahn

Trisol

/ Giora Weisz

Lux Valve

/ Fang-Lin Lu

  Saturday 19 September 12:45 - 14:45  
Congress theatre

## LIVE THEATRE

Live case transmissions

Live case transmissions

Live case transmissions

 Saturday 19 September 12:45 - 14:45  
E1

## IMAGING WORKSHOPS - CT TAVI

 Saturday 19 September 12:45 - 14:45  
Poster area 3

## CSI EXPERTS CORNER: PPVI

PPVI

/ Shakeel A. Qureshi

 Saturday 19 September 12:45 - 14:45  
Spektrum

## CSI-CHINA VALVE SESSION: FOCUSING ON SUPRA-ANNULAR STRUCTURE (HANGZHOU SOLUTION)

Moderators / Jun-Bo Ge / Jian'an Wang / Lars Sondergaard / Hasan Jilaihawi / Mao Chen  
Panelists / Yong-Jian Wu / Eberhard Grube

Supra-annular structure: Concepts and implications

/ Jian'an Wang

How to evaluate supra-annular structure and guide my daily practice

/ Lars Sondergaard

How to evaluate supra-annular structure and guide my daily practice

/ Hasan Jilaihawi

How to evaluate supra-annular structure and guide my daily practice

/ Yong-Jian Wu

Role of supra-annular structure in TAVR with balloon expandable valve

Supra-annular structure: FEops based findings

/ Xianbao Liu

Approaches to split off supra-annular structure in bicuspid AS: Whether supra-annular structure can be split off or not in bicuspid AS: from surgeon's perspective

/ Thomas Modine



Approaches to split off supra-annular structure in bicuspid AS: PI-Cardia Leaflex aortic valve remodeling

Approaches to split off supra-annular structure in bicuspid AS: Shockwave Lithoplasty for aortic valve remodeling

/ Eberhard Grube

Approaches to split off supra-annular structure in bicuspid AS: TAV-8 balloon reshaping in bicuspid AS

/ Mao Chen

  Saturday 19 September 12:45 - 14:45  
Main lecture hall (Harmonie)

## COMPLICATIONS FOLLOWING ASD CLOSURE

Moderators / Suresh Kumar / Allison Cabalka  
Panelists / Radwa Bedair / Amr Mansour

Live case transmission

Decision making with rhythm disturbance- Tachycardia

/ Allison Cabalka

Decision making with rhythm disturbance- Block

/ Gianfranco Butera

Erosion or effusion- should we always pull the trigger?

/ Ziyad M. Hijazi

Nickel allergy – in the mind or important?

/ Ziyad M. Hijazi

Antiplatelet strategies- one size fits all or bespoke strategies?

/ Mark Turner

Frame fractures - but do they matter?

/ Matthew Gillespie

Device embolization – strategies for retrieval

/ Jae Young Choi

 Saturday 19 September 12:45 - 14:45  
Poster area 1

## **CATH LAB CAFE: PFO**

Moderators / Vaikom Mahadevan

### Case 1

/ Shazia Samreen Afzal

### Case 2

/ Eustaquio Maria Onorato

### Case 3

/ Amar Krishnaswamy

### Case 4

/ Neil Ruparella

### Case 5

/ Paolo Olivares

  Saturday 19 September 14:45 - 17:30  
Main lecture hall (Harmonie)

## **LIVE ONLY AND Q&A**

Moderators / Shakeel A. Qureshi / Neil Wilson / Horst Sievert / Mario Carminati

Live transmission from Bonn, Germany

/ Martin Schneider

Live transmission from Milan, Italy

/ Antonio Colombo