

CSI FRANKFURT 2019

WORKBOOK

JUNE 26 – 29, 2019

FRANKFURT, GERMANY



www.csi-congress.org



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GENERAL INFORMATION



CSI



WELCOME TO CSI FRANKFURT 2019

Welcome to Frankfurt – we are really looking forward to sharing the next 4 days with you! The CSI team has worked tirelessly over the past 12 months on what we believe is the strongest educational agenda to date in the 23-year history of CSI – until next year at least!

A key feature of this year's program is the full and half day focus workshops on the most important topics in congenital, structural and valvar heart disease interventions and heart failure. Wednesday will be dedicated to mitral valve interventions, neonatal interventions, device development, paravalvar leak closure and pulmonary artery stenosis. Thursday's focus workshops will feature VSD closure, TAVI and tricuspid valve interventions. Friday's workshops explore PFO and LAA closure, pulmonary valve interventions and coarctation and the workshops conclude with heart failure interventions, ASD and PDA closure on Saturday. You may choose to attend for the full duration of the workshop, or jump from one workshop to the next to meet your specific educational needs!

/ see leaflet "Pocket guide" for an overview

As always, the program will feature live sessions, many of which will have a minimum of 2 centers transmitting in parallel. **More than 40 scheduled cases will be transmitted from 12 renowned centers across the globe.** Stay tuned on the congress app to see which cases are coming up!



THE OFFICIAL MOBILE APP "CSI FRANKFURT 2019"

Now available for download for both Android and Apple devices.

Detailed info on page 14





A new addition to CSI will be the “Highlight of the year” awards. We want to celebrate events of the past year that will have an impact on the field, on practice and on patient outlook. Nominations are displayed in a poster exhibition located in the main lecture hall Harmonie and include first-in-mans, trials and study results or approvals. Shortlisted nominations will be discussed in dedicated “highlight of the year” sessions, where we have dispensed with the traditional speaker lectern. We invite all physician attendees of CSI to vote for the winners in each category. Make sure not to miss these sessions – or the award ceremony held during the social dinner!

We would also like to draw your attention to the “Helping the world’s hearts” session on Thursday morning. Many of our faculty members dedicate their free time to provide medical care in less developed regions that currently lack the infrastructure for diagnosis and effective treatment of cardiovascular diseases. Please join this session to learn about their efforts as well as CSI’s educational activities to improve patient treatment and outlook in Africa – and perhaps to get involved!

Thank you for being a part of CSI Frankfurt 2019. We are passionate about creating a platform for exchanging knowledge. You will learn the latest techniques, see the newest devices and meet the most experienced interventionalists. Above all, be sure to get involved: refine your skills in the training hub, use the opportunity to network with your peers, participate in our discussions, share your thoughts and experiences, ask questions and help us once again to make this the best year yet!

Enjoy CSI!

Sincerely yours,

The CSI course directors

Horst Sievert, Mario Carminati, Shakeel A. Qureshi



DO NOT MISS!



CSI HIGHLIGHT OF THE YEAR AWARDS

Interventional imaging

Wednesday, June 26, 10.20 – 12.30 / Congress theatre, 2nd floor
/ p. 51

Structural interventions and heart failure treatment

Thursday, June 27, 11.10 – 13.35 / Main lecture hall Harmonie, 1st floor
/ p. 81

Congenital interventions

Thursday, June 27, 13.45 – 15.45 / Main lecture hall Harmonie, 1st floor
/ p. 85

Valvar interventions

Friday, June 28, 16.35 – 18.30 / Main lecture hall Harmonie, 1st floor
/ p. 107

We will celebrate highlights in the field of congenital, structural and valvar heart disease interventions and interventional imaging! Nominations include first-in-mans, trials, studies and approvals and feature in a poster exhibition at the back of the main lecture hall.

A shortlist has been selected for interactive discussion during dedicated sessions. Lead by key opinion leaders, faculty will be interviewed rather than presenting traditional lectures from a speaker's desk! The sessions will be accompanied by live cases from experienced operators, featuring cases on bioresorbable occluders and stents, novel heart failure intervention techniques and much more. **Vote for the winner in each category and make sure not to miss the award ceremony at the CSI social dinner on Friday night!**



LIVE + KOL CASE COMPETITIONS

Valvar

Wednesday, June 26, 15.50 – 18.30 / Main lecture hall Harmonie, 1st floor
/ p. 55

Congenital

Thursday, June 27, 16.15 – 18.30 / Main lecture hall Harmonie, 1st floor
/ p. 86

Valvar

Friday, June 28, 11.00 – 13.20 / Main lecture hall Harmonie, 1st floor
/ p. 103

Structural

Saturday, June 29, 08.00 – 10.00 / Main lecture hall Harmonie, 1st floor
/ p. 126

Watch our KOL faculty battle out who had the best approach to the most challenging cases! These sessions will include live transmissions showcasing experienced operators from all over the world!

HELPING THE WORLD'S HEARTS

Thursday, June 27, 10.00 – 10.30 / Main lecture hall Harmonie, 1st floor

Many of our faculty dedicate their free time to provide medical care in less developed regions that currently lack infrastructure for diagnosis and effective treatment of cardiovascular diseases. Join this session to learn about their efforts as well as CSI's educational activities to improve patient treatment and outlook in Africa – and perhaps to get involved! / p. 79

CONFERENCE WELCOME

Friday, June 28, 08.00 – 10.00 / Main lecture hall Harmonie, 1st floor

Join us on Friday morning in the main lecture hall for the official conference welcome, featuring live transmissions from the CardioVascular Center Frankfurt (CVC) and Fuwai Hospital, Beijing. Chaired by Shakeel A. Qureshi, Mario Carminati, Bharat Dalvi, Hidehiko Hara, Karl-Heinz Kuck, Bushra Rana and Mark Reisman, this is a session not to be missed! / p. 102



DO NOT MISS!

KEYNOTE INTERVIEW WITH MICHAEL TYNAN

Friday, June 28, 10.00 – 10.30 / Main lecture hall Harmonie, 1st floor

Shakeel A. Qureshi and Bharat Dalvi will lead this year's keynote interview with Michael Tynan – described by Shak as “Innovator in pediatric cardiology. Father of interventional pediatric cardiology in Europe. First to perform fetal cardiac interventions in the world. Last person to interview Fidel Castro.” / p. 103

NEIL WILSON'S CHALLENGING CASES

Saturday, June 29, 07.00–08.00 / Main lecture hall Harmonie, 1st floor

Back by popular demand: 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. Get up early on Saturday, grab some breakfast from the industry exhibition and join Neil in the main lecture hall! / p. 126

CSI ROAD TO THE TOP

Saturday, June 29, 10.30 – 12.30 / Congress theatre, 2nd floor

Hear from experienced CSI faculty how they progressed their careers. This session will feature Damien Kenny, Sameer Gafoor, Simon Lam, Eberhard Grube, Stefan Bertog, Allison Cabalka, Shakeel A. Quershi, Gareth Morgan, Matthew Daniels and Mark Reisman. Join them on Saturday for a panel discussion where they reveal their biggest mistakes on the road to the top! / p. 129

HILDICK-SMITH DEBATE

Friday, June 28, 12.40 – 13.20 / Congress theatre, 2nd floor

The Hildick-Smith debate has been a feature of CSI for many years – surely by now it deserves an entry into Wikipedia! This year's topic:

- David Smith: We should only be closing PFO's in the populations described in the randomized trials
- David Hildick: No, there are many patients who will benefit even if they are not exactly belonging to the population enrolled in the trials / p. 110



CATH LAB EFFICIENCY SESSION

Saturday, June 29, 12.45 – 14.55 / Congress theatre, 2nd floor

Too much to do, too little time? We know what it's like, but make sure to spare two hours for the cath lab efficiency session where faculty will reveal tips and tricks on how to streamline workflow in the cath-lab. The session will be accompanied by live transmissions from Horst Sievert (CardioVascular Center, CVC, Frankfurt, Germany) and Kothandam Sivakumar (The Madras Medical Mission, Chennai, India). / p. 130

DEVICE PARADES

Thursday, June 27, 16.15 – 18.30 / Spectrum, 1st floor
/ p. 92

Friday, June 28, 12.40 – 13.20 / Illusion 2–3, 2nd floor
/ p. 114

These sessions will include short overview lectures on available devices, which will be displayed at the back of the lecture room. You will get the opportunity to examine and compare the devices close-up. Experienced users will be there to provide further details and answer any questions you may have.

E-POSTER PRESENTATIONS

Thursday, June 27, 07.00 – 08.00 / Poster area, 2nd floor
/ p. 78

Friday, June 28, 07.00 – 08.00 / Poster area, 2nd floor
/ p. 102

Moderated e-poster sessions will take place on Thursday and Friday morning in the poster area on the 2nd floor. You can visit this area at any time to browse through a record number of over 150 posters – or use the congress app to review them.

THE TRAINING HUB

Benefit from valuable hands-on and simulation training in the CSI training hub. Spaces are limited, so make sure to pre-register. Refer to the training hub leaflet for more information about individual workshops.

/ see leaflet "Training hub" for an overview



DO NOT MISS!

THE INDUSTRY EXHIBITION

Please take the time to visit our industry partners in the exhibition on the first floor to learn about the latest devices, data and resources available to facilitate your daily practice and improve patient outcomes.

/ see leaflet "Pocket guide" for an overview

Lambre™
LAA Closure System

CE
0088

Outstanding for all anatomies
Higher implant success

- Secure anchoring
- Low profile
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MFO
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CE
0342

Multifunctional Occluder

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- Antegrade or Retrograde Approach
- Excellent Flexibility

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Closure System

CE
0341

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- Maximum Flexibility - 360° Rotation
- No Hub Design

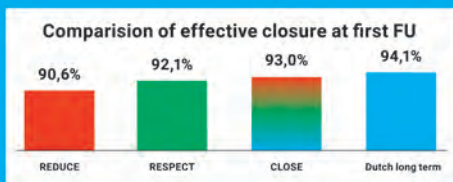
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SCIENTIFIC

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The Flex II PFO occluder enables physicians to simplify implantations and achieve state-of-the-art results

- The unique ball-connection between pusher and Occluder safely locks the occluder while allowing it to freely follow the anatomy of the defect. Once in place it is easy and fast to deliver.



- Optimized braiding: No hub and reduced material on left arterial disc guarantees better ingrowth.

* Dutch long term, 2018, Snijder. Percutaneous PFO Closure using the Occlutech Figurala Flex PFO device. 1,300 patient years. Visit the exclusive PFO-Session on CSI Frankfurt, Friday 2-40 pm in the main lecture hall.



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www.occlutech.com P17F06 031 02



CSI FRANKFURT 2019 CONGRESS APP

The official mobile application for CSI 2019 – now available for download for both Android and Apple devices!



WITH THE CONGRESS APP, YOU CAN:

- Search for topics and speakers
- Create a personalised program around the sessions that most interest you
- Receive real-time updates directly to your mobile phone or tablet

Too many interesting sessions at the same time? Do not worry – recorded content of the congress will be available free of charge for CSI attendees on the app.



HOW DO I GET THE APP?

Head over to Google Play Store or Apple App Store, **search for CSI Frankfurt 2019** and after installation, log in with your M-anage details.



TWITTER

Stay up to date at all times: receive real-time updates directly to your mobile phone or tablet via Twitter.

Twitter – @csicongress
#CSI2019
#CSIFrankfurt2019



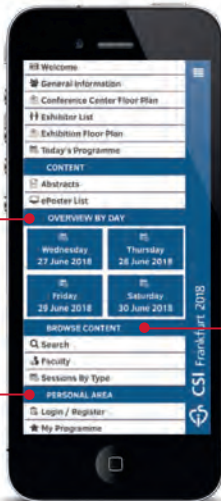
Our program structure features parallel streams at all times so that you can customize your learning experience. Use the congress app to create your own personal program.

Overview by day:

Get an overview of the program to help you plan your day

Personal area:

Log in with your M-anage details and access your personal program



Browse content:

Search the program by key word, speaker or session type, and add interesting session to your personal program



SOCIALIZE AND NETWORK AT CSI



DAILY BREAKFAST

Don't like eating alone in the hotel breakfast room?
We will serve breakfast every morning at 07.00 in the
industry exhibition on the 1st floor!

CSI MEET AND RUN

Thursday, June 27, 19.00
Saturday, June 29, 06.00

Join CSI sports enthusiasts for a quick run around
Frankfurt. You will be guided by former Frankfurt
resident, Stefan Bertog! Meet at the entrance to the
congress center.

SOCIAL DINNER

Friday, June 28, 19.30 – 23.00



"Alex" Frankfurt Skyline Plaza
Europa Allee 8, 60327 Frankfurt am Main,
www.dein-alex.de/frankfurt-skyline-plaza

Dress code: casual

Distance from Congress Center: 10 min by walking.
We will meet at 19.00 in front of the entrance of the congress center
to walk to the dinner location.

SOCIALIZE ...

If you are hungry from the CSI run or you enjoy a game of table soccer (foosball for our U.S attendees), head over to the Champions sports bar in the Marriott building (Hamburger Allee 2) across the road from the congress center.

We can also recommend:



Laube - Liebe - Hoffnung

Authentic seasonal cuisine, meat or fish, as well as vegetarian and vegan dishes.

Pariser Str. 11, 60486 Frankfurt am Main

Phone: +49 69 75 84 77 22

E-mail: willkommen@laubeliebehoffnung.de

www.laubeliebehoffnung.de

Distance from Congress Center:

1.7 km (20 min by walking, 10 min by taxi)



Apfelwein Wagner

Traditional atmosphere of Frankfurt's apple wine culture.

Schweizer Str. 71, 60594 Frankfurt am Main

Phone: +49 69 61 25 65

E-mail: info@apfelwein-wagner.com

www.apfelwein-wagner.com

Distance from Congress Center:

4 km (12-15 min by taxi)



Druckwasserwerk

Sophisticated German gastronomy, an exquisite selection of wines.

