WE CAN RUN YOUR MEDICAL EVENT FROM ITS CONCEPTION TO COMPLETION

cme4u is specialized in organizing national and international medical congresses, meetings and workshops. Whether you are looking to outsource one aspect of your meeting or require full conference management, we can offer you services to suit your needs and to make your conference or meeting a success!

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- Finding a venue
- Registration and certification
- Communication with speakers
- Sponsorship by industry
- Public relation and marketing
- Transportation, hotel and travel
- Post-event management

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**Legend**
- Live case
- Lecture & discussion
- Lunch session with lunch boxes
- Training hub – Hands-on training
- CSI Focus Imaging Sessions
- CSI Focus PFO Sessions
- CSI Focus Innovation Sessions

**Free WiFi**
- SSID: Congress WiFi
  - Username: CSI62017
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### CSI FOCUS PFO / WEDNESDAY

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### CSI FOCUS INNOVATION / WEDNESDAY

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YOUR CSI PROGRAM OVERVIEW

CSI PROGRAM STRUCTURE

- During blue colored “Live Only” sessions, our live centers will take center stage, showing a wide range of cases from both the adult and pediatric fields, uninterrupted by lectures!

- The red colored “Focus Live” sessions, which consist of lectures and a step by step live case, will give you more in depth knowledge of a particular topic.

- The green colored “Seminar” sessions will consist of lectures only and will run parallel to all live case sessions.

Use the program overview on this page to plan which sessions to attend! For detailed information refer to the scientific program from page 45 to 127.

REFRESHMENTS, BREAKFAST & LUNCH BOXES

Breakfast will be served daily from 7.00 to 8.00 and lunch boxes from 12.00 to 13.30 in the exhibition area on the 1st and 2nd floor. All bars on the 1st and 2nd floor will be open all day, every day!

SOCIAL DINNER

You are cordially invited to join us for the CSI social dinner at restaurant “ALEX” Frankfurt Skyline Plaza, on Friday, June 30, 2017 from 19.30 to 23.00. The restaurant is situated 10 minutes walking distance from the congress center. We will meet at 19.00 in front of the entrance of the congress center to walk to the dinner location. Don’t forget to bring your coat. Dress code is casual.

www.dein-alex.de

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LEGEND

- Live case
- Lecture & discussion
- Lunch session with lunch boxes
- Training hub – Hands-on training
- “Live Only” sessions
- “Focus Live” sessions
- “Seminar” sessions
- “Keynote lecture” & “Breakout” sessions

PICK UP YOUR LUNCH BOX IN THE INDUSTRY EXHIBITION

PICK UP YOUR LUNCH BOX IN THE INDUSTRY EXHIBITION
## Program Overview Thursday to Saturday

### CSI CONFERENCE / THURSDAY

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<td>Room Conclusio</td>
<td>Left Atrial Appendage Closure Part 1</td>
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<td>12.00 – 12.40</td>
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<td>16.10 – 16.40</td>
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<td>Room Fantasie</td>
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FINDING YOUR WAY AROUND
NAVIGATION

SECOND FLOOR
ROOM FANTASIE
BREAKFAST AND LUNCH BOXES
INDUSTRY EXHIBITION
E-POSTER LOUNGE

FIRST FLOOR
MAIN ARENA HARMONIE
ROOM B1
ROOM D1
ROOM E1
ROOM CONCLUSIO
ROOM SPEKTRUM
BREAKFAST AND LUNCH BOXES
CSI FOUNDATION LOUNGE
TRAINING HUB
FACULTY CENTER
INDUSTRY EXHIBITION

GROUND FLOOR
REGISTRATION COUNTER
FACULTY CHECK-IN
CSI INFORMATION (i)
WARDROBE
ENTRANCE
WEDNESDAY
CSI FOCUS IMAGING
Main Arena Harmonie
Room Conclusio
Room B1

CSI FOCUS PFO
Room Spektrum

CSI FOCUS INNOVATION
Room Fantasie

THURSDAY TO SATURDAY
CSI CONGRESS
Main Arena Harmonie
Room Spektrum
Room Fantasie
Room Conclusio

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CSI EXHIBITING COMPANIES 2017

1  pfm medical
2  ABBOTT
3  Boston Scientific
4  GORE & Associates
5  Bentley
6  Comed B.V.
7a NeoChord / Hands-on training
7b LifeTec Group / Hands-on training
8  Lifetech Scientific
9  Venus MedTech
10 Medtronic
11 Occlutech
12 SentreHEART
13 PS-Medtech / Hands-on training
14 Reichert / Buchhandlung für Medizin
15 PediaVascular

SECOND FLOOR
16 Heartstitch
17 NVT
18 Materialise
19 Mitralign
20 Baylis Medical
21 Corvia Medical
22 Bavaria Medizin Technologie
23 AtriCure
24 Siemens
It is a great pleasure to welcome you to CSI Frankfurt 2017 and we look forward to spending the next four days with you. We have developed an exciting program with more than 250 lectures and over 30 scheduled live cases. As always, we will run a number of Focus Workshops on the first day of the conference, followed by a 3-day comprehensive overview of catheter interventions in congenital, structural and valvar heart disease.

New this year is a full day Focus Workshop on patent foramen ovale closure. The procedure first started to draw the attention of cardiologists back in the 90ies – flash back to the very first CSI Frankfurt in 1996 when the CSI directors presented their first experiences of PFO closure! A long period of controversy surrounding the procedure followed due to early trials of PFO closure failing to meet their primary endpoints. In the past year however there have been promising developments: meta-analyses and longer-term data have shown benefits for PFO closure in terms of reducing recurrent stroke, leading the FDA to approve the Amplatzer PFO Occluder device (St. Jude Medical). In recent months, the REDUCE (Gore) and CLOSE trial data have provided further support for endovascular PFO closure by showing that use of an occluder in conjunction with antiplatelet therapy is superior in reducing recurrent events compared with antiplatelet therapy alone. Whilst currently the Amplatzer device is the only one approved by the FDA for PFO closure, the results of REDUCE and CLOSE will trigger change to practice and guidelines not only in the US but worldwide making PFO closure the hot topic of the year!
At CSI Frankfurt it is our goal to stay at the forefront of technology, innovation and medical device development. We have introduced our Focus Workshops to address topics that are particularly relevant due to recent developments, and to cater to particular interests of attendees of CSI. During CSI our Focus Workshops will cover imaging for congenital, structural and valvar heart interventions (CSI Focus Imaging); innovation and processes of device design (CSI Focus Innovation) and of course patent foramen ovale closure (CSI Focus PFO). Aside from this, we run a workshop on left atrial appendage closure (CSI Focus LAA – November 17 – 18, 2017) and devices in heart failure (CSI Focus D-HF – December 15 – 16, 2017). We organize these workshops for your benefit and we welcome your feedback and suggestions.

Please don’t be afraid to speak up during sessions or stop any of the directors or faculty for a chat during the breaks. With your help we hope to make CSI even more interesting in the future and we value input from each and every one of you. Thank you for being part of CSI!

Sincerely yours,
The CSI course directors
Horst Sievert, MD
Mario Carminati, MD
Neil Wilson, MD
Shakeel A. Qureshi, MD
MAKE THE MOST OF THE CSI EXPERIENCE

ASK QUESTIONS AND SHARE YOUR EXPERIENCE

You – as an attendee – can contribute to make our congress even more interesting and successful if you engage in detailed and open discussions with the panel and fellow colleagues. For this reason, we encourage you to participate actively by asking questions, sharing your experience, and disagreeing, when you feel that something should be done differently. To encourage interactive dialogue, a microphone will be placed on every table in the main lecture hall. Push the button to ask a question or make a comment and become interactive by contributing to the session. In other rooms members of our faculty – session facilitators – will run to you with a portable microphone the moment you raise your hand! Your feedback makes us all better and we are here to learn from each other.

BECOME A MEMBER OF THE SPONTANEOUS FACULTY

Many colleagues in the CSI audience have great experience on a certain device or procedure being shown in the live cases during the conference. Prior to or during the sessions, the moderator will ask one of the attendees to join the panel to share their experience with the live case presenter, the scientific faculty and their colleagues in the hall.

PROGRAM STRUCTURE

The scientific program of CSI Frankfurt allows you to customize your learning experience according to your personal requirements: There will be three parallel main sessions at all times offering different types of learning experience, ranging from 100% live cases (Live Only), a mixture between step by step live case presentations and lectures on particular topics (Focus Live), or seminar sessions consisting of lectures and debates only. Parallel streams of adult, pediatric or mixed sessions enable you to tailor the program to your particular needs.

Use the program overview from page 4 to 7 to plan which sessions to attend!
DO NOT MISS …

THE JAMES LOCK INTERVIEW

As a special highlight this year, James Lock, inventor and developer of many cardiac catheterization devices and non-surgical procedures will speak to us about his achievements, his recent innovative program to standardize clinical care and the future of cardiovascular interventions. The interview will take place on Friday, 9.30.

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THE APPROACH CHALLENGE

The speaker will present his approach to a particular topic, device or procedure. He will then need to defend his approach against two challengers and their opinions. We have two approach challenges planned in the program:

During the session on LAA closure on Thursday, 10.30 – 12.40, Maurice Buchbinder will argue that LAA occlusion should be performed in cases of valve disease or after valve surgery. Sameer Gafoor and Stefan Bertog will be the challengers.

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During the VSD closure session on Saturday, 10.40 – 13.05, Bharat Dalvi will defend his opinion that small VSDs should be closed against the challengers Gareth Morgan and Shakeel A. Qureshi.

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THE HILDICK-SMITH DEBATE FEATURING MARTYN THOMAS

This type of debate was first performed by David Hildick-Smith a number of years ago … hence the name! This year Martyn Thomas will debate with himself whether the future of TAVI is self-expanding or balloon expandable. The debate will take place during the Seminar on “Challenges with TAVI”, Friday, 10.30 – 12.40.

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NEIL WILSON’S CHALLENGING CASES

Neil Wilson has been a feature of CSI since 1999 and his British sense of humour coupled with serious debate has established this early morning session as a favorite for many regular attendees. Neil is unable to attend this year so his sidekick Shakeel A. Qureshi will chair the session on challenging cases on Saturday morning, 7.00 – 8.00.

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THE E-POSTER PRESENTATION

This will take place on Friday morning, 7.00 – 8.00 in the E-Poster session on the second floor of the congress centre. You can also visit the lounge at any time to browse through over 100 posters that were submitted for the meeting. Get an overview of all abstracts submitted for CSI 2017 on page 129 to 141.

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CSI 2017 will, once again, offer hands-on simulation workshops and model training. Benefit from case based or hands-on training sessions organized by our industry partners. Spaces are limited, so make sure to pre-register with the industry representatives in the exhibition. Refer to the separate training hub booklet.

THE INDUSTRY EXHIBITION

Meet our partners at the industry exhibition on the first and second floor and learn about the latest products, data and resources to facilitate your daily practice and improve patient outcomes. The very latest cardiovascular developments will be represented at the exhibition and debated during the congress.

THE DAILY BREAKFAST

We will serve breakfast every morning at 7.00 in the industry exhibition on the first and second floor.

THE CSI FOUNDATION LOUNGE

Sit back and relax on the first floor in the CSI Foundation Lounge. Use this opportunity to network with your peers, the faculty and industry representatives. There will be live streaming from the Main Arena so you will not miss any of the action! Refreshments will be available all day, every day at the CSI Foundation bar.

THE SOCIAL DINNER

You are cordially invited to join us for the CSI social dinner at restaurant “ALEX” Frankfurt Skyline Plaza, on Friday, June 30, 2017 from 19.30 – 23.00. Dress code is casual.

The restaurant is situated 10 minutes walking distance from the congress center. We will meet at 19.00 in front of the entrance of the congress center to walk to the dinner location. www.dein-alex.de
LEARNING OBJECTIVES

WEDNESDAY, JUNE 28
CSI FOCUS IMAGING: INTERVENTIONAL IMAGING – MORE THAN IMAGES!