Rotfeder-Ring 16, 60327 Frankfurt am Main

Phone: +49 69 256 28 77 00

E-mail: info@restaurant-druckwasserwerk.de

www.restaurant-druckwasserwerk.de

Distance from Congress Center:

2.5 km (10 min by taxi)



SOCIALIZE AND NETWORK AT CSI



L'Osteria

Assorted antipasti and salads, as well as a weekly menu with delicious pasta dishes.

Speicherstr. 1, 60327 Frankfurt am Main

Reservation under: www.losteria.net/en/reservation
www.losteria.net/de/restaurants/restaurant/frankfurt-am-main/

Distance from Congress Center:
2.1 km (8–10 min by taxi)



CRON am Hafen Restaurant & Vinothek

Mediterranean dishes, daily fish, meat and pasta specials and a comprehensive wine selection.

Speicherstr. 39 - 45, 60327 Frankfurt am Main

Phone: +49 69 24 00 99 33

E-mail: kontakt@cron-am-hafen.de

www.cron-am-hafen.de

Distance from Congress Center:
2.1 km (8–10 min by taxi)



Zenzakan

Fine Asian dining.

Taunusanlage 15, 60325 Frankfurt am Main

Phone: +49 69 97 08 69 08

Reservation: www.mook-group.de/form/form_en.php
www.mook-group.de/zenzakan

Distance from Congress Center:
1.9 km (8–10 min by taxi)



Daheim im Lorsbacher Thal

Regional, traditional German, Hesse and Frankfurt cuisine, „Hausmannskost“

Grosse Rittergasse 49 - 51, 60594 Frankfurt am Main

Phone: +49 69 61 64 59

E-mail: info@lorsbacher-thal.de

www.lorsbacher-thal.de

Distance from Congress Center:
4.1 km (15 min by taxi)



Oosten – Beer Garden

Saisonal, inter-regional, vegetarian with a nice view on the Frankfurt skyline.

Mayfarthstr. 4, 60314 Frankfurt am Main

Tel.: +49 69 94 94 25 68 14

Mobil: +49 152 24 48 31 78

E-mail: be@oosten-frankfurt.com

www.freigut-frankfurt.com/oosten-restaurant

Distance from Congress Center:
6.2 km (20 min by taxi)



Paparazzi – Italian Resuarant

Italian cuisine.

Mendelssohnstr. 44, 60325 Frankfurt am Main

Phone: +49 69 74 25 85

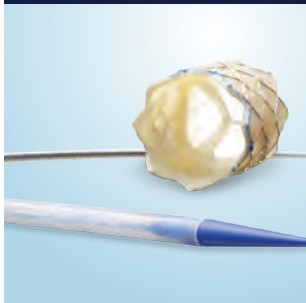
E-mail: ristorante@paparazzi-ffm.de

www.paparazzi-ffm.de/index.php/ristorante-paparazzi-2-frankfurt-westend

Distance from Congress Center:
1.1, km (5 min by taxi, 10 min by walking)



RIGHT CHOICE.



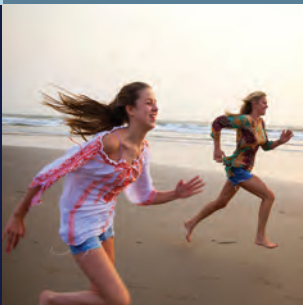
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The only transcatheter pulmonary valve specifically designed for RVOT conduits and bioprosthetic valves. The longest studied, with the largest body of clinical evidence at 7 years post-implant.* Over 12 years of implants, more than 13,000 patients' lives have been changed.

Melody™ TPV – The right choice for your patients

Not intended to constitute medical advice or in any way replace the independent medical judgment of a trained and licensed physician with respect to any patient needs or circumstances. Melody™ TPV is not suitable for all patients and ease of use, outcomes, and performance may vary. See the Instructions for Use for indications, contraindications, precautions, warnings and adverse events.

* Melody™ Transcatheter Pulmonary Valve Study: Post Approval Study of the Original IDE Cohort.



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

OPENING HOURS

Wednesday, June 26, 2019	7.00 – 18.30
Thursday, June 27, 2019	7.00 – 18.30
Friday, June 28, 2019	7.00 – 18.30
Saturday, June 29, 2019	7.00 – 17.00

FREE WIFI

SSID: Congress WiFi
Username: CSI62019
Password: CSI62019

STAY UP TO DATE

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

SCIENTIFIC CONTENT

Content of CSI 2019 will be available on the CSI website by the end of July. We will e-mail you with further information after the congress. 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 viewing on the CSI website:

www.csi-congress.org/frankfurt/scientific-content

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

Thank you for your attention,
cme4u GmbH
Congress organization





KEY ADDRESSES

CONGRESS VENUE

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

CONGRESS ORGANIZATION

cme4u GmbH
Congresses, meetings & education
Gutleutstr. 322, 60327 Frankfurt, Germany
E-mail: info@cme4u.org
www.cme4u.org

Inga Sievert

Mobil: +49 176 205 528 69

Ivana Veljkovic

Mobil: +49 157 734 340 29

SOCIAL DINNER VENUE ON FRIDAY JUNE 28, 2019

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

UNDER THE AUSPICES OF ...



German Cardiac
Society



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German Society of
Paediatric Cardiology



ALKK
Arbeitsgemeinschaft Leitende
Kardiologische Krankenhausärzte e.V.

ACCREDITATION CSI FRANKFURT 2019

- 24 CME credits by the EBAC Board (applied for)
- 24 CME credits by the DGK



German
Cardiac Society

The event is accredited by the European Board for Accreditation in Cardiology (EBAC) for CME credits. Each participant should claim only those hours of credit that have actually been spent in the educational activity. EBAC works according to the quality standards of the European Accreditation Council for Continuing Medical Education (EACCME), which is an institution of the European Union of Medical Specialists (UEMS).

HOW CAN YOU GET YOUR CERTIFICATE OF ATTENDANCE AND CME CREDITS?

Thank you for attending CSI Frankfurt 2019!

Please keep in mind that due to rules and regulations we can provide your CME credits and certificate only if you have filled in the evaluation form which you will find at www.csi-congress.org/frankfurt/evaluation

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.



The certificate of attendance will be sent by email by July 19, 2019.



WE WOULD LIKE TO THANK ...

... the following companies for their support
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CardioVascular Center Frankfurt CVC

STATEMENT OF PURPOSE

The content of the CME accredited scientific program is for educational purposes only and will not promote any products or services, directly or indirectly. Potential conflicts of interest on part of the organizers, the course directors or the faculty will be disclosed to the audience.



WHAT IS THE CSI FOUNDATION?

The CSI Foundation is a not-for-profit organisation 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.

**MEMBERS
RECEIVE
DISCOUNTED
ENTRY TO
CSI MEETINGS**



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 SAN FRANCISCO

Nov 01 – 02, 2019

San Francisco, USA

The meeting is designed for interventional cardiologists, cardiothoracic surgeons, anesthesiologists, EP specialists, imaging specialists, nurses, technicians and any other medical specialty involved in these procedures. With a focus on innovation we will also welcome device companies, engineers, start-ups and venture capitalists.



LAA – HOW TO CLOSE THE LEFT ATRIAL APPENDAGE

Nov 15 – 16, 2019

Frankfurt, Germany

During this 2-day course you will get an overview on all aspects of this treatment modality. Clinical studies will be covered and we will also demonstrate how to perform the procedure step by step and how to prevent and manage complications. Live case transmissions are a core of this course and will allow direct attendee-operator interaction to maximize the learning experience.



CSI AFRICA

Nov 29 – 30, 2019

Arusha, Tanzania

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 DEVICE THERAPIES FOR HEART FAILURE

Dec 13 – 14, 2019

Paris, France

Innovation is at the forefront of this meeting and our faculty of leading experts and pioneers in the field will provide a comprehensive update on the latest research, trials and clinical practice.



Allison Cabalka



SCIENTIFIC FACULTY



CSI



BOARD OF DIRECTORS

CSI CONFERENCE

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Dernbach, Germany

Ilona Hofmann, MD

CardioVascular Center
Frankfurt CVC
Frankfurt, Germany

LIVE CASE CENTERS

CSI CONFERENCE



The scientific program includes over 40 scheduled live cases showcasing skilled operators from all over the world:

CardioVascular Center CVC Frankfurt

Frankfurt, Germany

Horst Sievert, MD
Markus Reinartz, MD
Kolja Sievert, MD

Rigshospitalet Copenhagen, Denmark

Lars Sondergaard, MD
Ole De Backer, MD
Gintautas Bielauskas, MD
Nikolaj Ihlemann, MD
Eberhard Grube, MD

Institut Jantung Negara (National Heart Institute)

Kuala Lumpur, Malaysia

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Hasri Samion, MD
Marhisham Che Mood, MD
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Yujie Zhou, MD

Fuwai Hospital Beijing, China

Xiangbin Pan, MD

The First Affiliated Hospital of Nanjing Medical University Nanjing, China

Wei Sun, MD

Imperial College Healthcare NHS Trust

London, United Kingdom

Iqbal Malik, MD
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Our Lady's Children's Hospital, Crumlin

Dublin, Ireland

Damien Kenny, MD
Kevin Walsh, MD
Khalid AlAlwi, MD

Madras Medical Mission Chennai, India

Kothandam Sivakumar, MD

University Hospitals of Cleveland

Cleveland, USA

Gui Attizzani, MD
Cristian Baeza, MD

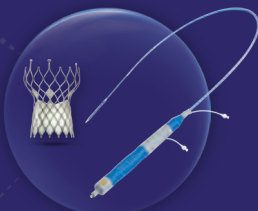
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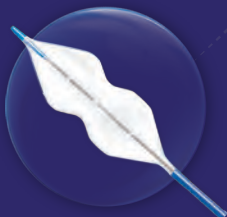
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Madinah Cardiac Center
Medina, Saudi Arabia

Syed Ahsan, MD

St. Barts NHS Trust
London, United Kingdom

Teiji Akagi, MD

Okayama University Hospital
Okayama, Japan

Wael Al-Ghabra, MD

Glenfield Heart Centre, Leicester
University Hospitals
Leicester, United Kingdom

Bagrat Alekyan, MD

Russian Academy of Sciences
Moscow, Russia

Behzad Alizadeh, MD

Imam Reza University Hospital,
Mashhad Medica
Mashhad, Iran

Mohamad Alkhouli, MD

West Virginia University
Morgantown, USA

Mazeni Alwi, MD

National Heart Institute
Kuala Lumpur, Malaysia

Zahid Amin, MD

Children's Hospital of Georgia
Regents University
Augusta, USA

Michael Angtuaco, MD

Arkansas Children's Hospital
Little Rock, USA

Takeshi, Arita, MD

Kyusyu University
Fukuoka, Japan

Dabit Arzamendi, MD

Hospital de la Santa Creu i
Sant Pau
Barcelona, Spain

Boulos Asfour, MD

Asklepios Klinik
Sankt Augustin, Germany

Guilherme Attizzani, MD

Cleveland Medical Center
Cleveland, USA

Neeraj Awasthy, MD

MAX Hospital
New Delhi, India

David Baghdasaryan, MD

Nork Marash Medical Center
Yerevan, Armenia

Shmuel Banai, MD

Tel Aviv Medical Center
Tel Aviv, Israel

Biswajit Bandyopadhyay, MD

NH Hospital
Kolkata, India

Bharathap A P, MD

Sri Jayadeva Institute of
Cardiovascular Sciences
Bangalore, India

Antoni Bayes-Genis, MD

Hospital Universitari Germans
Trias i Pujol
Barcelona, Spain

Radwa Bedair, MD

Bristol Heart Institute
Bristol, United Kingdom

Yoni Ben Zvi

Mitralix
Jerusalem, Israel

Lee Benson, MD

The Hospital for Sick Children
Toronto, Canada

James Bentham, MD

Leeds General Infirmary
Leeds, United Kingdom

Felix Berger, MD

German Heart Institute Berlin
and Charite - Medical University
of Berlin
Berlin, Germany



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CSI CONFERENCE

Sergio Berti, MD

Fondazione Toscana G.
Monasterio CNR
Massa, Italy

Harald Beucher, MD

Helios Klinikum
Siegburg, Germany

Josef Bis, MD

1st Department of
Cardioangiology
Hradec Kralove, Czech Republic

Regina Bokenkamp, MD

Willem-Alexander-
Kinderziekenhuis
Leiden, The Netherlands

John Breinholt, MD

Memorial Hermann
Houston, USA

Todd Brinton, MD

Stanford University
Stanford, USA

Elchanan Bruckheimer, MD

Schneider Children's Medical
Center Israel
Petach Tikva, Israel

Mamta Buch, MD

University Hospitals of
South Manchester,
Wythenshawe Hospital
Manchester, United Kingdom