Many new catheter-based treatment options have become available in the last decade, revolutionizing the management of congenital, structural and valvar heart disease. Successful planning, performance and aftercare of these interventions depend heavily on accurate imaging. Intraprocedural guidance can be facilitated by established imaging modalities such as transesophageal 2D and 3D echocardiography and by novel techniques including echo-fluoroscopy overlay and 3D modeling/printing. Computed tomography and magnetic resonance imaging are particularly helpful for precise preprocedural morphology assessment and device sizing. New imaging tools such as holography are on the horizon. CSI Focus Imaging 2017 is designed specifically to provide physicians involved in congenital, structural and valvar interventions with the necessary imaging tools for safe and effective procedural performance. Furthermore, it familiarizes attendees with imaging techniques that are on the horizon, but not yet used in routine clinical practice. Lectures by leading experts in the field will be complemented by live transmissions to illustrate basic and advanced concepts of imaging for structural heart disease interventions. CSI Focus Imaging is one of a kind and a natural complement to CSI.

WEDNESDAY, JUNE 28
CSI FOCUS PFO: PATENT FORAMEN OVALE CLOSURE

In October 2016 the FDA finally gave the green light to St. Jude Medical’s Amplatzer device for patent foramen ovale (PFO) closure making it the first device of its kind to be approved in the US. More recently, data from the CLOSE and REDUCE (Gore) studies was published, suggesting that PFO closure combined with antiplatelet therapy is superior in reducing recurrent cryptogenic stroke compared
to antiplatelet therapy alone. PFO closure has been controversial over the past 10 years but these recent developments are likely to trigger changes to guidelines and procedures as well as further innovation in this field worldwide. At CSI Focus PFO you will learn everything you need to know about this field: indication, imaging, device selection, technique and complication management. Live cases will be an important part of this learning experience.

**WEDNESDAY, JUNE 28**

**CSI FOCUS INNOVATION: PROCESSES IN DEVICE DESIGN**

Congenital, structural and valvar interventions are the fastest growing fields in cardiology, with less invasive, percutaneous methods continuing to prevail. The field has progressed from the ability to treat atrial septal defects, to now having percutaneous interventions for many intracardiac defects, valvar repairs and replacements, heart failure and beyond.

The process begins with defining a clinical need which engages device developers, engineers and companies to analyze and create solutions. Solutions are developed, tested, put forward in animal trials, re-tested, brought to regulatory authorities, tested in First-in-Man trials – all with the hopes of leading to regulatory approvals, reimbursement and market adoption.

CSI Focus Innovation brings together people with differing areas of expertise to discuss the processes needed to design a device from the beginning, all the way to the creation, management and growth strategy of a medical device company and therapy.
CSI Frankfurt will provide a deep dive into major topics in catheter-based therapy of congenital, structural and valvar heart disease for adult and paediatric interventional cardiologists, cardiothoracic surgeons, anesthesiologists, nurses, technicians and any other medical specialty involved in these procedures. The program will include lectures from leading experts in the field, live case demonstrations, hands-on simulation training, debates, a poster presentation and of course an industry exhibition.

Use this opportunity to discover new areas of interest: you will be able to gain hands-on experience on simulators in our training hub; we will cover the newest devices, techniques and procedures and you can take this chance to explore new fields such as device therapies for heart failure.

We pride ourselves on offering a personal experience to our faculty and attendees. Interaction between panel, operators and audience is encouraged at all times. We try not to take ourselves too serious — we debate with humour, question with a smile and disagree with respect.

We hope that CSI 2017 will provide you with an exciting learning and networking experience and allow you to become familiar with the newest techniques, technology and concepts.
KEY ADDRESSES

CONGRESS VENUE
CONGRESS CENTER
FRANKFURT

Ludwig-Erhard-Anlage 1
60327 Frankfurt, Germany
www.congresscenter.de

SOCIAL DINNER VENUE
ON FRIDAY JUNE 30, 2017
ALEX FRANKFURT
SKYLINE PLAZA

Europa-Allee 6
60327 Frankfurt, Germany
www.dein-alex.de

CONGRESS ORGANIZATION
CME4U GMBH

Congress, Meetings & Education
Gutleutstrasse 322
60327 Frankfurt, Germany
E-mail: info@cme4u.org
www.cme4u.org

Denise Thom
Congress management
Mobil: +49 152 54 50 14 22

Moreno Camuffo
Sponsoring and exhibition management
Mobil: +49 176 20 55 28 69

Stanislava Kolkova
Faculty management
Mobil: +49 170 525 39 86
ATTENDEE INFORMATION

We hope that you will enjoy the conference. Please note the following points of general information:

OPENING HOURS

- Wednesday, June 28, 2017
  7.00 – 19.00
- Thursday, June 29, 2017
  7.00 – 18.30
- Friday, June 30, 2017
  7.00 – 18.30
- Saturday, July 1, 2017
  7.00 – 18.00

FREE WIFI

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CONGRESS LANGUAGE

The official language of the conference is English. There will be no simultaneous interpretation.

STAY UP TO DATE

Sign up for the CSI newsletter on www.csi-congress.org/news to keep yourself informed about the latest news on CSI.

DOWNLOADS

Content of CSI 2017 will be available for download at CSI@home. We will e-mail you the log-in data in August 2017. So please ensure that we have your e-mail address when you pick up your badge from the welcome team.

All abstracts and cases are available for download on the CSI website: www.csi-congress.org/csi-frankfurt/abstracts-cases

IF YOU REQUIRE FURTHER INFORMATION OR NEED ANY ASSISTANCE PLEASE STOP BY THE REGISTRATION COUNTER.

Thank you for your attention,
cme4u GmbH
Congress organization
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CSI FOCUS IMAGING 2017
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As the certificate of attendance will be sent by email, please ensure that your contact details are up to date when you pick up your badge from the welcome team at the registration counter.

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www.csi-foundation.org
WHAT IS THE CSI FOUNDATION?

Minimally invasive, catheter-based treatment of congenital, structural and valvar heart disease is one of the fastest growing fields in medicine. Today, all kinds of congenital and acquired cardiac defects as well as valvar heart diseases can be treated percutaneously.

THERE IS A NEED FOR FURTHER DEVELOPMENT

Research and multidisciplinary collaboration is key to unlocking the potential for further and more advanced treatment modalities. Additionally, there remains a large potential to further develop and improve training, infrastructure and treatment worldwide.

WHAT IS THE CSI FOUNDATION?

The CSI Foundation is a not-for-profit organization that has been formed to aid the development of congenital, structural and valvar heart interventions worldwide. Primarily, the CSI Foundation aims to achieve this by encouraging and promoting research in the field and by providing training initiatives and educational opportunities to doctors, technicians and nurses. It supports and promotes global and multidisciplinary collaboration, particularly in regions that currently lack progress and infrastructure for diagnosis and effective treatment. The CSI Foundation is passionate about the interface of clinical medicine and the rapid spreading of ideas, including educational meetings and physician training initiatives.

WE AIM TO PROVIDE

- educational conferences and workshops
- a forum for exchange of information
- training opportunities for updating practical skills
- networking opportunities
- help and advice on research and publication in international journals

BECOME A MEMBER AND SUPPORT THE FOUNDATION

All of our activities are made possible with the support of our members, corporate partners, affiliates and private donations. If you are interested in becoming a member please visit our website:

WWW.CSI-FOUNDATION.ORG
CSI-UCSF  
SEPTEMBER 8 – 9, 2017 | SAN FRANCISCO, USA

This conference will give you a comprehensive overview of major topics in catheter and device therapy for structural and valvar heart disease, in addition to novel therapies for atrial fibrillation and heart failure. There will also be sessions on catheter therapy for congenital heart disease in adults.

CSI FOCUS LAA  
NOVEMBER 17 – 18, 2017 | FRANKFURT, GERMANY

Left atrial appendage closure for stroke prevention in atrial fibrillation is a good alternative to anticoagulation therapy. Learn everything you need to know about LAA closure at this workshop!

CSI AFRICA  
DECEMBER 1 – 2, 2017 | NAIROBI, KENYA

CSI Africa is a 2-day course, designed to give attendees an overview of the most important catheter therapies of congenital, structural and valvar heart disease in children and adults. It is aimed in particular at physicians from the African continent.

D-HF  
DECEMBER 15 – 16, 2017 | BERLIN, GERMANY

Heart failure is the next frontier in cardiovascular interventions. We will be discussing new approaches to treat heart failure in the context of the 2016 ESC clinical practice guidelines.
CSI ASIA-PACIFIC
JANUARY 31 – FEBRUARY 3, 2018
HO CHI MINH CITY, VIETNAM

Focused on practice in the Asia-Pacific region, this meeting will give a comprehensive overview of major topics in catheter therapy of congenital, structural and valvar heart disease. CSI Asia-Pacific 2018 will be a joint meeting with the Vietnam Congress of Congenital and Structural Heart Disease.

CSI FRANKFURT
JUNE 27 – 30, 2018 | FRANKFURT, GERMANY

This conference will give you a comprehensive overview of catheter therapy of congenital, structural and valvar heart interventions. It is aimed at adult and pediatric interventional cardiologists, cardiothoracic surgeons, anesthesiologists, imaging specialists and any other specialty involved in these procedures.

As always, on the first day of the conference we will run a number of focus workshops, including CSI Focus Innovation and Imaging. Updates on other focus topics will be available soon.
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Charité – Medical University of Berlin
Berlin, Germany

Gregor Krings, MD
University of Utrecht, Pediatric Heart Center (UMC Utrecht Wilhelmina Kinderziekenhuis)
Utrecht, The Netherlands

Karl-Heinz Kuck, MD
Hospital St. Georg Hamburg
Hamburg, Germany

Ulf Landmesser, MD
Charité – Medical University of Berlin
Berlin, Germany

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The Heart Hospital, University College
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Galway, Ireland

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JUNE 28, 2017
PROGRAM
### CSI FOCUS WORKSHOPS WEDNESDAY

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**WE WANT TO HEAR YOUR OPINION!**

Please complete our survey:

[www.csi-congress.org/evaluation](http://www.csi-congress.org/evaluation)
IMAGING
CSI FOCUS
07.00 – 09.00

07.00 – 08.00 / EXHIBITION AREA

BREAKFAST

08.00 – 08.05 / MAIN ARENA HARMONIE

WELCOME
AND INTRODUCTION
/ Bushra Rana / Martin Swaans / Shakeel A. Qureshi / Horst Sievert

08.05 – 09.00 / MAIN ARENA HARMONIE

WHAT’S NEW IN IMAGING?

MODERATORS / John Carroll / Elchanan Bruckheimer

Patient specific computer simulation for structural and valvar heart interventions
/ Matthieu De Beule

Holography
/ Elchanan Bruckheimer

Virtual reality (Vesalius3D)
/ Mark Lausberg

Image guidance during structural procedures – Advancement in echo fusion imaging
/ John Carroll

What’s new in 3D planning and printing for structural interventions?
/ Peter Verschueren

DISCUSSION
09.00 – 10.00 / MAIN ARENA HARMONIE

THE ATRIAL SEPTUM
MODERATORS / Bushra Rana / Shakeel A. Qureshi

Development and functional anatomy (PFOs & ASDs)
/ Annalisa Angelini

Echocardiographic assessment of PFOs and ASDs
/ Bushra Rana

LIVE CASES
from CardioVascular Center Frankfurt CVC, Germany

Periprocedural TEE-Imaging
/ Matthew Daniels

DISCUSSION

09.00 – 10.00 / ROOM CONCLUSIO

PULMONARY VALVE
MODERATORS / Mario Carminati / Marc Gewillig

Pulmonary valve/RVOT anatomy and pathophysiology
/ Karen McCarthy

Strength and weakness of MDCT and MRI prior to transcatheter pulmonary valve replacement
/ Carlos Ruiz

How to assess pulmonary regurgitation and RV function
/ Alessandra Frigiola

Are the current indications for pulmonary valve implantation adequate
/ Marc Gewillig

DISCUSSION

10.00 – 10.30 / EXHIBITION AREA

TEA AND COFFEE BREAK
TRICUSPID VALVE REPAIR

MODERATORS / Rebecca Hahn / Allison Cabalka

Tricuspid valve anatomy and pathophysiology / Annalisa Angelini

How do we identify the suitable patient using different imaging modalities? / Rebecca Hahn

LIVE CASES

from CardioVascular Center Frankfurt CVC, Germany

How to guide a Mitraclip procedure for tricuspid regurgitation / Christoph Hammerstingl

How to guide a Cardioband procedure for tricuspid regurgitation / Stephan von Bardeleben

How to guide a 4tech procedure / Paolo Denti

How to guide a Tricalign procedure / Rebecca Hahn

How to follow up after tricuspid valve repair / Rebecca Hahn

DISCUSSION
ASSESSMENT OF AORTIC VALVE FOR TAVI

MODERATORS / Carlos Ruiz / Jian’an Wang

How to predict PVL after TAVI
/ Martin Swaans

DEBATE
– TAVI sizing can be done with TEE
  / Bushra Rana
– CT scan is really necessary
  / Carlos Ruiz

Assessing vascular access risk using imaging
/ Jian’an Wang

How to grade PVL during and after TAVI: a multimodality approach
/ Bushra Rana

Angiographic quantification of PVL after TAVI
/ Martin Swaans

How can non-invasive imaging help in valve choice?
/ Thomas Walther

When to treat and when not to treat the failing bioprosthesis: indications and contraindications for TAVI
/ Philip MacCarthy

TAVI degeneration: assessment and management
/ Bushra Rana

DISCUSSION
12.35 – 14.05 / MAIN ARENA HARMONIE

FETAL ECHO
MODERATORS / Sally Ann Clur / Roland Gitter

Fetal echocardiography – How and when to do?
/ Sally Ann Clur

LIVE CASES
from CardioVascular Center Frankfurt CVC, Germany

Common congenital heart abnormalities: who will need early intervention postnatally?
/ Sally Ann Clur

Borderline hearts: predicting postnatal management and considerations for fetal intervention
/ Roland Gitter

Pitfalls in prenatal diagnosis
/ Gurleen Sharland

New modalities in fetal cardiac diagnosis
/ Kuberan Pushparajah

DISCUSSION

12.35 – 14.05 / ROOM CONCLUSIO

IMAGING OF CORONARY FISTULAS
MODERATORS / Israel Valverde / Shakeel A. Qureshi

Limitations of echo – Strengths and weaknesses of CT and MRI
/ Kuberan Pushparajah

Prenatal diagnosis of coronary artery fistulas
/ Gurleen Sharland

3D printing in planning treatment
/ Israel Valverde

Circle of Vieussens in adults – Does it need treatment?
/ Shakeel A. Qureshi

DISCUSSION
MITRAL VALVE REPAIR
MODERATORS / Ted Feldman / Ulrich Schaefer

The anatomical and physiological complexity of the mitral valve / Karen McCarthy

Echocardiographic assessment of mitral regurgitation before, during and after intervention / Christoph Hammerstingl

LIVE CASES
from CardioVascular Center Frankfurt CVC, Germany

Anatomical challenges for percutaneous E2E repair / Ted Feldman

Anatomical challenges for mitral annuloplasty / Stephan von Bardeleben

Anatomical challenges for mitral replacement / Lars Sondergaard

One clip, two clips, more clips: how to guide the decision / Stephan von Bardeleben

MitraClip in HOCM patients / Ulrich Schaefer

MitraClip for left ventricular outflow tract obstruction after mitral valve ring repair: case example / Stefan Bertog

DISCUSSION
COARCTATION AND HYPOPLASTIC AORTIC ARCH

MODERATORS / Marc Gewillig / Felix Berger

Morphology for coarctation in different age groups
/ Annalisa Angelini

Multimodality imaging of coarctations
/ Rafael Hirsch

Planning the procedure based on imaging
/ Felix Berger

Which type of coarctation should be referred for surgery?
/ Alessandro Frigiola

CT or MRI? What to look for during follow-up
/ Sujeev Mathur

Hypoplastic aortic arch – How to select the best treatment on imaging?
/ Marc Gewillig

DISCUSSION
LAA CLOSURE

MODERATORS / Bushra Rana / Dee Dee Wang
FACILITATORS / Kolja Sievert / Henning Ebelt

Echo contrast for determining Thrombi in LAA
/ Henning Ebelt

Echo/Fluoro evaluation speaking the same language
/ Bushra Rana

Pre-procedural CT changed my approach: case examples
/ Dee Dee Wang

Using fusion imaging to guide LAA closure
/ John Carroll

3D Angiography during LAA closure: best technique, tips and tricks
/ Tom De Potter

Predicting peri-device leakage of left atrial appendage device closure using Novel three-dimensional geometric CT analysis
/ Claudio Tondo

Using MDCT for follow-up?
/ Dee Dee Wang

Special anatomic requirements for transpericardial LAA closure with the LARIAT system: how to analyze CT
/ Krzysztof Bartus

TEE follow-up: how to assess residual leak and thrombus on the device
/ Martin Swaans

Catheter closure of residual leaks after LAA closure
/ Kolja Sievert

DISCUSSION

TEA AND COFFEE BREAK
PARAVALVAR LEAK CLOSURE

MODERATORS / Matthew Daniels / Martin Swaans

Paravalvar leak therapy in mitral valve prosthesis: anatomical considerations
/ Annalisa Angelini

LIVE CASES

from CardioVascular Center Frankfurt CVC, Frankfurt, Germany

Periprocedural imaging: device sizing using echo
/ Jeffrey Khoo

Limitation of imaging in paravalvar leaks
/ Matthew Daniels

Paravalvar versus transvalvar leaks: differentiation and classification
/ Nilesh Sutaria

CT-planning and fusion imaging with CT for paravalvar leak closure
/ Carlos Ruiz

Paravalvar mitral and aortic leak case presentation: focus on imaging
/ Nilesh Sutaria

Paravalvar leak closure guided by Fluoro-3D TEE fusion imaging
/ Eustaquio Onorato

DISCUSSION
VSD CLOSURE

MODERATORS / Shakeel A. Qureshi / Do Nguyen Tin

The anatomy of VSDs
/ Karen McCarthy

Echocardiographic assessment before interventions
/ Carmelo Arcidiacono

LIVE AND/OR RECORDED CASES
from CardioVascular Center Frankfurt CVC, Frankfurt, Germany

Intra-procedural TEE guidance
/ Lucy Eun

How can we use CT in post-myocardial infarction VSDs
/ Mark Turner

What to look for during follow-up
/ Do Nguyen Tin

Transcatheter reconstruction of subaortic ridge with closure of perimembranous subaortic VSD with or without AR
/ Hussein Abdulwahab M. Abdullah

Case examples – Focus on imaging
/ Lucy Fun

DISCUSSION
PFO
CSI FOCUS
07.00 – 08.00 / EXHIBITION AREA

BREAKFAST

08.00 – 08.05 / ROOM SPEKTRUM

WELCOME AND INTRODUCTION
/ Bernhard Meier / Horst Sievert

08.05 – 10.00 / ROOM SPEKTRUM

BACKGROUND, ANATOMY, PFO ASSOCIATED DISORDERS

MODERATORS / Bernhard Meier / Franz Kleber
PANELISTS / Zahid Amin / Mark Turner / Stefan Bertog

LIVE CASES
from CardioVascular Center Frankfurt CVC, Germany

The first description of a PFO case
/ Stefan Bertog

PFO: license to kill
/ Bernhard Meier

Incidence of large and small PFOs in stroke patients and in the general population: a critical analysis of the literature
/ Stefan Bertog

Potential for opening with very important surrounding neighbors
/ Zahid Amin

Migraine and other diseases associated with PFOs: from deep divers to high altitude climbers
/ Eustaquio Onorato

PFO as a cause of paradoxical embolism in children – Review of the literature
/ Gareth Morgan

PFO as a cause of paradoxical embolism in elderly patients
/ Mark Turner

PFO as a cause of myocardial infarction
/ Franz Kleber

DISCUSSION
10.00 – 10.30 / EXHIBITION AREA
TEA AND COFFEE BREAK

10.30 – 12.30 / ROOM SPEKTRUM

DEVICES AND TRIAL RESULTS
MODERATORS / John Carroll / Lars Sondergaard
PANELISTS / Michael Hennerici / Mark Turner / Fabian Nietlispach

The Amplatzer PFO device: clearly a conundrum
/ Zahid Amin

Update on RESPECT
/ John Carroll

Update on the PC and PRIMA trials
/ Bernhard Meier

OPPOSE-Registry
/ Iqbal Malik

GORE CARDIOFORM septal occluder
/ John Thomson

REDUCE primary endpoint data
/ Lars Sondergaard

CLOSE primary endpoint data
/ Stefan Bertog

A critical analysis of REDUCE and CLOSE
/ Michael Hennerici

Debate about secondary stroke prevention
– PFO closure only in patients with prior embolic stroke!
/ Stefan Bertog
– I would rather like to also treat patients with prior embolic TIA!
/ Fabian Nietlispach

Debate about primary stroke prevention
– This would really be ridiculous!
/ Stefan Bertog
– Wait a moment!
/ Fabian Nietlispach

DISCUSSION
HOW TO CLOSE

MODERATORS / Fabian Nietlispach / Xiangbin Pan
PANELISTS / Nilesh Sutaria / Kevin Walsh / Zahid Amin / Patrick Calvert

LIVE CASES
from CardioVascular Center Frankfurt CVC, Germany

Pre and intraprocedural imaging
/ Nilesh Sutaria

PFO closure step by step and advanced tips and tricks
/ Kevin Walsh

Debate
- PFO closure can and should be done with fluoro guide only!
  / Fabian Nietlispach
- PFO (and ASD) closure can and should be done with echo guide only!
  / Xiangbin Pan

Challenging cases
/ Eustaquio Onorato

How to manage periprocedural complications
/ Zahid Amin

Post procedural medication and follow-up
/ Teiji Akagi

Long-term complications after PFO closure: case examples and review of the literature
/ Zahid Amin

DISCUSSION
15.10 – 16.20 / ROOM SPEKTRUM

OTHER PFO CLOSURE DEVICES

MODERATORS / Bernhard Meier / Eustaquio Onorato
PANELISTS / Michael Mullen / Kolja Sievert / Nilesh Sutaria

The Occlutech PFO occluder
/ Julian Widder

The IrisFit PFO occluder
/ Marius Hornung

The Ultraspt PFO occluder
/ Jean-Jacques Goy

The PFM PFO occluder
/ Philipp Lurz

The new Comed long-tunnel PFO occluder
/ TBD

Suture-based PFO closure
/ Michael Mullen

Bioresorbable devices for PFO closure
/ Kolja Sievert

DISCUSSION

16.20 – 16.50 / EXHIBITION AREA

TEA AND COFFEE BREAK

WE WANT TO HEAR YOUR OPINION!
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HOW TO SELECT APPROPRIATE PATIENTS AND HOW TO BUILD A PFO PROGRAM

MODERATORS / Bernhard Meier / Michael Hennerici
PANELISTS / Franz Kleber / Eustaquio Onorato

LIVE CASES
from CardioVascular Center Frankfurt CVC, Germany

Guidelines in Europe, the US and around the world
/ Franz Kleber

What is the RoPE score and does it help?
/ Michael Hennerici

What are effective and appropriate means to educate referring colleagues and patients?
/ Eustaquio Onorato

How to convince payers? Can PFO closure be cost effective?
/ John Carroll

DISCUSSION

CLOSING REMARKS
/ Bernhard Meier
Todd Brinton, MD

Balloon-based lithotripsy of aortic valve
INNOVATION
CSI FOCUS
07.00 – 08.00 / EXHIBITION AREA