Gianfranco Butera, MD

Guy's and St Thomas' NHS
Foundation Trust
London, United Kingdom

Igor Buzaev, MD

Cardiology Republican Center
Ufa, Russia

Nicola Buzzatti, MD

San Raffaele Hospital
Milan, Italy

Jonathan Byrne, MD

King's College Hospital NHS
Foundation Trust
London, United Kingdom

Allison Cabalka, MD

Mayo Clinic
Rochester, USA

Patrick Calvert, MD

Papworth Hospital NHS
Foundation Trust
Cambridge, United Kingdom

Claudio Capelli, MD

University College London &
Great Ormond Street Hospital
London, United Kingdom

John Carroll, MD

University of Colorado
Denver, USA

Kimberly Chadwell

University of Virginia
Charlottesville, USA

Francisco Chamie, MD

INTERCAT
Rio de Janeiro, Brazil

Amitabha Chattopadhyay, MD

Narayana Superspecialty
Hospital
Howrah, India

Massimo Chessa, MD

I.R.C.C.S. Policlinico San Donato
Milan, Italy

Muthukumaran Chinnasamy, MD

Apollo Hospital
Chennai, India

Jae Young Choi, MD

Severance Cardiovascular
Hospital
Seoul, Korea

Manish Chokhandre, MD

Pediatric and congenital heart
centre, New Age Wockhardt
Hospital
Mumbai, India

Antonio Colombo, MD

San Raffaele Scientific Institute
and Columbus Hospital
Milan, Italy

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Lenard Conradi, MD

University Heart Center
Hamburg
Hamburg, Germany

David Crossland, MD

Freeman Hospital
Newcastle upon Tyne,
United Kingdom

Ignacio Cruz-Gonzalez, MD

University Hospital of
Salamanca
Salamanca, Spain

Umberto Cucchini, MD

S.C. Cardiologia Osp. San
Bassiano
Bassano del Grappa, Italy

Martin Czerny, MD

University Heart Center
Freiburg- Bad Krozingen
Freiburg, Germany

Ingo Daehnert, MD

Heart Center Leipzig
Leipzig, Germany

Gry Dahle, MD

Rikshospitalet
Oslo, Norway

Bharat Dalvi, MD

Glenmark Cardiac Centre
Mumbai, India

Matthew Daniels, MD

Oxford University Hospitals
NHS Trust
Oxford, United Kingdom

Dhitabrata Das, MD

Apollo Hospital
Kolkata, India

Ole De Backer, MD

Rogshospitalet
Copenhagen, Denmark

Federico De Marco, MD

Policlinico San Donato
Milan, Italy

Rodney De Palma, MD

University College London
Hospitals NHS
London, United Kingdom

Pascal Defaye, MD

Centre Hospitalier Universitaire
de Grenoble
Grenoble, France

Joseph DeGiovanni, MD

Queen Elizabeth Hospital
Birmingham, United Kingdom

Antigoni Deri, MD

Leeds General Infirmary
Leeds, United Kingdom

Abhijeet Dhole, MD

University of Texas, Memorial
Herman - Texas Medical Center
Houston, USA

Jose Diez, MD

Texas Heart Institute
Houston, USA

Vivian Dimas, MD

UT Southwestern Medical Center
Dallas, USA

Cameron Dowling, MD

St. George's University Hospitals
NHS Foundation Trust
London, United Kingdom

Alison Duncan, MD

The Royal Brompton Hospital
London, United Kingdom

Danny Dvir, MD

University of Washington
Seattle, USA

Henning Ebel, MD

Katholisches Krankenhaus
St. Johann Nepomuk
Erfurt, Germany

Maiy El Sayed, MD

Ain Shams University
Cairo, Egypt

Jesse Esch, MD

Boston Childrens Hospital
Boston, USA



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Rodrigo Estevez-Loureiro, MD

Leon University Hospital
Madrid, Spain

Lucy Eun, MD

Yonsei University Severance
Hospital
Seoul, Korea

Peter Ewert, MD

German Heart Center
Munich, Germany

Ted Feldman, MD

Edwards Lifesciences
Irvine, USA

Liliana Maria Ferrin, MD

Cardiology Institute of
Corrientes
Corrientes, Argentina

Aloke Finn, MD

CVPath Institute Inc.
Gaithersburg, USA

Atta Firouzi, MD

Shahid Rajaei Heart Center
Tehran, Iran

Alain Fraisse, MD

Royal Brompton Hospital
London, United Kingdom

Jennifer Franke, MD

University of Heidelberg
Heidelberg, Germany

Habib Gamra, MD

Fattouma Bourguiba University
Hospital
Monastir, Tunisia

Marc Gewillig, MD

UZ Leuven
Leuven, Belgium

Shreya Ghetiya, MD

University of Florida College of
Medicine
Jacksonville, USA

Matthew Gillespie, MD

Children's Hospital of
Philadelphia
Philadelphia, USA

Sebastian, Goreczny, MD

Children's Hospital Colorado
Denver, USA

Olaf Goeing, MD

Sana Klinikum
Berlin-Lichtenberg, Germany

Adam Greenbaum, MD

Henry Ford Heart and Vascular
Institute
Detroit, USA

Marek Grygier, MD

Poznan University of Medical
Sciences
Poznan, Poland

Eberhard Grube, MD

Heart Center Bonn
Bonn, Germany

Mayra Guerrero, MD

Mayo Clinic
Rochester, USA

Edip Gurol, MD

Massachusetts General Hospital,
Harvard Medical School
Boston, USA

Nikolaus Haas, MD

University Hospital Munich
Munich, Germany

Christoph Hammerstingl, MD

University Hospital Bonn
Bonn, Germany

Hidehiko Hara, MD

Toho University Ohashi Medical
Center
Tokyo, Japan

Stephan Haussig, MD

Dresden Heart Center
Dresden, Germany

Carrie Herbert, MD

Mayo Clinic
Rochester, USA

Ziyad Hijazi, MD

Sidra Medical & Research Center
Doha, Qatar

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David Hildick-Smith, MD

Brighton and Sussex University
Hospital
Brighton, United Kingdom

Rafael Hirsch, MD

Rabin Medical Center
Petach Tikva, Israel

Eric Horlick, MD

Toronto General Hospital
Research Institute
Toronto, Canada

Marius Hornung, MD

SRH Klinikum
Karlsbad-Langensteinbach
Karlsbad, Germany

Tarique Hussain, MD

Children's Medical Center Dallas,
UT Southwestern
Dallas, USA

Timur Imaev, MD

Russian Cardiology Research
Center
Moscow, Russia

Shinya Ito, MD

Kokura Memorial Hospital
Tokyo, Japan

Vijay Iyer, MD

University at Buffalo
Buffalo, USA

Osama Jaber, MD

Leeds General Infirmary
Leeds, United Kingdom

Mahimarangaiah

Jayranganath, MD

Sri Jaydeva institute of
cardiology
Bangalore, India

Hasan Jilaihawi, MD

NYU Langone Medical Center
New York, USA

Salim Jivanji, MD

Guy's and St Thomas' NHS
Foundation Trust
London, United Kingdom

Henri Justino, MD

Texas Children's Hospital
Houston, USA

Saleha Kabir, MD

Evelina London Childrens
Hospital
London, United Kingdom

Krzysztof Kaczmarek, MD

Medical University of Lodz
Lodz, Poland

Sok-Leng Kang, MD

University Hospitals Bristol
Bristol, United Kingdom

Damien Kenny, MD

Our Lady's Children's hospital,
Crumlin
Dublin, Ireland

Sachin Khambadkone, MD

Great Ormond Street Hospital
for Children
London, United Kingdom

Gi Beom Kim, MD

Seoul National University
Children's Hospital
Seoul, South Korea

Franz Kleber, MD

Charite - Universitaetsmedizin
Berlin
Berlin, Germany

Norbert Klein, MD

St. Georg Hospital
Leipzig, Germany

Patrick Klein, MD

St. Antonius Hospital
Nieuwegein, The Netherlands

Chad Kliger, MD

Lenox Hill Heart and Lung,
Northwell Health
New York, USA

Tilo Koelbel, MD

University of Hamburg
Hamburg, Germany

Adam Kolesnik, MD

University of Warsaw
Warsaw, Poland



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CSI CONFERENCE

Xiangqing Kong, MD

The First Affiliated Hospital of
Nanjing Medical University
Nanjing, China

Kasper Korsholm, MD

Aarhus University Hospital
Aarhus, Denmark

Jan Kovac, MD

University Hospitals of Leicester
Leicester, United Kingdom

Thomas Krasemann, MD

Erasmus Medical Center
Rotterdam, The Netherlands

Felix Kreidel, MD

Universitiy Medical Centre Mainz
Mainz, Germany

Oliver Kretschmar, MD

Kinderspital Zuerich
Zurich, Switzerland

Amar Krishnaswamy, MD

Cleveland Clinic
Cleveland, USA

Karl-Heinz Kuck, MD

Hospital St. Georg Hamburg
Hamburg, Germany

R. Suresh Kumar, MD

Believers International Heart
Centre
Kerala, India

Simon Lam, MD

Queen Mary Hospital
Hong Kong, China

Ulf Landmesser, MD

Charite - Universitaetsmedizin
Berlin
Berlin, Germany

Michael Laule, MD

Charite - Universitaetsmedizin
Berlin
Berlin, Germany

Randall Lee, MD

University of California San
Francisco
San Francisco, USA

Liwen Liu, MD

Xijing Hospital, Fourth Military
Medical University
Xi'an, China

Xianbao Liu, MD

The Second Affiliated Hospital
of Zhejiang University School of
Medicine
Zhejiang, China

Avraham Lorber, MD

Rambam Medical Center
Haifa, Israel

Fang-Lin Lu, MD

Changhai Hospital
Shanghai, China

Sulaiman Lubega, MD

Uganda Heart Institute / Mulago
Hospital Kampala
Kampala, Uganda

Vaikom Mahadevan, MD

University of California San
Francisco
San Francisco, USA

Ajay Mahajan, MD

Lokmanya Tilak Municipal
Medical College & Hospital
Mumbai, India

Shreesha Maiya, MD

Narayana Institute of Cardiac
Sciences
Bengaluru, India

Iqbal Malik, MD

Imperial College Healthcare
NHS Trust
London, United Kingdom

Antonio Mangieri, MD

San Raffaele Hospital
Milan, Italy

Norman Mangner, MD

Dresden Heart Center
Dresden, Germany

Amr Mansour, MD

Ain Shams University
Cairo, Egypt

SCIENTIFIC FACULTY

CSI CONFERENCE

**Sujeev Mathur, MD**

Evelina London Children's Hospital
London, United Kingdom

Takashi Matsumoto, MD

Sendai Kosei Hospital
Sendai, Japan

Shafeeq Mattummal, MD

Aster MIMS
Kozhikode, India

Mackenzie Mbai, MD

University of Minnesota
Minneapolis, USA

Karen McCarthy, MD

Royal Brompton and Harefield Foundation NHS Trust
London, United Kingdom

Brian McCrossan, MD

Royal Belfast Hospital for Sick Children
Belfast, United Kingdom

Daniel McLennan, MD

Westmead Children's Hospital
Westmead, Australia

Evgeny Merkulov, MD

Russian Cardiology Research
Moscow, Russia

Andreas Metzner, MD

Asklepios Klinik Hamburg
Hamburg, Germany

Ina Michel-Behnke, MD

Medical University of Vienna
Vienna, Austria

Angelo Micheletti, MD

I.R.C.C.S. Policlinico San Donato
Milan, Italy

Carmen Moldovan, MD

National and Kapodistrian University of Athens
Athens, Greece

Mirella Molenschot, MD

University Medical Center
Utrecht, The Netherlands

Hojjat Mortezaiean, MD

Iran University of Medical Sciences
Tehran, Iran

Manish, Motwani, MD

Central Manchester University Hospital
Manchester, United Kingdom

Vivek Muthurangu, MD

Great Ormond Street Hospital for Children
London, United Kingdom

Yoshifumi Nakajima, MD

Iwate University
Morioka, Japan

Debabrata Nandi, MD

Rabindranath Tagore International Institute of Cardiac Sciences
Kolkata, India

Massimo Napodano, MD

University of Padova
Padova, Italy

Keshav Nayak, MD

Scripps Memorial Hospital
La Jolla
San Diego, USA

Georg Nickenig, MD

University Hospital Bonn
Bonn, Germany

Anthony Nobles

HeartStitch
Fountain Valley, USA

Takehiro Nomura, MD

Sendai Kousei Hospital
Sendai, Miyagi, Japan

Johannes Nordmeyer, MD

Deutsches Herzzentrum Berlin
Berlin, Germany

Eustaquio Onorato, MD

Humanitas Gavazzeni Clinic
Bergamo, Italy

Martin Orban, MD

Ludwig-Maximilians-University of Munich
Munich, Germany



SCIENTIFIC FACULTY

CSI CONFERENCE

Alexander Osiev, MD

Moniki Hospital
Moscow, Russia

Ellen Ostenfeld, MD

Lund University
Lund, Sweden

Alper Oener, MD

Rostock University
Rostock, Germany

Manuel Pan, MD

Hospital Universitario
Reina Sofia
Cordoba, Spain

Xiangbin Pan, MD

National Center for
Cardiovascular Diseases
Beijing, China

Prokhor Pavlov, MD

District Clinical Hospital, Medical
School of Khanty-Mansysk
Khanty-Masijsk, Russia

Ravindra, Pawar, MD

Kids Heart Clinic
Kolhapur, India

Nils Petri, MD

University of Wuerzburg
Wuerzburg, Germany

Francesca Pluchinotta, MD

I.R.C.C.S. Policlinico San Donato
Milan, Italy

Diego Porras, MD

Boston Children's Hospital
Boston, USA

Radityo Prakoso, MD

Indonesian National
Cardiovascular Center Harapan
Kita Hospital
Jakarta, Indonesia

Worakan Promphan, MD

Queen Sirikit National Institute
of Child Health, Pediatric Cardiac
Center
Bangkok, Thailand

Kuberan Pushparajah, MD

Evelina London Children's
Hospital
London, United Kingdom

Prakash Ramachandra, MD

Narayana Institute of Cardiac
Sciences
Bengaluru, India

Oleg Reich, MD

Charles University, University
Hospital Motol
Prague, Czech Republic

Markus Reinthaler, MD

Charite - Medical University
of Berlin
Berlin, Germany

Mark Reisman, MD

University of Washington
Medical Center
Seattle, USA

Gianluca Rigatelli, MD

Ospedale Santa Maria della
Misericordia
Rovigo, Italy

Stephan Rosenkranz, MD

Heart Center at the University
of Cologne
Cologne, Germany

Alaa Mahmoud Roushdy, MD

Ain Shams University
Cairo, Egypt

Supaporn Roymanee, MD

Songklanagarind Hospital,
Prince of Songkla University
Songkhla, Thailand

Hendrik Ruge, MD

German Heart Center
Munich, Germany

Neil Korsholm Ruparelia, MD

Hammersmith Hospital
London, United Kingdom

Robert Sabiniewicz, MD

Medical University of Gdansk
Gdansk, Poland

SCIENTIFIC FACULTY

CSI CONFERENCE

**Mike Saji, MD**

Sakakibara Heart Institute
Tokyo, Japan

Caner Salih, MD

St Thomas' Hospital
London, United Kingdom

Stefano Salizzoni, MD

Molinette Hospital
Torino, Italy

Angel Sanchez, MD

Hospital Universitario
Ramon y Cajal
Madrid, Spain

Juan Pablo Sandoval, MD

National Institute of Cardiology
of Mexico
Mexico City, Mexico

Markus Sandri, MD

Universitaet Leipzig
Herzzentrum
Leipzig, Germany

Saurabh Sanon, MD

Palm Beach Gardens Medical
Center - Tenet Healthcare,
Florida Atlantic University
Boca Raton, USA