BREAKFAST

08.30 – 08.40 / ROOM FANTASIE

WELCOME AND INTRODUCTION
/ Sameer Gafoor / Todd Brinton

08.40 – 08.50 / ROOM FANTASIE

INNOVATION LECTURE: STATE OF CARDIOVASCULAR INNOVATION IN 2017
/ Yuval Binur

08.50 – 09.50 / ROOM FANTASIE

FINDING AND ASSESSING A NEED
MODERATOR / Sameer Gafoor
FACILITATOR / Kate Marshall

What is a need and how do I characterize it?
/ Todd Brinton

How do I choose and react to clinical advisors
/ Howard Levin

How do I do a market assessment and gap analysis
/ Hanson Gifford

Making a map for early concept generation
/ Todd Brinton

Discussion and war stories
/ Todd Brinton / Hanson Gifford / Howard Levin / Tor Peters

DISCUSSION
EARLY CONCEPT GENERATION: PROTOTYPES, IP AND ITERATION

MODERATOR / Sameer Gafoor
FACILITATOR / Hanson Gifford

Concept generation, brainstorming, and embodiment
/ Hanson Gifford

How do I fix something that isn’t working well?
/ Howard Levin

It’s a good need — but a bad device. When do I start over?
/ Stan Rabinovich

How do I track what I invent?
/ Jim Shay

How do I protect what I invent globally?
/ Jim Shay

Discussion and war stories
/ Jim Shay / Hanson Gifford / Howard Levin / Alex Khairkahan / Stan Rabinovich

TEA AND COFFEE BREAK
FEASIBILITY ASSESSMENT AND PRECLINICAL TRIALS

MODERATOR / Todd Brinton
FACILITATORS / Sameer Gafoor / Aloke Finn

Feasibility: building value and reducing risk
/ Santosh Prabhu

Methods for feasibility assessment: in vivo, in vitro, and in virtual
/ Aloke Finn

Value of histopathology in feasibility assessment
/ Laurence Fiette

Synchronizing clinical and R&D timelines
/ Todd Brinton

Discussion and war stories
/ Santosh Prabhu / Hanson Gifford / Laurence Fiett / Aloke Finn

DISCUSSION

12.30 – 13.30 / EXHIBITION AREA

NETWORKING LUNCH
13.30 – 14.30 / ROOM FANTASIE

REGULATORY ENVIRONMENTS
MODERATOR / Sameer Gafoor
FACILITATOR / Kathleen A. Marshall

Current state of European regulatory environment
/ Autumn Lang

Current state of US/FDA regulatory environment
/ Kathleen A. Marshall

Discussion: viewpoint on global venue options
/ Yuval Binur / Jeffrey Jump / Georg Matheis / Autumn Lang / Carlos Granada

14.30 – 15.30 / ROOM FANTASIE

EARLY IMPLEMENTATION PLANNING: OPERATIONAL PLAN, FUNDING, MILESTONES
MODERATOR / Yuval Binur
FACILITATOR / Sameer Gafoor

Are you better off being a project or a company?
/ Kathleen A. Marshall

How to give an effective operational plan
/ Ronald J. Solar

How to sell your idea and create an effective pitch
/ Georg Matheis

Discussion and war stories
/ Georg Matheis / Kathleen A. Marshall / Martyn Thomas / Yuval Binur

Transition from clinician to corporate VP Medical Affairs
/ Martyn Thomas
15.30 – 16.40 / ROOM FANTASIE

RUNNING A STARTUP COMPANY

MODERATOR / Todd Brinton
FACILITATOR / Sameer Gafoor

Roles needed within a startup
/ Alex Khairkhahan

Assembling a company, board, and advisors
/ Kathleen A. Marshall

Is there a perfect board?
/ Jeffrey Jump

Financing: equity, notes, debt, grants, nondelusional capital
/ Andrew ElBardissi

How to sell medical devices in the Antarctic?
/ Shakeel Osman

Discussion and war stories
/ Ronald J. Solar / Alex Khairkhahan / Andrew ElBardissi / Jeff Jump
/ Tor Peters / Yuval Binur

DISCUSSION

16.40 – 17.00 / ROOM FANTASIE

CONCLUDING REMARKS

/ Sameer Gafoor / Todd Brinton

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Protecting the Brain While Treating the Heart

TriGuard™ Cerebral Embolic Protection by Keystone Heart

Designed to reduce CNS infraction rate and reduce the total volume of new brain lesions.

The only device designed to provide full coverage of all brain territories without the need for third access site during TAVI.

Protecting All Three Cerebral Branches Has Been Shown To...

- Reduced VARC 2 Defined Stroke (0% vs. 6.0%, p=0.05)
- Reduced Worsening NIHSS With DW-MRI Lesions (0% vs. 19%, p=0.002)
- Higher Absence of CNS Infarction (28% vs. 8%, p=0.008)
- Reduced Total Lesion Volume Compared to No Protection (101.4mm³ vs. 174.0mm³, p=0.04)


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The CE marked TriGuard™ Cerebral Protection Device is not commercially available in the USA. In the USA, TriGuard™ Cerebral Protection Device is available for investigative use only through the REFLECT Trial.
JUNE 29, 2017
PROGRAM
07.00 – 08.00 / EXHIBITION AREA

BREAKFAST

07.00 – 08.00 / EXHIBITION AREA

ABSTRACT ORAL SESSION

MODERATORS / Yat-Yin Lam / Teiji Akagi

True to false lumen implantation of endovascular graft in type B aortic dissection, rescued by puncturing the false lumen with Brockenbrough needle and implantation of another graft overlapping the first
/ Pavan Rasalkar

Transcatheter occlusion of sinus venous atrial septal defect — New therapeutic option?
/ Francisco Chamie

Unusual complication of fontan circulation — Successful percutaneous closure of fistula between extracardiac tunnel and coronary sinus
/ Jacek Kusa

Intraoperative coronary obstruction undergoing transcatheter aortic valve replacement
/ Xianbao Liu

A challenging TAVI case
/ Jianfang Luo

DISCUSSION

08.00 – 08.10 / MAIN ARENA HARMONIE

WELCOME AND INTRODUCTION

/ Shakeel A. Qureshi / Mario Carminati / Horst Sievert

WE WANT TO HEAR YOUR OPINION!

Please complete our survey:
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LIVE CASES AND WHAT’S NEW
MODERATORS / Shakeel A. Qureshi / Mario Carminati / Adam Greenbaum
LIVE CENTER COORDINATOR / John Thomson

LIVE CASES
from the Madras Medical Mission, Chennai, India

The Harpoon device for mitral chordae replacement: results of the FIM trial
/ Krysztof Bartus

GORE CARDIOFORM ASD occluder
/ John Thomson

They called me the “Poking man”
/ Adam Greenbaum

Percutaneous treatment of cardiac tumors
/ Krzysztof Kaczmarek

Percutaneous tricuspid valve implantation
/ Samir Kapadia

A novel transcatheter prosthesis for the treatment of severe and massive tricuspid valve insufficiency
/ Christian Schlensak

Transvalvular lithotripsy for aortic leaflet restoration — First in man results
/ Todd Brinton

The Venibri valve
/ Jian’An Wang

The MANTA closure device
/ Azeem Latib

Percutaneous and non-fluoroscopic procedures for structure heart diseases
/ Xiangbin Pan

Initial results with the Occlutech paravalvular leak device
/ Iqbal Malik

Novel transradial device for intra-aortic embolic deflection
/ Darren Mylotte

DISCUSSION
10.00 – 10.30 / EXHIBITION AREA
TEA AND COFFEE BREAK

10.30 – 12.40 / MAIN ARENA HARMONIE

FOCUS LIVE
LAA CLOSURE
MODERATORS / Peter Sick / Bushra Rana

LIVE CASES
from the CardioVascular Center Frankfurt CVC, Germany

What does “anticoagulation contraindicated” mean in guidelines, clinical trials, package inserts, clinical practice, according to FDA and CMS and according to common sense?
/ Sameer Gafoor

EWOLUTION: 1 year follow-up data
/ Martin Bergmann

Update on other clinical trials: LAA closure and NOACs
/ Stefan Bertog

Advantages and disadvantages of available LAA closure devices
/ Peter Sick

How to close the LAA: my 8 most important advanced tips and tricks for difficult cases
/ Maurice Buchbinder or Stefan Bertog

How to manage complications
/ Martin Bergmann

A case of patch closure of an ASD followed by patch closure of the LAA 14 years later
/ Eleftherios Sideris

The approach challenge
– LAA occlusion should be performed in cases of valve disease or after valve surgery
/ Maurice Buchbinder

DISCUSSION
10.30 – 12.40 / ROOM SPEKTRUM

**FOCUS LIVE**

**TAVI**

**MODERATORS** / Eberhard Grube / Jian’an Wang

**FACILITATORS** / Danny Dvir / Albrecht Roemer

**LIVE CASES**

*from the Rigshospitalet, Copenhagen, Denmark*

- Valve-in-valve
  / Danny Dvir

- TAVI in pure regurgitation
  / Eberhard Grube

- Strategies and considerations for bicuspid aortic valves
  / Mao Chen

- Predictors of need for permanent pacemaker — When to use a temporary or permanent pacemaker
  / Stephan Fichtlscherer

- How to mobilize the patients early with a temporary pacemaker — A new approach
  / Albrecht Roemer

- Flow profile of different TAVI valves
  / Jan-Malte Sinning

- Transcaval approach
  / Adam Greenbaum

- Thrombus formation on biological valves: incidence and clinical implications
  / Hasan Jilaihawi

- Reprise 3 & Respond — Update
  / Stephan Kische

**DISCUSSION**
STROKE RISK REDUCTION
in patients with Atrial Fibrillation.¹

Designed to reduce the risk of stroke in AF patients with a contraindication to OACs.⁴

Visit us at booth #2

ST. JUDE MEDICAL IS NOW ABBOTT


⁴ Refers to an absolute or long-term contraindication to OACs.

Brief Summary: Prior to using these devices, please review the Instructions for Use for a complete listing of indications, contraindications, warnings, precautions, potential adverse events and directions for use.

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EM-EUPCR-0317-0005a | Item approved for international use only.
SEMINAR
INTERVENTIONS FOR DUCT-DEPENDENT PULMONARY CIRCULATION

MOdERATORS / Do Nguyen Tin / Dietmar Schranz
FACILITATORS / Gareth Morgan / Martin Schneider

Assessment of PDA prior to stenting with echo, CT, MRI
/ Kuberan Pusparajah

Vascular access for duct stenting
/ John Thomson

Stenting ducts in dual pulmonary blood supply
/ Martin Schneider

Stenting ducts as sole pulmonary blood supply
/ Do Nguyen Tin

Complications of PDA stenting
/ Guiseppe Santoro

DISCUSSION
CSI PROGRAM THURSDAY

11.35 – 12.40 / ROOM FANTASIE

SEMINAR
STENT TECHNOLOGIES
MODERATORS / John Thomson / Felix Berger
FACILITATORS / Peter Zartner / Daniel Tanase

Bare metal stents
/ Felix Berger

Covered stents
/ Joseph DeGiovanni

Growth stents
/ Martin Schneider

Is there a role of self-expandable stents in coarctation
/ Peter Zartner

Biodegradable stents
/ Maarten Witsenburg

How to crack stents
/ Daniel Tanase

DISCUSSION

12.45 – 14.25 / MAIN ARENA HARMONIE

LIVE ONLY 1
MODERATORS / Eberhard Grube / James Lock
LIVE CENTER COORDINATOR / Allison Cabalka

LIVE CASES
from the Madras Medical Mission, Chennai, India
and the CardioVascular Center Frankfurt CVC, Germany

DISCUSSION
SEMINAR
INTERVENTIONS FOR DUCT-DEPENDENT SYSTEMIC CIRCULATION

MODERATORS / Dietmar Schranz / Teiji Akagi
FACILITATORS / Ina Michel-Behnke / Gareth Morgan