Giuseppe Santoro, MD

AORN Ospedali dei Colli
Napoli, Italy

Shyam Sathanandam, MD

The University of Tennessee
Health Science Center
Memphis, USA

Keyhan Sayadpour, MD

Children's Medical Center
Tehran University of Medical
Sciences
Tehran, Iran

Ulrich Schaefer, MD

University Heart Center
Hamburg, Germany

Michal Schafer, MD

Children's Hospital Colorado
Franktown, USA

Martin Schneider, MD

Asklepios Hospital
Sankt Augustin, Germany

Matthias Schneider, MD

University Hospital
Giessen, Germany

Nalan Schnelle, MD

St. Josefs Hospital
Wiesbaden, Germany

Dietmar Schranz, MD

Pediatric Heart Center
Giessen, Germany

Stephan Schubert, MD

German Heartcenter
Berlin, Germany

Alexander Sedaghat, MD

University Hospital Bonn
Bonn, Germany

Hubert Seggewiss, MD

Leopoldina-Hospital
Schweinfurt, Germany

Sergey Semitko, MD

Moscow Research and Practical
Centre for Narcology
Moscow, Russia

Mahmoud Shabestari, MD

Mashhad University of Medical
Center
Mashhad, Iran

Shabana Shahanavaz, MD

Washington University in
St Louis
St Louis, USA

Arvind Singh, MD

Institute of CardioVascular
Disease, The Madras Medical
Mission
Chennai, India

Anil Kumar Singhi, MD

Medica Superspeciality Hospital
Kolkata, India

Kothandam Sivakumar, MD

Institute of Cardio Vascular
Diseases, The Madras Medical
Mission
Chennai, India



SCIENTIFIC FACULTY

CSI CONFERENCE

Roel Snijder, MD

Catharina Ziekenhuis
Eindhoven, The Netherlands

Jan Solem, MD

University of Lund/Syntach
Lund, Sweden

Lars Sondergaard, MD

Rigshospitalet
Copenhagen, Denmark

Jae-Kwan Song, MD

Asan Medical Center
Seoul, South Korea

Kevin Stiver, MD

OhioHealth
Columbus, USA

Miroslava Stolcova, MD

Structural Interventional
Cardiology, Careggi Hospital
Florence, Italy

Oliver Stumper, MD

Birmingham Children's Hospital
Birmingham, United Kingdom

Xi Su, MD

Asian Cardiovascular Hospital
Wuhan, China

Ahmed Ali Suliman, MD

National Cardiothoracic Center
Khartoum, Sudan

Nilesh Sutaria, MD

Imperial College NHS Trust
London, United Kingdom

Pangeran Akbar Syah, MD

Faculty of Medicine University
of Indonesia & National Cardiac
Center of Harapan Kita
Jakarta, Indonesia

Yoichi Takaya, MD

Okayama University
Okayama, Japan

Demetris Taliotis, MD

Bristol Royal Hospital for
Children
Bristol, United Kingdom

Alexander Tamm, MD

University Medical Center Mainz
Mainz, Germany

Maurizio Taramasso, MD

University Hospital of Zurich
Zurich, Switzerland

Endale Tefera, MD

School of Medicine, University
of Botswana
Gaborone, Botswana

Holger Thiele, MD

University of Leipzig
Leipzig, Germany

Do Nguyen Tin, MD

Nhi Dong Children's Hospital #1
Ho Chi Minh City, Vietnam

Satoru Toi, MD

Toho University Ohashi Medical
Center
Tokyo, Japan

Kirsten Tolstrup, MD

University of California
San Francisco
San Francisco, USA

Mark Turner, MD

University Hospitals Bristol NHS
Foundation Trust
Bristol, United Kingdom

Michael Tynan, MD

Guy's Hospital London
London, United Kingdom

Apostolos Tzikas, MD

AHEPA University Hospital /
Interbalkan European Medical
Center
Thessaloniki, Greece

Eric Van Belle, MD

Lille University Hospital
Lille, France

Nicolas Van Mieghem, MD

Erasmus Medical Center
Rotterdam, The Netherlands

Rajasekhar Varada, MD

Yashoda Hospitals
Hyderabad, India

Joseph Vettukattil, MD

Helen DeVos Children's Hospital
Grand Rapids, USA

SCIENTIFIC FACULTY

CSI CONFERENCE

**Jean Villareal, MD**

Philippines Heart Center
Quezon City, Philippines

Rochus Voeller, MD

University of Minnesota
Minneapolis, USA

Stephan von Bardeleben, MD

Heart Center Mainz
Mainz, Germany

Michiel Voskuil, MD

University Medical Center
Utrecht
Utrecht, The Netherlands

Hamish Walker, MD

Leeds General Infirmary
Leeds, United Kingdom

Kevin Walsh, MD

Our Lady's Children's Hospital,
Crumlin
Dublin, Ireland

Thomas Walther, MD

Kerckhoff HeartCenter
Bad Nauheim, Germany

Dee Dee Wang, MD

Henry Ford Heart and Vascular
Institute
Detroit, USA

Giora Weisz, MD

Montefiore-Einstein Center for
Heart and Vascular Care
New York, USA

Nikos Werner, MD

Krankenhaus der Barmherzigen
Brüder
Trier, Germany

Marcus Wiemer, MD

Johannes Wesling Klinikum
Minden
Minden, Germany

Robert Wilson, MD

University of Minnesota
Minneapolis, USA

Felix Woitek, MD

Technical University Dresden
Dresden, Germany

Wojciech Wojakowski, MD

Medical University of Silesia
Katowice, Poland

Alberta Yen, MD

Stanford University
Stanford, USA

Tobias Zeus, MD

Universitätsklinikum
Duesseldorf
Duesseldorf, Germany



LOCAL SCIENTIFIC FACULTY

CSI CONFERENCE

Robert Andel, MD

CardioVascular Center Frankfurt CVC
Frankfurt, Germany

Mathias D'Souza, MD

CardioVascular Center Frankfurt CVC
Frankfurt, Germany

Bojan Jovanovic, MD

CardioVascular Center Frankfurt CVC
Frankfurt, Germany

Predrag Matic, MD

CardioVascular Center Frankfurt CVC
Frankfurt, Germany

Loubna Mzireg, MD

CardioVascular Center Frankfurt CVC
Frankfurt, Germany

Kolja Sievert, MD

CardioVascular Center Frankfurt CVC
Frankfurt, Germany

Anja Vogel, MD

CardioVascular Center Frankfurt CVC
Frankfurt, Germany

Ruzbeh Zaker Shahrak, MD

CardioVascular Center Frankfurt CVC
Frankfurt, Germany

ABSTRACT REVIEW COMMITTEE

CSI CONFERENCE

**Teiji Akagi, MD**

Okayama University Hospital
Okayama, Japan

Mohamad Alkhouli, MD

West Virginia University
Morgantown, USA

Zahid Amin, MD

Children's Hospital of Georgia
Regents University
Augusta, USA

James Bentham, MD

Leeds General Infirmary
Leeds, United Kingdom

John Breinholt, MD

Memorial Hermann
Houston, USA

Gianfranco Butera, MD

I.R.C.C.S. Policlinico San Donato
Milan, United Kingdom

Allison Cabalka, MD

Mayo Clinic
Rochester, USA

Jae-Young Choi, MD

Severance Cardiovascular
Hospital
Seoul, South Korea

David Crossland, MD

Freeman Hospital
Newcastle, United Kingdom

Gry Dahle, MD

Rikshospitalet
Oslo, Norway

Bharat Dalvi, MD

Glenmark Cardiac Centre
Mumbai, India

Matthew Daniels, MD

Oxford University Hospitals
NHS Trust
Oxford, United Kingdom

Joseph DeGiovanni, MD

Queen Elizabeth Hospital
Birmingham, United Kingdom

Jennifer Franke, MD

University of Heidelberg
Heidelberg, Germany

Hidehiko Hara, MD

Toho University Ohashi
Medical Center
Tokyo, Japan

Henri Justino, MD

Texas Children's Hospital
Houston, USA

Suresh Kumar, MD

Believers International Heart
Centre
Kerala, India

Simon Lam, MD

Queen Mary Hospital
Hong Kong, China

Philip MacCarthy, MD

King's College London and King's
College Hospital
London, United Kingdom

Gareth Morgan, MD

University of Colorado
Denver, USA

Worakan Promphan, MD

Queen Sirikit National
Institute of Child Health,
Pediatric Cardiac Center
Bangkok, Thailand

Kuberan Pushparajah, MD

Evelina London Children's
Hospital
London, United Kingdom

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Madras Medical Mission
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WEDNESDAY, JUNE 26



CSI CONFERENCE



WEDNESDAY

07.00 - 08.00

CSI



07.00 - 08.00

EXHIBITION AREA / 1ST FLOOR

BREAKFAST



08.00 - 09.50

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

WHAT'S NEW IN IMAGING

Moderators / Shakeel Qureshi / Alison Duncan

Panelists / Xianbao Liu / Ole De Backer / Nilesh Sutaria

TrueVue photo-realistic rendering and lighting source technology / Alison Duncan

Dynamic CT-based planning of mitral and tricuspid interventions using the LARALAB software / Felix Kreidel

HOLOSCOPE-i / Elchanan Bruckheimer

HoloLenz – virtual reality for planning of surgeries and interventions / Gry Dahle

Echo-fluoro fusion: three situations where it was a huge help and three where it did not help / John Carroll

Virtual and real model simulation for intervention in congenital heart disease / Tarique Hussain

A new way of fusing X-ray/CT and echo based on echomodels instead of using contrast / Martin Swaans

FEops CT-simulations fused with X-ray / Martin Swaans

3mensio: multimodality pre-operative planning for structural heart interventions / Hasan Jilaihawi

Siemens 4D ICE / Vaikom Mahadevan

EchoPixel / Lee Benson

Disruptive technology: dielectric imaging / Shlomo Ben Haim

DISCUSSION

**WE WANT TO HEAR
YOUR OPINION!**



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08.00 – 09.50

CONGRESS THEATRE / 2ND FLOOR

LIVE THEATRE

Moderators / John Carroll / Mario Carminati

Panelists / John Thomson / Mohamad Alkhoul / Matthew Daniels

LIVE CASE TRANSMISSION FROM

CardioVascular Center CVC Frankfurt, Frankfurt, Germany



09.50 – 10.20

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK



**DON'T
MISS**





10.20 - 12.30

CONGRESS THEATRE / 2ND FLOOR

CSI HIGHLIGHTS OF THE YEAR: INTERVENTIONAL IMAGING

Moderators / Shakeel Qureshi / Sergio Berti

Panelists / Ole De Backer / Elchanan Bruckheimer

Facilitator / Tarique Hussain

LIVE CASE TRANSMISSION FROM

CardioVascular Center CVC Frankfurt, Frankfurt, Germany

Interactive demonstrations of:

- TrueVue / Bushra Rana
- EchoPixel / Lee Benson
- FEops / Martin Swaans

Disruptive technology: dielectric imaging / Shlomo Ben Haim

Siemens 4D ICE – a review and discussion of different applications

- Tricuspid valve leaflets interventions / Kevin Stiver
- Device closure of atrial septal defect / Vaikom Mahadevan
- Structural heart interventions / Kimberly Chadwell

DISCUSSION

CAST YOUR VOTE

Return your voting slip to the ballot boxes located at the registration desk or in the main lecture hall (Harmonie) by Friday, 18.30.



WEDNESDAY

12.30 – 18.00

CSI



12.30 – 12.50

EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES



12.50 – 14.20

CONCLUSIO 2 / 1ST FLOOR

CHALLENGING CASES FROM RUSSIA

Moderators / Bagrat Alekryan / Alexander Osiev

Panelists / Sergey Semitko / Evgeniy Merkulov / Igor Buzaev
/ Timur Imaev / Prokhor Pavlov

Facilitator / Eustaquio Onorato

Bicuspid aortic valve and TAVI: two leaflets but a lot of problems / Timur Imaev

Successful closure of multiple VSDs with one occluder and one plug after twice performed open heart surgery / Alexander Osiev

Non-standard use of foramen ovale in interventional procedures (“O2 technique”) / Igor Buzaev

Successful “amplatzering” of the AMI-VSD on 4th day / Sergey Semitko

Staged treatment of complex AMI patients: PCI and ventricular septal rupture repair / Prokhor Pavlov

Transcatheter postMI ventricularseptal rupture with Occlutech PIVSD device: first experience in Russia / Evgeniy Merkulov

Magistral lecture

State of the art on congenital, structural and valvar heart disease intervention programs in Russia / Bagrat Alekryan

DISCUSSION



16.50 – 18.00

CONGRESS THEATRE / 2ND FLOOR

CASES YOU HAVE NEVER SEEN BEFORE (CSI AFRICA @ CSI)

Moderators / Shakeel Qureshi / Allison Cabalka

Panelists / Sulaiman Lubega / Endale Tefera / Maiy El Sayed

Case 1: stenting obstructed pulmonary venous baffle post senning operation / Maiy El Sayed

Case 2: recanalizing a pulmonary artery / Endale Tefera



Case 3: pulmonary vein laceration during PMV

/ Ahmed Ali Suliman

Case 4: device closure of iatrogenic mitral-aortic intervalvular fibrosa pseudoaneurysm / Sherien Abdelsalem

Case 5: stent infection following tricuspid infective endocarditis / Habib Gamra

Case 6: how to manage an acute thrombosis of the abdominal aorta? / Habib Gamra

DISCUSSION



15.50 – 18.30

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

KOL CASE COMPETITION WITH LIVE: VALVAR

Moderators / John Carroll / Vaikom Mahadevan

Panelists / Kothandam Sivakumar / Joseph DeGiovanni / Ted Feldman

Live center coordinator / Simon Lam

LIVE CASE TRANSMISSIONS FROM

Minneapolis Veterans Affairs Medical Center, Minneapolis, USA
and Cleveland Medical Center, Cleveland, USA

KOL challenge / Eberhard Grube vs. Adam Greenbaum

**WE WANT TO HEAR
YOUR OPINION!**



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ICI
Gareth Morgan



WEDNESDAY, JUNE 26



NEONATAL INTERVENTIONS



WEDNESDAY

10.20 – 15.20

CSI FOCUS



10.20 – 12.30

FANTASIE / 2ND FLOOR

DUCT DEPENDENT PULMONARY BLOOD FLOW INTERVENTIONS IN NEONATES

Moderators / James Bentham / Diego Porras

Panelists / John Thomson / Osama Jaber / Gareth Morgan

Facilitator / Dietmar Schranz

Recorded case / John Thomson

Patient selection for stenting (or shunting?)

/ Dietmar Schranz

Stenting or shunting – which is better? / James Bentham

Techniques for stenting the duct / Kothandam Sivakumar

Complications of stenting / Martin Schneider

Jailing of the LPA: how much should we worry?

/ Dietmar Schranz

Surgery after stenting the duct / Osama Jaber

Treating coronary connections in pulmonary atresia with intact ventricular septum / Martin Schneider

Hybrid ductal stenting vs. Norwood / Caner Salih

DISCUSSION



12.30 – 12.50

EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES



12.50 – 15.20

FANTASIE / 2ND FLOOR

RVOT STENTING IN NEONATES

Moderators / Gareth Morgan / John Thomson

Panelists / Boulos Asfour / Demetris Taliotis / Ina Michel-Behnke

Facilitator / Shakeel Qureshi

Indications / Demetris Taliotis

Equipment choices: which wire, stent and delivery system to have available / Oliver Stumper

Step by step RVOT stenting: recorded case / Gareth Morgan

RVOT stenting during cyanotic spells – how safe can we make it? / Demetris Taliotis

Complications of RVOT stenting / John Thomson



Surgical techniques (and challenges) following RVOT stenting / Boulos Asfour

Ductal stenting or RVOT stenting – which is better when there's a choice? / Ina Michel-Behnke

Pros and cons of preserving the pulmonary valve / Gareth Morgan

When should a cardiologist ask for a shunt?

Case-based lecture / Giuseppe Santoro

When should a surgeon ask for an RVOT stent?

Case-based lecture / Caner Salih

DISCUSSION



15.20 – 15.50

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK



15.50 – 16.50

FANTASIE / 2ND FLOOR

MAJOR PROBLEMS FOR IMAGING IN NEONATES

Moderators / Gareth Morgan / John Thomson

Panelists / Kuberan Pushparajah / Hamish Walker / Saleha Kabir

Facilitator / Zahid Amin

Decision making in neonatal intervention – all you need is echocardiography! / Saleha Kabir

Decision making in neonatal intervention – what does CT add? / Sujeev Mathur

Decision making in neonatal intervention – what does MRI add? / Hamish Walker

Fusion imaging in neonatal interventions / Mirella Molenschot

DISCUSSION

CSI HIGHLIGHTS OF THE YEAR: CAST YOUR VOTE

Return your voting slip to the ballot boxes located at the registration desk or in the main lecture hall (Harmonie) by Friday, 18.30.



WEDNESDAY

16.50 – 18.00

CSI FOCUS



16.50 – 18.00

FANTASIE / 2ND FLOOR

PULMONARY VEIN STENOSIS IN NEONATES

Moderators / Henri Justino / Lee Benson

Panelists / Diego Porras / Gareth Morgan

Facilitator / Martin Schneider

Assessment of pulmonary vein stenosis and changing indications for treatment / Diego Porras

Conventional and cutting balloon angioplasty / James Bentham

Stenting of pulmonary veins? / Martin Schneider

Drug therapy (stents/balloons/systemic treatment) / Lee Benson

Multiple, recurrent interventions – are we adding to the damage? / Henri Justino

DISCUSSION

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YOUR OPINION!**



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WEDNESDAY, JUNE 26



MITRAL VALVE



WEDNESDAY

10.20 – 15.20

CSI FOCUS



10.20 – 12.30

SPEKTRUM / 1ST FLOOR

MITRAL VALVE INTERVENTION IN MITRAL VALVE STENOSIS

Moderators / Habib Gamra / Gry Dahle

Panelists / Kirsten Tolstrup / Ahmed Ali Suliman / Karen McCarthy

Facilitator / Mayra Guerrero

Anatomy of the stenotic mitral valve / Karen McCarthy

Mitral stenosis quantification and pitfalls – including assessment in multivalve disease / Nilesh Sutaria

Intervention for rheumatic mitral stenosis

- How to perform balloon mitral valvuloplasty – my 8 most important tips and tricks / Habib Gamra
- Optimal patient selection and long term outcomes / Ahmed Ali Suliman
- Imaging assessment for balloon mitral valvuloplasty / Mahimarangaiah Jayaranganath

Valve in Mitral Annular Calcification – MAC

- Pathophysiology of MAC / tbd
- Imaging assessment for transcatheter mitral valve in MAC / Dee Dee Wang
- Transcatheter approaches to valve in MAC – the potential complications (valve migration, LVOT obstruction, paravalvar leaks) / Danny Dvir
- Perfecting the technique – open atrial transcatheter approach / Gry Dahle
- Outcomes for valve in MAC: what we know so far / Mayra Guerrero

DISCUSSION



12.30 – 12.50

EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES



12.50 – 15.20

SPEKTRUM / 1ST FLOOR

TRANSCATHETER THERAPIES FOR MITRAL REGURGITATION: PART 1

Moderators / Adam Greenbaum / Mayra Guerrero

Panelists / Vaikom Mahadevan / Ulf Landmesse

Facilitator / Mackenzie Mbai

**Role of imaging**

- TEE imaging for patient selection / Felix Kreidel
- Optimal procedure imaging / Mackenzie Mbai

FMR trial update

- COAPT, Mitra FR, REDUCE FMR:
similarities and discrepancies / Martin Orban

MitraClip: case-based learning

- Step by step (case example) / Mamta Buch
- Leaflet detachment and clip embolization
/ Stephan von Bardeleben
- Treatment for cardiogenic shock / John Carroll
- Second MitraClip procedure for recurrent MR
/ Markus Reinthaler
- Case Review: MitraClip / NeoChord / Georg Nickenig

Update on other mitral repair techniques

- Advanced interventions with NeoChord:
leaflet augmentation / Stefano Salizzoni
- Case Review: NeoChord / Cardioband
/ Georg Nickenig
- NeoChord Transcatheter Program Update / Horst Sievert
- MitralStitch / Cheng Wang
- HeartStitch / Anthony Nobles

DISCUSSION

15.20 – 15.50

EXHIBITION AREA / 1ST FLOOR**TEA AND COFFEE BREAK**

15.50 – 17.20

SPEKTRUM / 1ST FLOOR**TRANSCATHETER THERAPIES
FOR MITRAL REGURGITATION:
PART 2****Moderators** / Gry Dahle / Lars Sondergaard**Panelists** / Neil Ruparelia / Amar Krishnaswamy**Facilitator** / Eric Van Belle**Real world experience (use of TAVI valves in mitral
position)**

- Mitral valve-in-valve / Amar Krishnaswamy
- Mitral valve in ring / Mayra Guerrero



WEDNESDAY

15.50 – 17.20

CSI FOCUS

Update on selected transcatheter mitral valve replacement technologies in native mitral valve disease

- Sapien M3 early feasibility study / tbd
- Tendyne – global feasibility study / Alison Duncan
- Intrepid (APOLLO) / Lars Sondergaard
- Tiara / Lenard Conradi
- Live in a box / Gry Dahle
- Transeptal mitral valve replacement: myth or reality?
/ Eric Van Belle

DISCUSSION

CSI HIGHLIGHTS OF THE YEAR: CAST YOUR VOTE

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WEDNESDAY, JUNE 26



DEVICE DEVELOPMENT



WEDNESDAY

10.20 - 15.20

CSI FOCUS



10.20 - 12.20

ILLUSION 2 - 3 / 2ND FLOOR

PRECLINICAL: FROM PROTOTYPE TO PRODUCT AND ASSOCIATED FUNDING CHALLENGES

Moderators / Sameer Gafoor / Todd Brinton

Panelists / Maarten Ketelaars / Alope Virmany Finn / Richard Lilly

World full of changes - what are they? / Yuval Binur

Patents and pitfalls / Maarten Ketelaars

Animal models: selection and limitations / Alope Virmani Finn

Validation and verification: structure & design / Richard Lilly

Interview by Stephen Levin

Expectation alignment in the pre-clinical process:
entrepreneurs and investors / Nicolas Borenstein

/ Stan Rabinovich

Case example / tbd

Case example CardiacBooster / Daniel van Dort

PANEL DISCUSSION



12.20 - 13.20

EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES + NETWORKING + POSTERS



13.20 - 15.20

ILLUSION 2 - 3 / 2ND FLOOR

CLINICAL: FROM ANIMALS TO HUMANS AND ASSOCIATED FUNDING CHALLENGES

Moderators / Sameer Gafoor / Kathleen Marshal

Panelists / Volker Luecker / Sujith Shetty / Carlos Granada

Evolving regulatory landscapes - Europe / Volker Luecker

Evolving regulatory landscapes - USA / Sujith Shetty

Evolving regulatory landscapes - China CFDA/Asia/
South America / Carlos Granada

**Interview by David Cassak**

Expectation alignment in the clinical process:
 entrepreneurs and investors / Charles Taylor / Hanson Gifford
 / Ted Feldman

Case example AMT Medical / Rutger Tulleken

Case example / tbd

PANEL DISCUSSION

15.20 – 15.50
EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK

15.50 – 17.50
ILLUSION 2 – 3 / 2ND FLOOR

COMMERCIALIZATION: FROM CLINICAL RESEARCH TO REALITY AND ASSOCIATED FUNDING CHALLENGES

Moderators / Todd Brinton / Stan Rabinovich

Panelists / Kathleen Marshall / Mattias Kyhlstedt / Barbara Zwick

Clinical trial execution: meeting the milestones and
 managing resources / Kathleen Marshall

Reimbursement: managing the process / Mattias Kyhlstedt

Collecting data and generating insights during clinical
 research / Barbara Zwick

Learning from failures / Yuval Binur

Interview by Stephen Levin and David Cassak

Expectation alignment in the post-market process:
 investors and entrepreneurs / Jeff Jump / Florian Ludwig

Case example EchoPixel / Sergio Aguirre

Case example Thermopeutix / Ron Solar

Case example AutoTissue Berlin / Christoph Schmitz

FINANCING FORUM

17.50 – 18.00
ILLUSION 2 – 3 / 2ND FLOOR

CLOSING REMARKS

/ Sameer Gafoor / Todd Brinton





WEDNESDAY, JUNE 26



PARAVALVAR LEAK CLOSURE



WEDNESDAY

10.20 – 12.30

CSI FOCUS



10.20 – 11.35

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

BACKGROUND, MORPHOLOGY AND IMAGING OF PARAVALVAR LEAKS

Moderators / Eustaquio Onorato / Thomas Walther

Panelists / Rafael Hirsch / Mohamad Alkhouli / Patrick Calvert

Etiology and prognosis of paravalvar leaks after surgical valve replacement / Thomas Walther

How to evaluate aortic paravalvar leaks using echo / Felix Kreidel

How to evaluate mitral paravalvar leaks using echo / Saleha Kabir

How to evaluate paravalvar leaks after TAVI / Nilesh Sutaria

Role of pre-procedure imaging by CT (Locating the defect(s), sizing the defect, planning access route (TSP v TA v retrograde approach) / Dee Dee Wang

Fusion imaging for paravalvar leak closure / Eustaquio Onorato

DISCUSSION



11.35 – 12.30

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

PARAVALVAR AORTIC LEAK CLOSURE: CASE-BASED LECTURES

Moderators / Iqbal Malik / Jonathan Byrne

Panelists / Eric Van Belle / Chad Kliger / Rafael Hirsch

How to close post-surgical aortic paravalvar leaks

- Bioprosthetic valves / Iqbal Malik
- Mechanical valves / Patrick Calvert

How to close paravalvar TAVI leaks

- Post dilation, snaring, valve-in-valve / Eberhard Grube
- Device closure / Jonathan Byrne

Challenges and complications of aortic paravalvar leak closure / Rafael Hirsch

DISCUSSION



12.30 – 12.50
EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES



12.50 – 15.20
MAIN LECTURE HALL HARMONIE / 1ST FLOOR

PARAVALVAR MITRAL, TRICUSPID AND PULMONARY LEAK CLOSURE

Moderators / Shakeel Qureshi / Alain Fraisse

Panelists / Takeshi Arita / Mohamad Alkhoulil / Reda Abuelatta

LIVE CASE TRANSMISSION FROM

CardioVascular Center CVC Frankfurt, Frankfurt, Germany

How to close mitral paravalvar leaks

Case-based lectures

- using retrograde access / Hidehiko Hara
- using transseptal access / Mohamad Alkhoulil
- using percutaneous transapical access / Reda Abuelatta

Challenges and complications of mitral paravalvar leak closure / Allison Cabalka

Transcatheter closure of tricuspid or pulmonary paravalvular and para annular leaks

/ Alain Fraisse

First prospective trial of Occlutech PLD for paravalvular leak closure in Japan: RESEAL study / Takeshi Arita

PLD registry result / Eustaquio Onorato

Mitral valve leak closure in a patient with mechanical aortic prosthesis / Dabit Arzamendi

DISCUSSION

**WE WANT TO HEAR
YOUR OPINION!**



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PULMONARY ARTERY STENOSIS



WEDNESDAY

12.50 – 15.50

CSI FOCUS



12.50 – 15.20

CONRESS THEATRE / 2ND FLOOR

IMAGING, INDICATIONS FOR TREATMENT AND TREATMENT OPTIONS FOR PULMONARY ARTERY STENOSIS

Moderators / Mario Carminati / Martin Schneider

Panelists / Ravindra Pawar / Prakash Ramachandra / Arvind Singh

Facilitator / Diego Porras

Morphology of congenital and post-operative pulmonary artery stenosis / Karen McCarthy

Pre-procedural imaging / Vivek Muthurangu

When to treat and when it's better not to – case-based lecture / Mario Carminati

Treatment options: angioplasty, cutting balloons, stents / Peter Ewert

Special considerations in syndromes / Diego Porras

Stent technologies / Martin Schneider

Intraprocedural imaging / Mirella Molenschot

Complex bifurcation stenoses / Oliver Stumper

Hybrid approach / Martin Schneider

Follow-up imaging after intervention / Sujeev Mathur

Recorded case / Mario Carminati

DISCUSSION



15.20 – 15.50

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK

CSI HIGHLIGHTS OF THE YEAR: CAST YOUR VOTE

Return your voting slip to the ballot boxes located at the registration desk or in the main lecture hall (Harmonie) by Friday, 18.30.