HLHS: the Giessen way
/ Dietmar Schranz

Extended hybrid for complex aortic arch obstruction
/ Gareth Morgan

Self-expanding vs. balloon-expandable stents
/ Ina Michel-Behnke

Who needs hybrid anyway: Japanese concept of longer medical treatment
/ Teiji Akagi

Borderline LVs – Can they support systemic circulation
/ Shakeel A. Qureshi

Fate of branch PAs related to PA banding
/ Hakan Akintuerk

DISCUSSION
SEMINAR
MITRAL VALVE REPAIR
PART 1: LEAFLET CLIP/REPAIR

MODERATORS / Ted Feldman / Anthony Nobles
FACILITATORS / Giovanni Speziali / Anthony Nobles

MitraClip: trial update
/ Ted Feldman

Who would not be a candidate for MitraClip?
/ Martin Swaans

Would a clip interfere with mitral valve repair?
A surgeon’s perspective
/ Anton Moritz

MitraClip challenges, tips and tricks
/ Mamta Buch

How to surgically implant new mitral chords
/ Anton Moritz

NeoChord
/ Giovanni Speziali

Harpoon
/ Krzysztof Bartus

HeartStitch
/ Anthony Nobles

DISCUSSION
FOCUS LIVE
PDA CLOSURE

MODERATORS / Omar Galal / Franz Freudenthal / Shakeel A. Qureshi

LIVE CASES
from the Madras Medical Mission, Chennai, India

Closing PDA in small babies
/ Guiseppe Santoro

Large PDA and pulmonary hypertension
/ Franz Freudenthal

Device selection according to PDA size/morphology
/ Nicolaus Haas

When is a PDA too small to require closure?
/ Omar Galal

Management of complications
/ Do Nguyen Tin

Setting up a program for closing PDAs in preterm babies
/ Neil Wilson

DISCUSSION
SEMINAR
STENTING RVOT IN TETRALOGY OF FALLOT AND RELATED PATHOLOGY

MODERATORS / Gianfranco Butera / Kevin P. Walsh
FACILITATORS / Joseph DeGiovanni / Oliver Stumper

Techniques of RVOT stenting
/ Younes Boudjemline

PA growth following stenting of the RVOT
/ Gareth Morgan

Techniques of surgical repair of the RVOT
/ Alessandro Frigiola

Results of RVOT stenting
/ Oliver Stumper

Complications of RVOT stenting
/ Joseph DeGiovanni

DISCUSSION

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SEMINAR
MITRAL VALVE REPAIR
PART 2: ANNULAR AND VENTRICULAR REMODELING

Moderators / Carlos Ruiz / Eberhard Grube
Facilitators / Stephan von Bardeleben / Christian Butter

What is functional mitral regurgitation (FMR)?
/ Mark Reisman

Edwards Cardioband mitral valve repair
/ Robert Schueler

Mitralign
/ Azeem Latib

Middle Peak Medical
/ Alex Khairkhahan

Millipede
/ Eberhard Grube

Cardiac Implant Complete Ring
/ Carlos Ruiz

Ancora annuloplasty system
/ Christian Butter

MVRx
/ Bernard Prendergast

VenTouch® System, a mechanic-focused FMR solution
/ Jim Buck

Combined procedures are the future! A case example of Carillon plus NeoChord
/ Stephan von Bardeleben

Discussion
16.15 – 16.45 / EXHIBITION AREA

TEA AND COFFEE BREAK

16.45 – 18.30 / MAIN ARENA HARMONIE

LIVE ONLY 2
MODERATORS / Antonio Colombo / Eberhard Grube
LIVE CENTER COORDINATOR / Allison Cabalka

LIVE CASES
from the Rigshospitalet, Copenhagen, Denmark
and the CardioVascular Center Frankfurt CVC, Germany

DISCUSSION
16.45 – 18.30 / ROOM SPEKTRUM

FOCUS LIVE
CORONARY ARTERY FISTULAS – IMAGING AND TREATMENT TECHNIQUES

MODERATORS / Gurleen Sharland / Bharat Dalvi / James Lock
FACILITATORS / Worakan Promphan / Kolja Sievert
LIVE CENTER COORDINATOR / Shakeel A. Qureshi

LIVE CASES
from the Madras Medical Mission, Chennai, India

Progression of prenatally detected coronary artery fistulas in the fetus / Gurleen Sharland
The natural history of coronary artery fistulas / James Lock
Imaging and 3D printing in planning interventions / Israel Valverde
Coronary artery fistulas – When to close and when not to close? / Bharat Dalvi
Dealing with complex fistulas with aneurysms / Worakan Promphan
Long-term follow up and complications of closing coronary fistulas / Shakeel A. Qureshi

DISCUSSION
Indication for treating asymptomatic coarctation with controlled hypertension
/Alessandra Frigiola

CT/MRI imaging prior to interventions
/Sujeev Mathur

3D rotational angiography
/Gregor Krings

Stenting in aortic coarctation — Bare versus covered
/Gianfranco Butera

Dealing with covering of neck vessels by stents
/Marc Gewillig

Long term results of stenting — Is the problem of hypertension solved?
/John Thomson

Complications of stents — Early and long term
/Joseph DeGiovanni
JUNE 30, 2017
PROGRAM
07.00 – 08.00 / EXHIBITION AREA
BREACKFAST

07.00 – 08.00 / EXHIBITION AREA / 2nd FLOOR

MODERATED E-POSTER SESSION

Septal defects
MODERATORS / Rafael Hirsch / John Carroll

Pulmonary circulation
MODERATORS / Stefan Bertog / Jennifer Franke / Matthew Daniels

Valves
MODERATORS / Nalan Schnelle / Marius Hornung

Various topics
MODERATORS / Allison Cabalka / Marc Gewillig

Coarctation and ducts
MODERATORS / Simon Lam / Gareth Morgan

DISCUSSION

WE WANT TO HEAR YOUR OPINION!

Please complete our survey:
www.csi-congress.org/evaluation
08.00 – 09.30 / MAIN ARENA HARMONIE

LIVE ONLY 3
MODERATORS / Shakeel A. Qureshi / James Lock / Gregor Krings
LIVE CENTER COORDINATOR / Sameer Gafoor

LIVE CASES
from the I.R.C.C.S. Policlinico San Donato, Milan, Italy
and Erasmus Medical Center (MC), Rotterdam, The Netherlands

DISCUSSION

09.30 – 10.00 / MAIN ARENA HARMONIE

INTERVIEW
WITH JAMES LOCK
MODERATORS / Bharat Dalvi / Shakeel A. Qureshi

10.00 – 10.30 / EXHIBITION AREA

TEA AND COFFEE BREAK
SEMINAR
CHALLENGES WITH TAVI

MODERATORS / Danny Dvir / Nalan Schnelle / Azeem Latib

New standards for assessing neurologic damage in CV clinical trials
/ Andreas Baumbach

Can we calculate the cost benefit ratio of embolic protection?
/ Torsten Vahl

Claret
/ Jochen Woehrle

Keystone Heart
/ Azeem Latib

Emboline
/ Amir Belson

Bicuspid and heavily calcified aortic valves: experience with the Venus valve
/ Guangyuan Song

Should we worry about transcatheter heart valve durability?
/ Danny Dvir

Valve in valve implantations: important lessons from bench to bedside
/ Danny Dvir

The valve has embolized — Now what?
/ Bernard Reimers

More than mild regurgitation after TAVI: assessment and management
/ Antonio Colombo

TransGlide Mesh — A new technology to prevent access complications
/ Stefan Toggweiler

Coronary protection: bailout, my successes and failures
/ Hasan Jilaihawi

The Hildick-Smith debate featuring Martyn Thomas
— The future of TAVI is self-expanding!
/ Martyn Thomas
— The future of TAVI is balloon expandable!
/ Martyn Thomas

DISCUSSION
FOCUS LIVE
ASD CLOSURE

MODERATORS / Bharat Dalvi / Worakan Promphan
FACILITATORS / Martin Witsenburg / Daniel Tanase
LIVE CENTER COORDINATOR / Stefan Bertog

LIVE CASES
from the CardioVascular Center Frankfurt CVC, Germany

ASDs in elderly
/ Martin Witsenburg

ASD and pulmonary hypertension: which came first and how to deal with it?
/ Bharat Dalvi

Debate
Can we predict erosion?
– Yes, we can!
/ Zahid Amin
– No, we can not!
/ Bharat Dalvi

Early and follow up complications
/ Teiji Akagi

Retrieval of embolized “difficult” ASD devices: lessons learned from animal tests
/ Daniel Tanase

The Occlutech ASD occluder
/ Nicolaus Haas

CARAG: biodegradable device
/ Kolja Sievert

Suture based closure
/ Anthony Nobles

Catheter closure of sinus venosus type ASD
/ Kothadam Sivakumar

DISCUSSION
SEMINAR
UPDATE ON ESTABLISHED AND UPCOMING LAA CLOSURE DEVICES

MODERATORS / Peter Sick / Yat-Yin Lam / Eleftherios Sideris
FACILITATOR / Timo Weimar

Amulet in difficult anatomies
/ Peter Sick

WATCHMAN in difficult anatomies
/ Marcus Sandri

Prolipsis
/ Eleftherios Sideris

Occlutech LAA device
/ Ulf Landmesser

Ultraseal
/ Carmello Grasso

LARIAT
/ Thomas Deneke

Atriclip
/ Timo Weimar

DISCUSSION
12.45 – 14.25 / MAIN ARENA HARMONIE

**LIVE ONLY 4**
MODERATORS / Allison Cabalka / Antonio Colombo / Gregor Krings
LIVE CENTER COORDINATOR / Gareth Morgan

**LIVE CASES**
From the I.R.C.C.S. Policlinico San Donato, Milan, Italy and the Barts Heart Centre, London, UK

**DISCUSSION**

12.45 – 14.25 / ROOM SPEKTRUM

**FOCUS LIVE**
LAA CLOSURE WITH THE NEW LAMBRE OCCLUDER
Supported by Lifetech with an unrestricted grant

MODERATORS / Reda Ibrahim / Yat-Yin Lam / Bushra Rana
LIVE CENTER COORDINATOR / Ignacio Cruz-Gonzalez

Why was the LAmbre device designed as it is and what are the advantages compared to other devices
/ Yat-Yin Lam

LAA closure with the LAmbre occluder step by step – What is different from other occluders?
/ Kars Neven

**LIVE CASES**
From the CardioVascular Center Frankfurt CVC, Germany

Introduction to the LAmbre post marketing trial
/ Horst Sievert

Challenging case
/ Ignacio Cruz-Gonzalez

Challenging case
/ Marcin Demkow

**DISCUSSION**
SEMINAR
HEART FAILURE INTERVENTIONS
PART 1: INTERVENTIONAL MONITORING DEVICES AND MINIMAL INVASIVE TREATMENT OPTIONS FOR PATIENTS WITH LV ANEURYSMS

MODERATORS / Martin Swaans / Ulrich Schaefer
FACILITATORS / Sebastian Reith

Interventional monitoring devices
- Vectorious / Ulrich Schaefer
- Cardiomems / Mark Petrie

Minimal invasive treatment options for patients with LV aneurysms: concept and recent data
- Parachute: patient selection and results / Sebastian Reith
- Parachute recorded case / Sebastian Reith
- How to do the Revivent procedure / Martin Swaans
- Patient selection and imaging guidance for the Revivent procedure / Martin Swaans

DISCUSSION
SEMINAR
TRANSSEPTAL PUNCTURE

MODERATORS / Habib Gamra / Samir Kapadia
FACILITATORS / Sameer Gafoor / Stefan Bertog

Various fluoro guided techniques for transseptal puncture –
Tips and tricks
/ Habib Gamra

TEE and ICE guided transseptal puncture: how and where to
puncture for which indication
/ Stefan Bertog