15.50 – 16.50

CONRESS THEATRE / 2ND FLOOR

COMPLICATIONS AND CASE PRESENTATIONS OF PULMONARY ARTERY STENOSIS

Moderators / Shyam Sathanandam / Maiy El Sayed

Panelists / Anil Singhi / Bharathap A P / Joseph Vettukattil

Facilitator / Shabana Shahanavaz

Complications of pulmonary artery stenting / Peter Ewert

My most challenging case – treated by balloon / Maiy El Sayed

My most challenging case – treated by cutting balloon

/ Shyam Sathanandam

My most challenging case – treated by stent

/ Shabana Shahanavaz

DISCUSSION





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THURSDAY, JUNE 27



CSI CONFERENCE



THURSDAY

07.00 – 10.10

CSI



07.00 – 08.00

EXHIBITION AREA / 1ST FLOOR

BREAKFAST



07.00 – 08.00

E-POSTER AREA / 2ND FLOOR

MODERATED E-POSTER SESSIONS

E-poster session 1: **pulmonary circulation, pulmonary valve and RVOT stenting**

Moderators / Gareth Morgan / David Crossland

E-poster session 2: **valve disease 1**

Moderators / Eric Van Belle / Patrick Calvert

E-poster session 3: **valve disease 2**

Moderators / Marius Hornung / Teiji Akagi

E-poster session 4: **coarctation and ducts**

Moderators / Gianfranco Butera / Suresh Kumar

E-poster session 5: **miscellaneous 1**

Moderators / James Bentham / Gry Dahle

E-poster session 6: **miscellaneous 2**

Moderators / Simon Lam / Kolja Sievert

E-poster session 7: **challenging cases from Asia**

Moderators / Henri Justino / Zahid Amin

E-poster session 8: **PFO and other septal defects**

Moderators / Mohamad Alkhouli / Jae-Young Choi

DISCUSSION



08.00 – 10.10

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

WHAT'S NEW

Moderators / Shakeel Qureshi / Sameer Gafoor

Panelists / Saurabh Sanon / Gianluca Rigatelli / Andreas Metzner / Shmuel Banai

LIVE CASE TRANSMISSION FROM

The First Affiliated Hospital of Nanjing Medical University,
Nanjing, China



Congenital coronary artery anomalies: pathophysiology, relation with sudden death and catheter based interventions / Gianluca Rigatelli

New treatment option for HOCCM – percutaneous intramyocardial radiofrequency ablation (The Liwen procedure) / Liwen Liu

X3 platform for laser-based ablation of atrial fibrillation / Andreas Metzner

Catheter technique for removal of cardiac tumors / Krzysztof Kaczmarek

Coronary Sinus Reducer for treatment of refractory angina / Shmuel Banai

Endovascular aortic valve plus stent graft conduit / Martin Czerny

TSP Crosser transseptal access device / Federico De Marco

Lymphatic interventions to treat PLE and plastic bronchitis after Fontan / Marc Gewillig

B-Growth stent: 1 year follow-up / Oliver Kretschmar

Novel plug for paravalvar leak closure / Wojciech Wojakowski

EggNest radiation protection system / Robert Wilson

Non-invasive intra-cardiac pressure monitoring / Avraham Lorber

DISCUSSION



10.10 – 10.40

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

HELPING THE WORLD'S HEARTS

Moderators / Shakeel Osman / Shakeel Qureshi

Panelists / Allison Cabalka / Nikolaus Haas / Matthias Freund / Sulaiman Lubega

Introduction / Shakeel Osman

Heart warriors / Cassius Rayner

Healing Hearts (Chain of Hope) / Alan Magee

Success story from Uganda / Sulaiman Lubega

Pecha Kucha round / Allison Cabalka / Matthias Freund / Nikolaus Haas

DISCUSSION



10.40 – 11.10

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK

**DON'T
MISS**





11.10 – 13.35

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

CSI HIGHLIGHTS OF THE YEAR: STRUCTURAL

Moderators / Sameer Gafoor / Shakeel Qureshi

Panelists / Vaikom Mahadevan / Saurabh Sanon
/ Matthew Daniels

Live center coordinator / Apostolos Tzikas

LIVE CASE TRANSMISSIONS FROM

Fuwai Hospital, Beijing, China and

CardioVascular Center CVC Frankfurt, Frankfurt, Germany

Heart Failure

- Daily hemodynamic feedback using the world's first in-heart microcomputer for management of HF patients / Miroslava Stolcova
- Left atrial decompression with Occlutechs AFR / Nikolaus Haas
- NOYA: a new interatrial shunt technology – not leaving a device behind / Xiangqing Kong

LAA Closure

- The new WATCHMAN FLX / tbd
- First in man experience with OMEGATM LAA occluder / Lars Sondergaard

EchoPixel for structural heart defects – a new holography system / Saurabh Sanon

DISCUSSION

CAST YOUR VOTE

Return your voting slip to the ballot boxes located at the registration desk or in the main lecture hall (Harmonie) by Friday, 18.30.



THURSDAY

11.10 – 13.35

CSI



11.10 – 12.30

CONCLUSIO 2 / 1ST FLOOR

CSI & STRUCTURE CLUB JAPAN JOINT SESSION @ CSI

Moderators / Teiji Akagi / Eustaquio Onorato

Panelists / Hidehiko Hara / Jae Young Choi

Identification of high-risk patent foramen ovale associated with cryptogenic stroke: development of a scoring system / Yoichi Takaya

Simultaneous repair of Sinus Valsalva perforation and mitral paravalvular leakage by AMPLATZER Vascular Plug / Hidehiko Hara

“Re-do PVL closure” / Takeshi Arita

iatrogenic aortic dissection after TAVI / Shinya Ito

MitraClip for functional mitral regurgitation with absence of leaflets coaptation – zipping by clipping is only one solution? / Takashi Matsumoto

Possible improvement in frailty by successful transcatheter mitral valve repair with a MitraClip / Mike Saji
MitraClip procedure for aP2 prolapse severe mitral regurgitation patient after surgical repair with extra small left atrium / Yoshifumi Nakajima

DISCUSSION



11.10 – 13.35

ILLUSION 2 – 3 / 2ND FLOOR

INTERVENTION AND SUPPORT IN THE CRITICALLY ILL CHILD

Moderators / Demetris Taliotis / Lee Benson

Panelists / Sachin Khambadkone / Marc Gewillig / Vivian Dimas

Facilitator / Brian McCrossan

Surgeons and invasive cardiologists: Becoming equal partners in decision making in intensive care – surgical perspective / Caner Salih

Surgeons and invasive cardiologists: becoming equal partners in decision making in intensive care – interventional perspective / Brian McCrossan

Observation or decisive intervention? When to catheterize the struggling patient on ICU? / James Bentham

Risk stratification strategies for treatment in the very sick child / Brian McCrossan

Exit angiography and intervention / Lee Benson



Atrial decompression procedures. Who, what, when, where and how? / Demetris Taliotis

Mechanical support devices in congenital heart disease. What's out there? / Vivian Dimas

Percutaneous ECMO cannulation and catheterisation on ECMO / Gareth Morgan

Case presentations and round table discussion

- Catheterisation of the post-op neonate / Carrie Herbert
- Catheterisation on ECMO / Salim Javanji

DISCUSSION



13.35 – 13.45

EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES

**WE WANT TO HEAR
YOUR OPINION!**



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**DON'T
MISS**





13.45 - 15.45

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

CSI HIGHLIGHTS OF THE YEAR: CONGENITAL

Moderators / Gareth Morgan / Shakeel Qureshi

Panelists / John Thomson / Zahid Amin / Bharat Dalvi

Live center coordinator / Allison Cabalka

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center CVC Frankfurt, Frankfurt, Germany and
Institut Jantung Negara (National Heart Institute), Kuala Lumpur,
Malaysia

IBS bioresorbable iron stent for PDA stenting

/ Mazeni Alwi

Absnow / tbd

AMPLATZER Piccolo: PDA closure for patients as small
as 700 g / Shyam Sathanandam

P-Valve: a self-expanding percutaneous pulmonary
valve specifically for the native RVOT / Ziyad Hijazi

DISCUSSION

CAST YOUR VOTE

Return your voting slip to the ballot boxes located
at the registration desk or in the main lecture hall
(Harmonie) by Friday, 18.30.



THURSDAY

13.45 – 18.30

CSI



13.45 – 15.45

ILLUSION 2 – 3 / 2ND FLOOR

FROM NEWBORN TO ADULT – AORTIC STENOSIS

Moderators / Ziyad Hijazi / Dietmar Schranz

Panelists / Boulos Asfour / Oleg Reich / Jose Diez

Facilitator / Angelo Micheletti

Fetal detection and prediction of postnatal treatment

/ Adam Kolesnik

How imaging can guide treatment choice / Angelo Micheletti

DEBATE

For neonatal aortic stenosis

– Surgery is best / Caner Salih

– Ballooning is best / Gianfranco Butera

Aortic stenosis with borderline left ventricle / Dietmar Schranz

Age dependent access selection for balloon dilation

/ James Bentham

Long-term results of balloon dilation in children / Oleg Reich

Treatment of congenital aortic stenosis in adults / Iqbal Malik

Is there a role for TAVI in young patients / Jose Diez

DISCUSSION



15.45 – 16.15

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK



16.15 – 18.30

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

KOL CASE COMPETITION WITH LIVE: CONGENITAL

Moderators / Martin Schneider / Ziyad Hijazi

Panelists / Suresh Kumar / Vivian Dimas / Joseph Vettukattil

Live center coordinator / Worakan Promphan

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center CVC Frankfurt, Frankfurt, Germany and

Our Lady's Children's Hospital, Crumlin, Dublin, Ireland

KOL challenge / Gareth Morgan vs. Mario Carminati

DISCUSSION



16.15 – 18.30

ILLUSION 2 – 3 / 2ND FLOOR

FROM NEWBORN TO ADULT – CORONARY FISTULAS

Moderators / John Thomson / Shakeel Qureshi**Panelists** / Gianfranco Butera / Eric Horlick / Felix Berger**Facilitator** / Sachin Khambadkone

Embryology and morphology of coronary fistula

/ Karen McCarthy

Which investigations are necessary in asymptomatic coronary fistula? / Felix Berger

Is there ever an indication for primary surgery for coronary fistula? / Boulos Asfour

Indications for interventional treatment of coronary fistula in infancy / James Bentham

Technical aspects of treatment of coronary fistula in infancy / Gianfranco Butera

Indications for interventional treatment of coronary fistula in adults / Bharat Dalvi

Technical challenges of treating coronary fistula in adults / Shakeel Qureshi

Coronary interventionists should not independently treat coronary fistula / Sachin Khambadkone

Pediatric interventionists shouldn't independently treat coronary fistula / Eric Horlick

Case studies / Shakeel Qureshi

DISCUSSION



16.15 – 18.30

FANTASIE / 2ND FLOOR

HEMODYNAMICS FOR INTERVENTIONISTS

Moderators / Nikolaus Haas / Kuberan Pushparajah**Panelists** / Josef Bis / David Crossland / Daniel McLennan**Facilitator** / Michal Schafer

4D Flow MRI for pressure assessment – should we all update our CVs? / Michal Schafer

Hemodynamic assessment in the catheter lab / David Crossland

Exercise catheterisation – unmasking the truth or fantastic thinking? / Matthew Daniels



THURSDAY

16.15 – 18.30

CSI

Pulmonary vascular resistance assessment: catheter, MRI or gut feeling? / Kuberan Pushparajah

Measurements of cardiac shunts in patients with severe pulmonary hypertension using the Innova system / Josef Bis

Minimally invasive cardiac output monitoring during critical interventions / Gareth Morgan

Managed transseptal flow in PH and LV diastolic dysfunction. Are fenestrated devices the answer? / Nikolaus Haas

Challenging cases:

- ASD closure in PHTN / Radwa Bedair
- ASD with left ventricular dysfunction / David Crossland
- PDA closure in PHTN / Daniel McLennan

Discussion with the experts: the future of routine hemodynamic assessment

Experts / Kuberan Pushparajah / Matthew Daniels / David Crossland

DISCUSSION

**CSI HIGHLIGHTS OF THE YEAR:
CAST YOUR VOTE**

Return your voting slip to the ballot boxes located at the registration desk or in the main lecture hall (Harmonie) by Friday, 18.30.