Transseptal puncture guided by Echonavigator
/ Sameer Gafoor

Devices for transseptal puncture
– Radiofrequency
/ Stefan Bertog

– … Kapsus TSP, a novel device for transseptal punctures
/ Samir Kapadia

– Superior transeptal access
/ TBD

Management of complications
/ Purshotam Lal

DISCUSSION
FOCUS LIVE
STENTING PULMONARY ARTERIES

MODERATORS / Gregor Krings / Martin Schneider
LIVE CENTER COORDINATOR / Allison Cabalka

LIVE CASES
from the I.R.C.C.S. Policlinico San Donato, Milan, Italy

3DRA vs conventional angiography
/ Gregor Krings

Bifurcation stenosis
/ Oliver Stumper

Small pulmonary artery branches: Angioplasty? Cutting balloons? Stents?
/ Marc Gewillig

Special techniques for stent deployment
/ Martin Schneider

Complications of PA stenting
/ Ingo Daehnert

DISCUSSION
SEMINAR
FROM FETUS TO ADULT – COARCTATION
MODERATORS / Gurleen Sharland / Omar Galal
FACILITATORS / Peter Zartner / Boulos Asfour

Prenatal diagnosis – Can we diagnose with confidence?
/ Gurleen Sharland

Alternatives to surgery in infants
/ Omar Galal

Benefits and limitations of stents in small children
/ Peter Zartner

Are there any adult coarctations which should be referred for surgery?
/ Boulos Asfour

How should coarctation stents be followed up – MRI or CT?
/ Sujeev Mathur

Long term results of angioplasty and stenting
/ Mario Carminati

DISCUSSION
SEMESTER
HEART FAILURE INTERVENTIONS
PART 2: INTERATRIAL SHUNTS AND NEW CONCEPTS

MODERATORS / Ted Feldman / Dietmar Schranz / Jan Otto Solem
FACILITATORS / Finn Gustafsson / Nikolaus Haas

Magnitude of the problem of HF in patients with EF > 40% for clinicians and patients
/ Mark Petrie

Potential benefits and risks of interatrial shunts in left heart failure
/ Finn Gustafsson

Potential benefits and risks of interatrial shunts in patients with primary pulmonary hypertension
/ Graham Derrick

Ballooning and stenting
/ Dietmar Schranz

Corvia
/ Ted Feldman

AFR
/ Nikolaus Haas

Changing the way you look at cardiac pumping – Common misconceptions and new findings on longitudinal function
/ Marcus Carlsson

Synergio – A novel concept for long term cardiac assist
/ Jan Otto Solem

DISCUSSION
14.30 – 16.05 / ROOM CONCLUSIO

**SEMINAR**

**HOW TO DO ICE: CASE-BASED LECTURES**

MODERATORS / John Carroll / Sergio Berti

ICE for TAVI
/ Thomas Bartel

ICE for mitral valve repair
/ Thomas Bartel

ICE for tricuspid valve repair with 4Tech system
/ Paolo Denti

ICE for PFO/ASD closure
/ Mark Turner

ICE for LAA closure
/ Sergio Berti

ICE in PVL
/ Matthew Daniels

How 3D ICE improved my procedural guidance
/ TBD

**DISCUSSION**

16.05 – 16.35 / EXHIBITION AREA

**TEA AND COFFEE BREAK**
16.35 – 18.35 / MAIN ARENA HARMONIE

LIVE ONLY 5
MODERATOR / Shakeel A. Qureshi
LIVE CENTER COORDINATOR / Martin Swaans

LIVE CASES
from the CardioVascular Center Frankfurt CVC, Germany
and the Barts Heart Centre, London, UK

DISCUSSION
SEMESTER
MITRAL VALVE REPLACEMENT

MODERATORS / Eberhard Grube / Marty Thomas / Vaikom Mahadevan
FACILITATOR / Danny Dvir

Anatomical and technical challenges of minimally invasive mitral valve replacement
/ Ted Feldman

Mitral valve in valve: update
/ Danny Dvir

Mitral valve in ring: update
/ Martyn Thomas

Mitral valve in native valves: update
/ Vaikom Mahadevan

Dedicated mitral valve devices

- Tiara
  / Shmuel Banai
- Intrepid
  / Hendrick Treede
- Tendyne
  / Gry Dahle
- M-valve Lotus
  / Maurice Buchbinder
- Cephea
  / Ted Feldman
- NaviGate
  / Samir Kapadia

DISCUSSION
16.35 – 18.35 / ROOM FANTASIE

SEMINAR
INTERVENTIONS IN PULMONARY HYPERTENSION

MODERATORS / Eustaquio Onorato / Dietmar Schranz
FACILITATORS / Graham Derrick / Ingo Daehnert

Monitoring devices: do they work in pulmonary hypertension?
Review of the literature
/ Sameer Gafoor

Atrial septostomy, balloon, stent
/ Graham Derrick

Fenestrated occluders for atrial fenestration: rationale, technology, results
/ Eustaquio Onorato

VSD creation
/ Ingo Daehnert

Transcatheter reverse Potts
/ Dietmar Schranz

Surgery for chronic thromboembolic pulmonary hypertension
/ Stefan Guth

Pulmonary angioplasty for chronic thromboembolic pulmonary hypertension
/ Irene Lang

Pulmonary artery denervation
/ Boris Rudenko

DISCUSSION
16.35 – 18.35 / ROOM CONCLUSIO

**PICES BREAKOUT SESSION**

**MODERATORS** / Gareth Morgan / Jeff Zampi

PICES activity 2016 – 2017
/ Gareth Morgan

PICES research update
/ Jeff Zampi

**Debate: the future of interventional imaging**

– Pros and cons of MRI guided intervention –
  Light at the end of the tunnel or still groping in the dark
  / Tarique Husain

– Cath lab conundrum: case presentations
  / PICES members

**DISCUSSION**

19.30 – 23.00

**SOCIAL DINNER**

AT ALEX FRANKFURT SKYLINE PLAZA

Meetingpoint: 19.00 in front of the entrance of the congress center

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JULY 1, 2017
PROGRAM
07.00 – 08.00 / EXHIBITION AREA

BREAKFAST

07.00 – 08.00 / MAIN ARENA HARMONIE

SEMINAR
NEIL WILSON’S CHALLENGING CASES

MODERATOR / Shakeel A. Qureshi

Crumpled sheath dilator caused catastrophic event during paravalvular leakage closure after TAVR with tortuous aorta
/ Hidehiko Hara

Double snare technique for retrieval of nitinol wire mesh devices
/ Jae Young Choi

Cardiac rupture after ASD device closure
/ Sedigheh Saedi

Blockbuster balloon bombshell
/ Jenny Zablah-Rodriguez

DISCUSSION

WE WANT TO HEAR YOUR OPINION!

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08.00 – 10.10 / MAIN ARENA HARMONIE

LIVE ONLY 6
MODERATORS / Gianfranco Butera / Worakan Promphan
LIVE CENTER COORDINATOR / Sameer Gafoor

LIVE CASES
University Hospitals of Leicester, Leicester, UK
and the Hammersmith Hospital, London, UK

DISCUSSION

08.00 – 10.10 / ROOM SPEKTRUM

FOCUS LIVE
MITRACLIP
MODERATORS / Ted Feldman / Bushra Rana
FACILITATORS / Mamta Buch / Stefan Bertog
LIVE CENTER COORDINATOR / Kolja Sievert

LIVE CASES
from the Cedars Sinai Medical Center, Los Angeles, USA

Results of Mitraclip for functional mitral regurgitation
/ Ted Feldman

Results of Mitraclip for mitral regurgitation in prolapse
/ Mamta Buch

What Mitraclip can’t treat
/ Stephan von Bardeleben

Emergency Mitraclip procedure: who benefits?
/ Karl-Heinz Kuck

Benefits of the new Mitraclip NT
/ Antonio Colombo

Complications of Mitraclip
/ Martin Swaans

DISCUSSION
SEMINAR
PULMONARY VALVE IMPLANTATION

MODERATORS / Shakeel A. Qureshi / Oliver Stumper
FACILITATORS / Allison Cabalka / Gareth Morgan

Challenges of percutaneous pulmonary valve implantation
/ Shakeel A. Qureshi

Timing of percutaneous pulmonary valve implantation – Are the current guidelines adequate?
/ Gareth Morgan

Medtronic Harmony
/ Allison Cabalka

Venus P-Valve
/ Shakeel A. Qureshi

Edwards pulmonary valve
/ Zahid Amin

Other percutaneous pulmonary valves in the pipeline
/ Gareth Morgan

Other options for large native RVOTs
/ Shakeel A. Qureshi

Medium to long term data with the different pulmonary valves
/ Johannes Nordmeyer

Endocarditis on implantable valve
/ Marc Gewillig

Computational simulation for pulmonary valve implantation
/ Francesca Pluchinotta

How to manage complications
/ Zahid Amin

DISCUSSION
10.10 – 10.40 / EXHIBITION AREA

TEA AND COFFEE BREAK

10.40 – 13.05 / MAIN ARENA HARMONIE

FOCUS LIVE
VSD CLOSURE

MODERATORS / Tin Do Nguyen / Worakan Promphan / Bharat Dalvi
LIVE CENTER COORDINATOR / Jennifer Franke

LIVE AND/OR RECORDED CASES
from CardioVascular Center Frankfurt CVC, Germany

Imaging VSDs: good vs poor candidates for device closure
/ Carmelo Arcidiacono

Matching devices to defect size/morphology
/ Tin Do Nguyen

Hybrid approach
/ Martin Schneider

Residual post-op VSDs
/ Gianfranco Butera

Post MI VSDs
/ Purshotam Lal

Complications of VSD closure
/ Worakan Promphan

Challenges of percutaneous perimembranous VSD closure and Le coil solutions
/ Ender Oedemis

The approach challenge
– Small VSDs should be closed!
/ Bharat Dalvi

CHALLENGERS / Gareth Morgan / Shakeel A. Qureshi

DISCUSSION
SEMINEAR
ACCESS TO THE HEART
TRANSSEPTAL, PERICARDIAL,
TRANSHEPATIC, AORTIC,
TRANSAPICAL ACCESS
MODERATORS / Iqbal Malik / Adam Greenbaum
FACILITATORS / Anthony Nobles / Kolja Sievert

Femoral access in children: how to make it safer
/ Mark Turner

Femoral access in the elderly: how to make it safe
/ Iqbal Malik

Transseptal
/ Ted Feldman

Transhepatic
/ Zahid Amin

Transvenous to aorta
/ Adam Greenbaum

Percutaneous transapical
/ Kothandam Sivakumar

Carotid
/ Marc Gewillig

Pericardial
/ Krzysztof Bartus

Surgical approaches (transapical, transaortic, transatrial, subclavian)
/ Thomas Walther

Right atrium – Pericardial space
/ Adam Greenbaum

HeartStitch TA opening and closure device
/ Anthony Nobles

Percutaneous subclavian arterial access
/ Karl-Heinz Kuck

DISCUSSION
SEMINAR
TRICUSPID REPAIR AND REPLACEMENT

MODERATORS / Eberhard Grube / John Thomson / Allison Cabalka
FACILITATORS / Simon Lam / Gry Dahle

Morphology of the tricuspid valve
/ Karen McCarthy

Pathophysiology of tricuspid valve regurgitation
/ Gry Dahle

How to evaluate tricuspid regurgitation — Implications for clinical follow-up and trial design
/ Christoph Hammerstingl

Tricuspid valve repair: concept, case example and predictors of success with:
  – Cardioband
    / Karl-Heinz Kuck
  – Trialign
    / Azeem Latib
  – Forma
    / Karl-Heinz Kuck
  – 4Tech
    / Paolo Denti
  – MitraClip
    / Stephan von Bardeleben

Valves in IVC and SVC
/ Alexander Lauten

Other tricuspid valve repair techniques in the pipeline
/ Simon Lam

Tricuspid valve in valve and valve in ring: how to do it, tips and tricks and device specific limitations
  – How to implant the Medtronic valve in the tricuspid position
    / Allison Cabalka
  – How to implant the Edwards valve in the tricuspid position
    / Michael Mullen

Acute and late results of bioprosthesis valve in valve:
(Melody & Sapien)?
/ John Thomson
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PMA approval received January 27, 2016 (P140017).

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13.10 – 15.10 / MAIN ARENA HARMONIE

LIVE ONLY 7

MODERATORS / Shakeel A. Qureshi / Gareth Morgan
LIVE CENTER COORDINATOR / Simon Lam

LIVE CASES

from the Cedars Sinai Medical Center, Los Angeles, USA
and the Hammersmith Hospital, London, UK

DISCUSSION
FOCUS LIVE
PARAVALVAR LEAK

MODERATORS / Martin Swaans / Kothandam Sivakumarn
FACILITATORS / Kolja Sievert / Ted Feldman
LIVE CENTER COORDINATOR / Sameer Gafoor

LIVE CASES
from the CardioVascular Center Frankfurt CVC, Germany

Case examples of periprocedure echo guidance
/ Martin Swaans

Surgical repair of paraavalvar leaks: why you shouldn’t do it!
/ Ted Feldman

Preferred devices for paraavalvar leak closure and why
/ Kothandam Sivakumar

Outcomes in paraavalvar leak closure
/ Rafael Hirsch

Paraavalvar leak after TAVI
/ Sameer Gafoor

Exotic case examples
– Case 1: always acquire pivot view before releasing a device
/ Rafael Hirsch
– Case 2: surprise, surprise …
/ Kolja Sievert

DISCUSSION
13.10 – 15.10 / ROOM FANTASIE

SEMINAR
HEMODYNAMICS FOR INTERVENTIONALISTS

MODERATORS / Bushra Rana / Gareth Morgan
FACILITATORS / Sujeey Mathur / Tarigue Husain

Do we always need to assess hemodynamics during structural intervention?
/ Matthew Daniels

Hi Fidelity systems and conductance catheters? Unreliable gimmicks or high-end discriminators?
/ Gareth Morgan

MRI and Hybrid MRI Caths – The modern approach?
/ Tarique Husain

What can high-end ECHO modalities add to our decision making?
/ Bushra Rana

DISCUSSION

15.10 – 15.40 / EXHIBITION AREA

TEA AND COFFEE BREAK

15.40 – 18.00 / MAIN ARENA HARMONIE

LIVE ONLY 8

MODERATORS / Shakeel A. Qureshi / Sameer Gafoor
LIVE CENTER COORDINATOR / Simon Lam

LIVE CASES
from the CardioVascular Center Frankfurt CVC, Germany and the University Hospitals of Leicester, Leicester, UK

DISCUSSION
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CSI 2017
SCIENTIFIC ABSTRACTS
CSI 2017
ABSTRACTS AND CASES

On the following pages you will find a summary of the abstracts and cases that were accepted for CSI 2017.

The moderated e-poster session will take place Friday, June 30, 2017 from 7.00 – 8.00 on the second floor.

All abstracts and cases are available for download on the CSI website: www.csi-congress.org/csi-frankfurt/abstracts-cases
A1 Percutaneous closure of ventricular septal defects in 92 patients: early and midterm results
Khalfan Al Senaidi / Salim Al Maskari / R. Suresh Kumar / Eapen Thomas / Boris Dimitri / Abdullah Al Farqani

A2 Short, intermediate and long term follow up of device closure of atrial septal defect (secundum) cases: fifteen years experience with special reference to complications
Nurun Nahar Fatema Begum

A3 Reduction of radiation exposure in transcatheter atrial septal defect closure: how low should we go?
Sitefane Fidelio / Malekzadeh-Milani Sophie / Ladouceur Magalie / Villemain Olivier / Younes Boudjemline

A4 Midterm follow-up results of transcatheter interatrial septal defect closure
Mehdi Ghaderian / Mohammad Reza Sabri / Ali Reza Ahmadi

A5 Successful catheter treatment by preoperative simulation using 3D organ model for atrial septal defect with dextrocardia and interrupted inferior vena cava to the superior vena cava
Masao Imai / Toshiaki Toyota / Masaharu Yoshida / Naritatsu Saito / Takeshi Kimura

A6 Rare cause of difficult device retrieval of an embolized atrial septal occluder using the double snare technique
Jung-Sun Kim / Choong-Ki Kim / Jae Young Choi

A7 Prevalence and significance of right-to-left shunt in adult patients with atrial septal defect
Koji Nakagawa / Teiji Akagi / Yoichi Takaya / Hiroshi Ito

A8 Plug the VSD-channel despite septal patches and non-trivial anatomy
Christian Schach / Diane Bitzinger / Christof Schmid / Peter Evert / Christoph Birner / Kurt Debl

A9 Functional tricuspid regurgitation after transcatheter closure of atrial septal defect in adult patients: long-term follow-up
Yoichi Takaya / Teiji Akagi / Koji Nakagawa / Hiroshi Ito
A10 Transcatheter closure of patent foramen ovale (PFO) in children – Summary of 10 years of experience in one center
Sebastian Ciemny

A11 Assessment of ventricular function in patients of atrial septal defect by strain imaging before and after correction
Prashant Kumar

A12 Esophageal hematoma following attempt of atrial septal defect closure: a case report
Feridoun Noohi / Bahram Mohebbi / Hosseinali Bassiri / Ahmad Mohebi / Seifollah Abd / Hamidreaz Pouraliakbar / Mohammad Javad Alemzadeh-Ansari

A13 Use of Alteplase for intracardiac thrombus during ASD closure
Maximiliano Otero Lacoste / Luis Luciano / Leandro Waldrich / Roberto Leo da Silva / Luiz Eduardo Koenig Sao Thiago / Luiz Carlos Giuliano

A14 Successful repair of anomalous pulmonary venous connection by catheter intervention
Sedigheh Saedi / Ata Firouzi

A15 Cardiac rupture after ASD device closure
Sedigheh Saedi / Hamid Reza Sanati / Bahram Mohebbi

A16 Percutaneous creation of atrial septal defect (ASD) for left atrial decompression in patients with severe ventricular dysfunction in ECMO
Justo Jose Santiago Pena / Juan Gallego / Javier Castro / Leonardo Blanco / Alvaro Duran / Leonardo Salazar / Igor Donis

A17 Use of Occlutech muscular VSD occluder in congenital cardiac defects
Keyhan Sayadpour Zanjani / Ehsan Aghaei Moghadam

A18 Preliminary safety and closure performance from REDUCE – A randomized PFO closure trial
Lars Sondergaard / Scott E. Kasner / John F. Rhodes / Lars Thomassen

A19 Estimation of size of ASD closure device
Vaibhavi Sonetha / Jayesh Bellare / Bharat Dalvi

A20 Short and intermediate term safety and efficacy of percutaneous device closure for secundum atrial septal defects using Occlutech Figulla® Occluder N
Khaled Refaat Abd El Meguid / Yasser Abd El Hady / Mohamed Medhat Zaki
A21 Transcatheter occlusion of sinus venous atrial septal defect – New therapeutic option?
Francisco Chamie / Renata Pretti / Maximiliano Lacoste

A22 Double snare technique for retrieval of nitinol wire mesh devices
Jae Young Choi / Se Yong Jung / Jung-Sun Kim / Ki Hyun Byun / Teiji Akagi

A23 Is younger the better for remodeling for left atrium and ventricle with transcatheter ASD closure in adult patients regardless of diastolic dysfunction?
Lucy Eun / Eui Young Choi / Young Won Yoon / Jae Young Choi

A24 Atrial septal defect closure (ASD and PFO) without fluoroscopy in both paediatric and adult patients – 17 years of experience
Stephan Schubert / Johannes Nordmeyer / Sven Weber / Bjoern Peters / Felix Berger

A25 Transcatheter device closure of doubly committed ventricular septal defects
Gemma Penford / Tran Cong Bao Phung / Do Nguyen Tin / Le Trong Phi

A26 Transcatheter reconstruction of subaortic ridge with closure of perimembranous subaortic VSD with or without AR
Hussein Abdulwahab M. Abdullah / Hussein Abdulzahra

B1 Single center experience of pulmonary vein stenoses in pediatric patients
Mashail Binobaidan

B2 Y-stenting in complex pulmonary artery bifurcation stenosis
Maartje Conijn / Gregor Krings / Mirella Molenschot / Hans Breur

B3 Acute and long-term efficacy of percutaneous transluminal angioplasty using a peripheral cutting balloon and an ultra high-pressure balloon for peripheral artery stenosis
Kazuto Fujimoto / Masataka Kitano / Masanori Tsukada / Shiraishi Isao

B4 Primary pulmonary choriocarcinoma mimicking chronic thromboembolic pulmonary hypertension: case report
Nayeli Zayas / Claudia Guillen Lopez / Rodrigo Zebadua / Andrea Hernandez / Tomas Púlido Zamudio
C1 A new technique for one-step procedure in pulmonary valve implantation using Melody valve: simultaneous prestenting and Melody valve implantation  
Younes Boudjemline

C2 Balloon dilatation of critical aortic stenosis through ECMO cannula in a neonate  
Christoph Happel / Sebastian Tietge / Philipp Beerbaum

C3 A feasibility study of new self-expandable percutaneous pulmonary valve implantation using knitted nitinol-wire stent mounted with a tri-leaflet porcine pericardial valve  
Gi Beom Kim / Mi-Kyung Song / Eun Jung Bae / Chung II Noh

C4 Accumulated force on sheath dilator caused catastrophic event during paravalvular leakage closure after TAVR with tortuous aorta  
Hidehiko Hara

C5 Percutaneous treatment of severe paravalvular regurgitation after Portico transcatheter aortic valve implantation  
Ana Lopez-Suarez / Ana Manovel / Rosa Cardenal / Jose F. Diaz Fernandez

C6 Acute degree aorto/mitral angle is a predictor of left ventricle perforation in transcatheter aortic valve replacement  
Mohammad El Garhy / Tamer Owais / Juergen Fuchs / Kushtrim Disha / Evaldas Girdauskas / Martin Breuer / Andreas Wagner / Mathias Schreiber / Bernward Lauer / Thomas Kuntze

C7 Successful valve in valve TAVI in pregnancy for severe degenerative bioprosthetic aortic valve stenosis  

C8 Dramatic reversal of ischaemia induced by coronary obstruction due to TAVI skirt by stenting into an angiographically normal coronary artery: when you have to trust the TOE rather than the angiogram  
Sandeep Hothi / Jeffrey Khoo / Johan Bence / David Adlam / Giovanni Mariscalco / Derek Chin / Jan Kovac

C9 Multivalvular heart disease: when transcatheter valve therapy becomes a solution  
Laurent Jamart / Guedes Antoine
C10 Efficacy of intracardiac echocardiography during transcatheter aortic valve implantation: preparation to the local anethesia era in Japan
Akihisa Kataoka / Miho Mitsui / Yusuke Watanabe / Tadanori Harada / Yugo Nara / Fukuko Nagura / Hideyuki Kawashima / Hirofumi Hoki / Makoto Nakashima / Kumiko Konno / Naoyuki Yokoyama / Tomoki Shimokawa / Ken Kazuma

C11 A case of multi-plugging for mitral mechanical paravalvular leakage using echo-navigator
Kwan Yong Lee / Woo-Baek Chung / Yeon Su Kang / Seung Hoon Lee / Byung-Hee Hwang / Ik Jun Choi / Mi-Jeong Kim / Doo Soo Jeon / Hae Ok Jung / Ho-Joong Youn / Kiyuk Chang, Chang / Yoon-Seok Koh

C12 Targeted next-generation sequencing identified ADAMTSS as novel genetic substrate in patients with bicuspid aortic valve
Xiaoping Lin / Xianbao Liu / Lihan Wang / Juba Jiang / Yinghao Sun / Qifeng Zhu / Zexin Chen / Yuxin He / Po Hu / Qiyuan Xu / Feng Gao / Yan Lin / Meixiang Xiang / Jian’an Wang