THURSDAY, JUNE 27

TRANSCATHETER AORTIC VALVE IMPLANTATION (TAVI)



THURSDAY

11.10 – 12.40

CSI FOCUS



11.10 – 11.45

SPEKTRUM / 1ST FLOOR

TAVI VALVE DEGENERATION AND PARAVALVAR LEAK

Moderators / Chad Kliger / David Hildick-Smith

Panelists / Kirsten Tolstrup / Xianbao Liu

Facilitator / Danny Dvir

TAVI durability, causes of valve degeneration: what we know so far / Danny Dvir

How to diagnose and how to treat TAVI valve thrombosis (by echo and CT) / Chad Kliger

Intermediate and long term follow-up post TAVI, the paravalvar leak is larger than desirable: plug, re-dilate or valve-in-valve / Chad Kliger

DISCUSSION



11.45 – 12.40

SPEKTRUM / 1ST FLOOR

NEW FRONTIERS: BICUSPID VALVE

Moderators / Jian'an Wang / Karl-Heinz Kuck / Eberhard Grube

Panelists / Antonio Mangieri / Antonio Colombo / Ted Feldman

Facilitator / Vijay Iyer

Technical considerations

- How to evaluate and size the bicuspid valve by CT and echo / Dee Dee Wang
- Hangzhou solution for bicuspid aortic valve / Jian'an Wang
- This is how I treat bicuspid valves with a self-expanding valve / Xianbao Liu
- This is how I treat bicuspid valves with mechanical expansion valve / Eberhard Grube
- This is how I treat bicuspid valves with a balloon expandable valve / Vijay Iyer

DISCUSSION

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12.40 – 13.35

SPEKTRUM / 1ST FLOOR

NEW FRONTIERS: PURE NATIVE VALVE REGURGITATION, NEW TECHNIQUES FOR VALVE-IN-VALVE AND TAVI IN PATIENTS WITH CONGENITAL AORTIC STENOSIS

Moderators / David Hildick-Smith / Karl-Heinz Kuck

Panelists / Jian'an Wang / Maurizio Taramasso / Oscar Mendiz

Facilitator / Mark Turner

How to treat pure aortic regurgitation with the currently available non dedicated TAVI valves / David Hildick-Smith

Bioprosthetic valve fracture: when and how? / Danny Dvir

BASILICA: when and how? / Danny Dvir

TAVI in congenital patients / Mark Turner

TAVI in non-calcified thick leaflet aortic stenosis / Xi Su

DISCUSSION



13.35 – 13.45

EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES



13.45 – 15.45

SPEKTRUM / 1ST FLOOR

TAVI CHALLENGING CASES AND CLINICAL UPDATES

Moderators / Antonio Colombo / Amar Krishnaswamy

Panelists / Eric Horlick / Hendrik Ruge / Wojciech Wojakowski

Facilitator / Kirsten Tolstrup

My worst TAVI complications / Antonio Colombo

Recorded case / tbd

Clinical trial updates

- TAVI for asymptomatic patients (EARLY-TAVI)
/ Wojciech Wojakowski
- TAVI in patients with moderate AS and reduced left ventricular systolic function (UNLOAD) / Kirsten Tolstrup
- TAVI for low risk patients / Lars Sondergaard



THURSDAY

15.45 – 18.30

CSI FOCUS

Evolut versus Sapien S3 SOLVE-TAVI / Holger Thiele

Lotus Edge – a program update / Vijay Iyer

DISCUSSION



15.45 – 16.15

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK



16.15 – 18.30

SPEKTRUM / 1ST FLOOR

TAVI TECHNOLOGY – DEVICE PARADE

Moderators / Danny Dvir / Sameer Gafoor

Panelists / Holger Thiele / Oscar Mendiz / Marek Grygier

Facilitator / Lars Sondergaard

What differentiates this valve design from the others

- Evolut PRO / Eberhard Grube
- Sapien 3 / tbd
- Meridian valve / Robert Wilson
- Centera / tbd
- Medtronic TAVI pipeline / Eberhard Grube
- Lotus Edge TH / Alper Oener
- Acurate Neo / Alper Oener
- Portico / Lars Sondergaard
- VenusA plus / Jian'an Wang

Ancillary technology

- InSeal vascular closure / Hendrik Ruge
- PerQseal / Michael Laule
- Aortic valve remodeling therapy (Leaflex performer)
/ David Hildick-Smith
- Shockwave use for TAVI access in heavily calcified
iliacs / Miroslava Stolicova

DEVICE PARADE – HANDS-ON

CSI HIGHLIGHTS OF THE YEAR: CAST YOUR VOTE

Return your voting slip to the ballot boxes
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lecture hall (Harmonie) by Friday, 18.30.



THURSDAY, JUNE 27

VSD CLOSURE AND AORTIC ROOT PERFORATION



THURSDAY

11.10 – 13.35

CSI FOCUS



11.10 – 12.40

CONGRESS THEATRE / 2ND FLOOR

IMAGING THE VSD

Moderators / Mario Carminati / Worakan Promphan

Panelists / Mirella Molenschot / Gianfranco Butera / Karen McCarthy

Facilitator / Elchanan Bruckheimer

LIVE CASE TRANSMISSION FROM

Our Lady's Children's Hospital, Crumlin, Dublin, Ireland

New international classification system for VSDs

/ Angelo Micheletti

pmVSD – defining boundaries, conduction system and morphology of the exit into the RV / Karen McCarthy

What can CT and MRI offer over echo for decision making and case planning? / Kuberan Pushparajah

Has 3D printing for VSD closure got any clinical benefit over modern imaging interfaces? / Claudio Capelli

DISCUSSION



12.40 – 13.35

CONGRESS THEATRE / 2ND FLOOR

INTERVENTIONAL PMVSD CLOSURE – 20 YEARS LATER AND STILL LEARNING?

Moderators / Alain Fraisse / Shakeel Qureshi

Panelists / Do Nguyen Tin / Worakan Promphan / Allison Cabalka

Facilitator / James Bentham

Should excellent surgical results stifle the development of interventional VSD closure? / Caner Salih

Why we are better at this in Asian countries?

/ Worakan Promphan

Why we are worse at this in Western countries?

/ Gareth Morgan

Retrograde closure of pmVSD: easier and safer?

/ Alain Fraisse

Heart block, tricuspid and aortic valve problems 1998 to 2018 – is there a real difference? / James Bentham

DISCUSSION



13.35 – 13.45

EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES



13.45 – 15.45

CONGRESS THEATRE / 2ND FLOOR

DEVICE CHOICE AND DEVELOPMENT FOR PMVSD

Moderators / Mario Carminati / Worakan Promphan**Panelists** / Bagrat Alekryan / Dhitabrata Das / Felix Berger**Facilitator** / Kothandam Sivakumar

LIVE CASE TRANSMISSION FROM

Our Lady's Children's Hospital, Crumlin, Dublin, Ireland

Looking back – what mistakes have we made?

/ Martin Schneider

Looking forward – can past mistakes guide future devices? / Mario Carminati

Matching anatomy to device – developing a clinical algorithm? / Kothandam Sivakumar

Reviewing the evidence: is the heart block problem already a thing of the past? / Lee Benson

Development of biodegradable devices for pmVSD closure / Cheng Wang

Challenging VSD closure / Jean Villareal

Experience with pfm medical devices for VSD closure / Robert Sabiniewicz

DISCUSSION



15.45 – 16.15

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK

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THURSDAY

16.15 – 18.30

CSI FOCUS



16.15 – 17.25

CONGRESS THEATRE / 2ND FLOOR

POST-MYOCARDIAL INFARCTION VSD

Moderators / Eustaquio Onorato / Adam Greenbaum

Panelists / Mark Turner / Dabit Arzamendi / Amar Krishnaswamy

Facilitator / Jean Villareal

3 case examples of catheter closure / Mark Turner

Results of transcatheter post-MI VSD closure – review of the literature / Mark Turner

When one device is not big enough – reach for the BASSINET / Adam Greenbaum

Transseptal, transmitral approach / Dabit Arzamendi

A new device for post myocardial infarction VSD closure: initial experience / Eustaquio Onorato

DISCUSSION



17.25 – 18.30

CONGRESS THEATRE / 2ND FLOOR

AORTIC ROOT PERFORATION

Moderators / Matthew Daniels / Eustaquio Onorato

Panelists / Mahimarangaiah Jayaranganath / Dabit Arzamendi

Facilitator / Karen McCarthy

LIVE CASE TRANSMISSION FROM

CardioVascular Center CVC Frankfurt, Frankfurt, Germany

The morphology of ruptured sinus of Valsalva
/ Karen McCarthy

Device closure of ruptured sinus of Valsalva
/ Mahimarangaiah Jayaranganath

Aortic root perforation after TAVI – case-based lecture
/ Kolja Sievert

DISCUSSION

CSI HIGHLIGHTS OF THE YEAR: CAST YOUR VOTE

Return your voting slip to the ballot boxes located at the registration desk or in the main lecture hall (Harmonie) by Friday, 18.30.



THURSDAY, JUNE 27

TRICUSPID VALVE REPAIR AND REPLACEMENT



THURSDAY

11.10 - 13.45

CSI FOCUS



11.10 - 13.35
FANTASIE / 2ND FLOOR

TRICUSPID VALVE ANATOMY, SURGERY, IMAGING, PHYSIOLOGY AND REPAIR

Moderators / Rochus Voeller / Martin Swaans

Panelists / Stephan von Bardeleben / Maurizio Taramasso
/ Christoph Hammerstingl

Facilitator / Gry Dahle

Conventional surgical tricuspid repair and replacement:
outcomes and challenges from a surgeon's perspective
/ Rochus Voeller

Tricuspid valve imaging using TEE and ICE / Martin Swaans

Tricuspid valve imaging using CT / Dee Dee Wang

MitraClip for tricuspid intervention: state of current
evidence / Christoph Hammerstingl

How to determine if MitraClip is suitable for the tricuspid
valve? / Stephan von Bardeleben

4tech: technology and results / Maurizio Taramasso

How to determine if 4tech is suitable for the tricuspid
valve? / Martin Swaans

Mistral / Yoni Ben-Zvi

Cardioband / tbd

Millipede / Eberhard Grube

DISCUSSION



13.35 - 13.45
EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES

**WE WANT TO HEAR
YOUR OPINION!**



Please complete our survey:

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13.45 – 15.45

FANTASIE / 2ND FLOOR

TRICUSPID VALVE REPLACEMENT

Moderators / Gry Dahle / Maurizio Taramasso / Martin Swaans

Panelists / Fang-Lin Lu / Giora Weisz / Rochus Voeller

Facilitator / Sameer Gafoor

Navigate / Maurizio Taramasso

TriSol / Giora Weisz

LuX valve / Fang-Lin Lu

Recorded case / Rochus Voeller

ROUND-TABLE DISCUSSION

3 patients with severe tricuspid valve insufficiency: which device is suitable?

/ Sameer Gafoor / Martin Swaans / Rochus Voeller

DISCUSSION





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FRIDAY, JUNE 28



CSI CONFERENCE



FRIDAY

07.00 – 10.00

CSI



07.00 – 08.00

EXHIBITION AREA / 1ST FLOOR

BREAKFAST



07.00 – 08.00

E-POSTER AREA / 2ND FLOOR

MODERATED E-POSTER SESSIONS

E-poster session 1: **pulmonary circulation**

Moderators / Damien Kenny / Mario Carminati

E-poster session 2: **valve disease**

Moderators / Jennifer Franke / Hidehiko Hara

E-poster session 3: **septal defects (ASD)**

Moderators / Marius Hornung / Teiji Akagi

E-poster session 4: **coarctation and ducts**

Moderators / Bharat Dalvi / John Breinholt

E-poster session 5: **miscellaneous 1**

Moderators / Matthew Daniels / Allison Cabalka

E-poster session 6: **miscellaneous 2**

Moderators / Joseph De Giovanni / Stefan Bertog

E-poster session 7: **challenging cases from Asia**

Moderators / Ziyad Hijazi / John Thomson

E-poster session 8: **LAA**

Moderators / Karen McCarthy / Patrick Calvert

E-poster session 9: **septal defects (VSD)**

Moderators / Eustaquio Onorato / Worakan Promphan

DISCUSSION



08.00 – 10.00

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

CONGRESS WELCOME WITH LIVE AND KEYNOTE LECTURE

Moderators / Shakeel Qureshi / Bharat Dalvi

Panelists / Mario Carminati / Saibal Kar / Karl Heinz Kuck / Hidehiko Hara / Bushra Rana

Live center coordinator / Stefan Bertog

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center CVC Frankfurt, Frankfurt, Germany and
Fuwai Hospital, Beijing, China



Welcome on behalf of the course directors / Shakeel Qureshi

CSI out of the box lecture: interventional therapy in veterinary medicine / Matthias Schneider

CSI out of the box: do you know what “Mokita” means? / Tilo Koebel

KEYNOTE LECTURE

Exciting developments in the field of interventional cardiology:

- Looking back / Michael Tynan
- Looking forward / Eberhard Grube

DISCUSSION



10.00 – 10.30

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

CSI INTERVIEW

Interview with Michael Tynan

Interviewers / Shakeel Qureshi / Bharat Dalvi



10.30 – 11.00

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK



11.00 – 13.20

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

KOL CASE COMPETITION WITH LIVE: VALVAR

Moderator / Danny Dvir

Panelist / Nalan Schnelle

Live center coordinator / Jennifer Franke

LIVE CASE TRANSMISSIONS FROM

Anzhen Hospital, Beijing, China and

Rigshospitalet, Copenhagen, Denmark and

University Hospital of Leicester, Leicester, United Kingdom

KOL challenge / Nicolas Van Mieghem vs. Sameer Gafoor

DISCUSSION



FRIDAY

11.00 – 14.40

CSI



11.00 – 13.20

SPEKTRUM / 1ST FLOOR

HYPERTROPHIC CARDIOMYOPATHY

Moderators / Hubert Seggewiss / Joseph DeGiovanni

Panelists / Gry Dahle / Stefan Bertog / Karl-Heinz Kuck / Liwen Liu

Facilitator / Martin Swaans

Imaging of hypertrophic cardiomyopathy / Martin Swaans

Surgical myectomy: technique and results / Gry Dahle

Alcohol septal ablation

– My 8 most important tips and tricks / Hubert Seggewiss

– Review of the data / Stefan Bertog

Endocardial septal ablation in adults and children

/ Joseph DeGiovanni

The Liwen procedure: transapical transseptal ablation

/ Liwen Liu

MitraClip in HOCM / Karl-Heinz Kuck

Recorded case / Liwen Liu

DISCUSSION



13.20 – 13.30

EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES



13.30 – 14.40

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

LIVE THEATRE: VALVAR

Moderators / Shakeel Qureshi / Danny Dvir

Panelists / Ted Feldman / Mayra Guerrero

Live center coordinator / Allison Cabalka

LIVE CASE TRANSMISSIONS FROM

University Hospital of Leicester, Leicester, United Kingdom and
Rigshospitalet, Copenhagen, Denmark