C13 Intraoperative coronary obstruction undergoing transcatheter aortic valve replacement
Jian’an Wang

C14 Sheathless transcatheter aortic valve implantation with a self-expandable prosthesis
Xianbao Liu / Jian’an Wang

C15 Difficulties to enter into the left ventricle during percutaneous transvenous mitral commissurotomy (PTMC) – Our experiences with 50 challenging cases
Abdul Momen / Mir Jamal Uddin / Sabina Hashem / Naharuma Aive Hyder Chowdhury / Humayun Kabir / Monsurul Haque / Reaz Mahmud Huda / Farzana Sultana

C16 PTMC in a dextrocardia patient – First case report from Bangladesh: innovative technique to cross the difficulties
Abdul Momen / Uddin Mir Jamal / Hashem Sabina / Sakif Shahrier / Naharuma Aive Hyder Chowdhury

C17 Paravalvular leak closure under intracardiac echocardiographic guidance
Neil Ruparelia / Jacob Cao / James Newton / Neil Wilson / Matthew Daniels / Oliver Ormerod

C18 Toolbox – Simultaneous double transseptal access for Cardioband-/and MitraClip implantation for treatment of severe functional mitral regurgitation
Ulrich Schaefer / Lenard Conradi / Johannes Schirmer / Florian Deuschl
C19 Percutaneous interventional treatment of tricuspid bioprosthetic dysfunction: 5 year experience at the National Institute of Cardiology “Ignacio Chavez” in Mexico City, Mexico
Adrian Valdespino-Trejo / Eduardo Arias / Marco Alejandro Solorzano-Vazquez / Felix Damas De los Santos / Marco Antonio Pena-Duque

C20 Novel transradial device for intra-aortic embolic deflection during transcatheter aortic valve implantation
Joeri van Puyvelde / Filip Rega / Renu Virmani / Frank D. Kolodgie / Darren Mylotte / Victor Jimenez

C21 Transcatheter aortic valve implantation in a patient with rheumatic aortic stenosis
Tian-Yuan Xiong / Yuan Feng / Mao Chen

C22 Successful transferal TAVI under local anesthesia for a patient with severe stenosis of bilateral iliac and severe interstitial pneumonia
Mariko Yano / Mizuki Miura / Shinya Ito / Tomohiro Kawaguchi / Takashi Morinaga / Masaomi Hayashi / Akihiro Isotani / Shinichi Kakumoto / Yoshio Arai / Shiraishi Shinichi / Michiya Hanyu / Kenji Ando

C23 Vascular plug occlusion of mitral paravalvular leak in a case of double valve replacement
Parag Barwad / Ashish Tiwari

C24 Looping against TAVI leaks – The hidden hook
Pablo Bazal / Roman Lezaun / Adela Navarro / Elena Escribano / Maite Beunza

C25 A friendly tie on a hard TAVI
Pablo Bazal / Roman Lezaun / Adela Navarro / Elena Escribano

C26 A black percutaneous coronary intervention and transcatheter aortic valve implantation
Chiara Bernelli / Simona Pierini / Maurizio Giovanni Ornaghi / Francesco Gentile

C27 3D guidance of percutaneous pulmonary valve implantation (PPVI) with the use of VesselNavigator
Stephan Schubert / Titus Kuehne / Pawel Dryzek / Tomasz Moszura / Maciej Lukaszewski / Jadwiga Anna Moll / Sarah Nordmeyer / Felix Berger / Sebastian Goreczny
[D] COARCTATION AND DUCTS

D1 Hybrid approach to recoarctation of the aorta in children with hypoplastic left heart syndrome after the Norwood procedure
Tomasz Mroczek / Magdalena Czerzynska / Jacek Kuzma / Julita Sacharczuk / Rafał Zurek / Elżbieta Wojcik / Jerzy Jarosz / Janusz Skalski

D2 Transthoracic echocardiography guidance percutaneous PDA closure in pediatric population
Mashail Binobaidan

D3 Experiences with transcatheter closure of patent ductus arteriosus in premature infants weighting less than 2 kilograms
Jieh-Neng Wang / Yung-Chieh Lin / Min-Ling Hsieh / Jing-Ming Wu

D4 Device induced coarctation post PDA closure
Sherien Abdelsalam Mohamed / Hassan Almeneisi

D5 Patent ductus arteriosus. It is never too late to close it.
Miriam Jimenez / Vicente Alcalde / Joaquin Sanchez / Juan Caballero / Eduardo Moreno Escobar / Jose Antonio Romero / Jose Antonio Ramirez / Gerardo Moreno / Eduardo Molina

D6 Treatment of takayasu arteritis with self-expandable stent
Majed Kanaan / Marinos Kantzis / Eugen Sandica / Deniz Kececioglu

D7 Coarctation angioplasty and stenting in a complicated case
Zahra Khajali / Ata Firoozi / Hamidreza Sanati / Bahram Mohebbi

D8 Self-expandable stent for repairing coarctation of the left-circumferential aortic arch with right-sided descending aorta and aberrant right subclavian artery with Kommerell’s diverticulum
Hamid Reza Sanati / Bahram Mohebbi / Zahra Khajali / Hamidreza Pouraliakbar / Ata Firoozi / Sedigheh Saedi / Mohammad Javad Alemzadeh-Ansari
D9 Transcatheter closure of post-coarctation aneurysm with device occlusion of the ascending and descending aorta in a patient with an extra-anatomic bypass
Angel Sanchez-Recalde / Federico Gutierrez Larraya / Gonzalo Garzon / Enrique Balbacid / Cesar Abelleira / Guillermo Galeote / Santiago Jimenez-Valero / Raul Moreno Gomez

D10 Initial clinical results with the new BeGraft aortic covered stent in coarctation of the aorta
Elchanan Bruckheimer

D11 PDA occlusion: comparison between two new generation nitinol devices
Francisco Chamie / Renata Prettli / Valerio Fuks

[E] VARIOUS TOPICS

E1 First report of transcatheter closure of ruptured sinus of valsalva aneurysm using the Nit-Oclud Le VSD occluder
Lidia Wozniak / Robert Sabiniewicz / Piotr Potaz / Maksymilian Mielczarek / Dariusz Ciecierz

E2 The use of vascular detachable coil for percutaneous closure of iatrogenic aorto-right atrial fistula
Maksymilian Mielczarek / Robert Sabiniewicz / Tomasz Krolak / Lidia Wozniak-Mielczarek / Dariusz Ciecierz

E3 Interventional treatment of a giant carotid artery aneurysm with a Sinus DS ductus stent in a two years old child – Is future stent cracking an option?
Anja Lehner / Silvia Fernandez Rodriguez / Sarah Ulrich / Fischer Markus / Robert Dalla Pozza / Nikolaus Haas

E4 Outcomes of modified Blalock-Taussig shunts performed in the neonatal period: a single centre experience
Daniel McLennan / Jonathan Mervis

E5 Expanded use of alternate routes of vascular access: a movement toward performing more complex interventions in younger children
Alejandro Rodriguez Ogando / Fernando Ballesteros / Ramon Perez Caballero / Ana Pita / Adolfo Sobrino / Jose Luis Zunzunegui
E6 Atrial septal stent implantation for the management of congenital heart disease in infants
   Adolfo Sobrino / Alejandro Rodriguez Ogando / Fernando Ballesteros / Ana Pita Fernandez / Nuria Gil Villanueva / Jose Luis Zunzunegui

E7 Complications I wish I had never seen
   Sherien Abdelsalam Mohamed / Susy Kotit / Hassan Almeneisi

E8 Aortopulmonary fistula closure in infant
   Dmitriy Korzh / Ivan Tkachev

E9 The feasibility of left atrial appendage occlusion in patients with left atrial appendage thrombus

E10 Successful treatment of primary racemose hemangioma of the bronchial artery using expandable hydrogel polymer coil
   Tomohito Kogure / Hisashi Sugiyama

E11 Clinical profiles in ischemic stroke patients with cardiac embolism – Comparison to lacunar and atherosclerotic infarction
   Yuki Matsumoto / Yoshihiro Morino

E12 Assessment of the size and function of left atrial appendage is useful for detection of cardiogenic embolization in patients with nonvalvular atrial fibrillation
   Go Hashimoto / Makoto Suzuki / Nobutaka Ikeda / Hiromasa Hayama / Kenji Makino / Tsuyoshi Ono / Raisuke Iijima / Hidehiko Hara / Masao Moroi / Masato Nakamura

E13 Percutaneous coronary artery interventions in the pediatric population: acute and late procedural outcomes
   Zakaria Jalal

E14 A rare case of anomalous pulmonary and systemic venous drainage
   Susy Kotit

E15 Preserved left ventricular function and yet contraindicated for arterial switch operation
   Susy Kotit
E16 Unusual complication of Fontan circulation – Successful percutaneous closure of fistula between extracardiac tunnel and coronary sinus
Jacek Kusa / Pawel Czesniewicz / Ras Malgorzata / Magdalena Slupska

E17 Use of Medtronic MVP Micro vascularplug system in children: indications and results
Sophie Guiti Malekzadeh Milani / Boudjemline Younes / Sitefane Fidelio

E18 Successful stent-retriever thrombectomy for acute cerebral embolization after transcatheter aortic valve implantaion
Mizuki Miura / Shinichi Shirai / Katsumi Inoue / Masaomi Hayashi / Kenji Ando

E19 Innovative axial-flow ventricular assist device (VAD) with magnetically levitated rotor and wireless power receiver designed for minimally invasive intervention
Alexandru Plesoianu / Carmen Plesoianu / Grigore Tinica

E20 Balloon angioplasty and stent implantation in SVC in pediatric patients
Antonio Sanchez Andres / Esteban Peiro Molina / Jose Ignacio Carrasco Moreno

E21 Left atrial appendage occlusion versus standard therapy after dual-antiplatelet period in Chinese patients undergone PCI with nonvalvular atrial fibrillation: a single center retrospective case-control analysis
Chak Yu So / Gary Cheung / Anna, KY Chan / Bryan / PY Yan

E22 Left atrial appendage occlusion before completion of DAPT versus combined antithrombotic therapy in Chinese patients undergone PCI with nonvalvular atrial fibrillation: a single center retrospective case-control analysis
Chak Yu So / Gary Cheung / Anna, KY Chan / Alex Lee / Bryan, PY Yan
E23  Efficacy and safety of catheter perforation for Fontan route
   Hisashi Sugiyama

E24  Cardiac resynchronization therapy in a patient with congenitally corrected transposition of the great arteries
   Hiroshi Takiguchi / Satoshi Ishii / Yasuyuki Sugishita / Nobuhiko Ito / Hiroshi Yamashita

E25  Complex congenital heart disease, atrial flutter ablation via right internal jugular access and atrial lead pacemaker implant in the juxtaposed right atrial appendage
   Shailendra Upadhyay / Olga Toro-Salazar

E26  Blockbuster balloon bombshell
   Jenny Zablah-Rodriguez / Gareth Morgan / Michael Ross / Neil Wilson

E27  Comprehensive assessment of coronary artery compression during transcatheter pulmonary valve placement: the role of dynamic projection coronary artery assessment

E28  A case of successful endovascular treatment of acute BT-shunt thrombosis
   Eyvaz Abbasov

E29  Should ventricular shaping be considered superior to ventricular volume reduction for ischemic left ventricular failure?
   Mohammad Ansari

E30  True to false lumen implantation of endovascular graft in type B aortic dissection, rescued by puncturing the false lumen with Brockenbrough needle and implantation of another graft overlapping the first
   Pavan Raslaikar / Shaadab Ahmed Mohammed / Anand Mishra / Parag Barwad

E31  Ischemic stroke in young adults with closed foramen ovale
   Francisco Chamie / Renata Prett / Maximiliano Lacoste

E32  Use of blade balloon ("cutting balloon") in patients with congenital heart disease
   Majed Kanaan / Johannes Nordmeyer / Felix Berger
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