DISCUSSION



14.40 – 16.05

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

LIVE THEATRE: STRUCTURAL/ VALVAR

Moderators / Shakeel Qureshi / Danny Dvir

Panelists / Stefan Bertog / Adam Greenbaum

Live center coordinator / Simon Lam

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center CVC Frankfurt, Frankfurt, Germany and
Imperial College Healthcare NHS Trust, London, United Kingdom

DISCUSSION



16.05 – 16.35

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK



16.35 – 18.30

ILLUSION 2 – 3 / 2ND FLOOR

ACCESS TO THE HEART

Moderator / Adam Greenbaum

Panelists / Nalan Schnelle / Rochus Voeller / Vijay Iyer

Facilitator / Mohamad Alkhouli

Transcaval access: suitability, step-by-step, tips and tricks, complications, outcomes / Adam Greenbaum

Subclavian access: suitability, step-by step, tips and tricks, complications, outcomes / Rodney De Palma

Transcarotid access: suitability, step-by-step, tips and tricks, complications, outcomes / Vijay Iyer

- Right atrial access / tbd

- Transhepatic access / Adam Kolesnik

- Transapical access and closure: suitability, step-by-step, tips and tricks, complications, outcomes / Rochus Voeller

- Suture-based trans-apical access and closure device / Anthony Nobles

- A step-by-step approach for large-bore percutaneous axillary access / Mohamad Alkhouli

- Round table discussion: three cases / Vijay Iyer / Stefan Bertog / Mohamad Alkhouli

DISCUSSION

**DON'T
MISS**





16.35 – 18.30

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

CSI HIGHLIGHTS OF THE YEAR: VALVAR

Moderator / Sameer Gafoor

Panelists / Tanja Rudolph / Martin Swaans / Joseph DeGiovanni

Live center coordinator / Stefan Bertog

LIVE CASE TRANSMISSION FROM

Rigshospitalet, Copenhagen, Denmark

Low risk TAVI

- Partner 3 / tbd
- Evolut / Martin Swaans

Jena Valve / Tanja Rudolph

Tricuspid valve: LuX valve / Fang-Lin Lu

Scatter radiation protection for all / Robert Wilson

FIM experience with Leaflex / David Hildick-Smith

DISCUSSION

CAST YOUR VOTE

Return your voting slip to the ballot boxes located at the registration desk or in the main lecture hall (Harmonie) by Friday, 18.30.



FRIDAY

16.35 – 18.30

CSI



16.35 – 18.30

FANTASIE / 2ND FLOOR

EMBOLIC PROTECTION

Moderators / Karl-Heinz Kuck / Eric Horlick

Panelists / Giora Weisz / Ulrich Schaefer / Vaikom Mahadevan

Facilitator / Nicolas Van Mieghem

Stroke after structural cardiac interventions: incidence, definition and etiology / Eric Horlick

DEBATE

Embolic protection

- Should be used in all TAVI cases / Nicolas Van Mieghem
- Should be used in selected cases / tbd

Captis full body embolic protection during TAVI / Giora Weisz
Sentinel / Stephan Haussig

Triguard / Abhijeet Dhoble

ProtEmbo protection system / Nikos Werner

DISCUSSION

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YOUR OPINION!**



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FRIDAY, JUNE 28



PFO CLOSURE



FRIDAY

11.00 – 13.30

CSI FOCUS



11.00 – 12.40

CONGRESS THEATRE / 2ND FLOOR

IMAGING THE PFO

Moderators / Matthew Daniels / Mark Turner

Panelists / Jae Kwan Song / Karen McCarthy / Antigoni Deri

Facilitator / Lucy Eun

LIVE CASE TRANSMISSION FROM

CardioVascular Center CVC Frankfurt, Frankfurt, Germany

Atrial septum development and anatomy / Adam Kolesnik

Intracardiac ECHO / Allison Cabalka

3D phenotypes / Bushra Rana

Assessing for shunts (diagnosis, pitfalls) / Lucy Eun

Systematic TEE approach to understanding morphology
/ Antigoni Deri

Angiographic assessment / Kolja Sievert

PFO shunt size in 300 consecutive patients
/ Matthew Daniels

DISCUSSION



12.40 – 13.20

CONGRESS THEATRE / 2ND FLOOR

DECISIONS AND CONTROVERSIES IN PFO CLOSURE

Moderators / John Carroll / Eric Horlick

Panelists / David Hildick-Smith / Mark Turner / Marek Grygier

Facilitator / Matthew Daniels

HILDICK-SMITH DEBATE

– We should only be closing PFO's in the populations
described in the randomized trials / David Smith

– No, there are many patients who will benefit even if
they are not exactly belonging to the population
enrolled in the trials / David Hildick

Cryptogenic stroke patients above 65 years of age
/ Ulrich Schaefer

PFO clinic with neurologists: case examples of optimizing
patient selection / John Carroll

DISCUSSION



13.20 – 13.30

EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES



13.30 – 14.40

CONGRESS THEATRE / 2ND FLOOR

CHALLENGING PFO CLOSURE

Moderators / Mario Carminati / Gianfranco Butera**Panelists** / Mark Turner / Gianluca Rigatelli / David Hildick-Smith**Facilitator** / John Carroll

LIVE CASE TRANSMISSION FROM

Imperial College Healthcare NHS Trust, London, United Kingdom

Anatomy I have struggled with in the lab / Mark Turner

Complications of PFO closure and residual shunts –
case-based lecture / Franz Kleber

How much should we worry about AF? / John Carroll

How to manage challenging PFO cases with the
Occlutech PFO Occluder / Tobias Zeus

DISCUSSION



14.40 – 16.05

CONGRESS THEATRE / 2ND FLOOR

PFO CLOSURE DEVICES AND PFO INDICATIONS

Moderators / David Hildick Smith / John Thomson**Panelists** / Demetris Taliotis / Marius Hornung**Facilitator** / Roel Snijder

LIVE CASE TRANSMISSION FROM

CardioVascular Center CVC Frankfurt, Frankfurt, Germany

Reasons to use an Amplatzer device / Mario Carminati

Reasons to use a Gore device / John Thomson

Reasons to use an Occlutech device / Roel Snijder

Reasons to use a Lifetech device / Norbert Klein

Reasons to use a Noblestitch / Anthony Nobles

Carag Bioresorbable Septal Occluder – 2 year results
/ Kolja Sievert

DISCUSSION



16.05 – 16.35

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK



FRIDAY

16.35 – 18.25

CSI FOCUS



16.35 – 18.25

CONGRESS THEATRE / 2ND FLOOR

OTHER INDICATIONS FOR PFO CLOSURE

Moderators / David Hildick Smith / Eustaquio Onorato

Panelist / Demetris Taliotis

Facilitator / Mark Turner

LIVE CASE TRANSMISSION FROM

CardioVascular Center CVC Frankfurt, Frankfurt, Germany

Platypnoea orthodeoxia / Rodney De Palma

Coronary embolus / Franz Kleber

Migraine / David Hildick-Smith

Diving / Mark Turner

PFO closure in children / Keyhan Sayadpour

DEBATE

Should we be moving towards primary prevention?

- For / David Hildick-Smith
- Against / John Carroll

DISCUSSION

CSI HIGHLIGHTS OF THE YEAR: CAST YOUR VOTE

Return your voting slip to the ballot boxes located at the registration desk or in the main lecture hall (Harmonie) by Friday, 18.30.



FRIDAY, JUNE 28



PULMONARY VALVE IMPLANTATION



FRIDAY

11.00 – 13.30

CSI FOCUS



11.00 – 12.30

ILLUSION 2 – 3 / 2ND FLOOR

IMAGING THE PULMONARY VALVE

Moderators / Damien Kenny / Mario Carminati

Panelists / Johannes Nordmeyer / Francesca Pluchinotta
/ Vivek Muthurangu

Facilitator / Tarique Hussain

When is pulmonary valve implantation indicated clinically? / Mario Carminati

RVOT and RV: CT and MRI evaluation / Vivek Muthurangu

3D printing in planning / Francesca Pluchinotta

Intraprocedural imaging / Michiel Voskuil

Image-guided computation and modelling for pulmonary valve replacement / Tarique Hussain

Matching the valve to the patient / Johannes Nordmeyer
/ Damien Kenny

DISCUSSION



12.30 – 13.20

ILLUSION 2 – 3 / 2ND FLOOR

NEW PULMONARY VALVES – DEVICE PARADE

Moderators / Shakeel Qureshi / Allison Cabalka

Panelists / Sachin Khambadkone / Stephan Schubert

Facilitator / Damien Kenny

Harmony / Matthew Gillespie

Venus P-Valve / Worakan Promphan

Pulsta / Gi Beom Kim

DEVICE PARADE



13.20 – 13.30

EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES



13.30 – 14.50

ILLUSION 2 – 3 / 2ND FLOOR

UPDATE ON CLINICAL TRIALS AND A GLIMPSE INTO THE FUTURE OF PULMONARY VALVE IMPLANTATION

Moderators / Muthukumaran Chinnasamy / Worakan Promphan

Panelists / Marc Gewillig / Johannes Nordmeyer

Facilitator / Nikolaus Haas

Long term results of Melody valve / Johannes Nordmeyer

Long term results of Sapien valve / Nikolaus Haas

The risk of bacterial endocarditis after percutaneous pulmonary valve implantation – a metaanalysis

/ Nikolaus Haas

Initial experience with Harmony valve / Matthew Gillespie

Experience with Venus valve / Worakan Promphan

Initial experience with Pulsta valve / Gi Beom Kim

Tissue engineered valves for the pulmonary position

/ Damien Kenny

DISCUSSION



14.50 – 16.05

ILLUSION 2 – 3 / 2ND FLOOR

TIPS AND TRICKS FOR PULMONARY VALVE IMPLANTATION

Moderators / Shakeel Qureshi / Damien Kenny

Panelists / Michael Angtuaco / Zahid Amin / Diego Porras

Facilitator / Allison Cabalka

My 7 most important tips and tricks for implanting

– Melody valve / Sachin Khambadkone

– Sapien valve / Peter Ewert

– Venus valve / Shakeel Qureshi

Hybrid approach for transcatheter valve implantation

/ Michael Angtuaco

Complex transcatheter pulmonary valve cases / Zahid Amin

Intentional fracture of bioprosthetic valve rings – what are the risks and benefits and how do the acute and short term outcomes compare to surgical revision?

/ Diego Porras

How to manage complications in the catheter lab

/ Allison Cabalka

DISCUSSION





FRIDAY, JUNE 28



COARCTATION



FRIDAY

13.30 – 16.35

CSI FOCUS



13.30 – 14.55

SPEKTRUM / 1ST FLOOR

COARCTATION IMAGING – USING NEW TECHNOLOGIES

Moderators / Sebastian Goreczny / Vivek Muthurangu

Panelists / Michiel Voskuil / Karen McCarthy / Francesca Pluchinotta

Facilitator / Sujeev Mathur

Aortic coarctation morphology in different age groups

/ Karen McCarthy

Assessment prior to intervention / Sujeev Mathur

Post-procedural assessment methods / Vivek Muthurangu

Planning intervention based on multimaging and 3D
printing / Francesca Pluchinotta

3DRA – fusion imaging in catheter lab / Sebastian Goreczny

Recorded case / Mirella Molenschot

DISCUSSION



14.55 – 16.05

SPEKTRUM / 1ST FLOOR

ANGIOPLASTY / STENTING IN COARCTATION

Moderators / Worakan Promphan / Gianfranco Butera

Panelists / Mahimarangaiah Jayaranganath / John Breinholt

/ Mirella Molenschot

Facilitator / Stefan Schubert

Different stents for use in coarctation / Stefan Schubert

Stenting in complex aortic coarctation – tips and tricks

/ Marc Gewillig

BeGraft stent in aortic coarctation: feasibility and early
outcomes / Worakan Promphan

Transverse aortic arch stenting – tips and tricks

/ Massimo Chessa

Techniques for stenting in aortic atresia – tips and tricks

/ Gianfranco Butera

Middle aortic syndrome – treatment / Worakan Promphan

DISCUSSION



16.05 – 16.35

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK



16.35 – 18.30

SPEKTRUM / 1ST FLOOR

IMPLICATIONS OF TREATING AORTIC COARCTATION

Moderators / Mario Carminati / Bharat Dalvi

Panelists / Thomas Krasemann / Massimo Chessa / Manuel Pan

Facilitator / Martin Schneider

Balloon dilation vs stenting in different age groups

/ Martin Schneider

Treatment of aneurysms after previous balloons, stents
or surgery / Bharat Dalvi

Late redilation of stents in coarctation / Manuel Pan

Managing complications of coarctation stenting

/ Massimo Chessa

Does treatment in adults impact on long-term results

/ Peter Ewert

Stent grafts / Mark Turner

BeGraft for aortic stenting – clinical trial results

/ Elchanan Bruckheimer

BeGraft Aorta – tips and tricks / Michiel Voskuil

Getting out of difficult situations: balloon tear / Bharat Dalvi

DISCUSSION

CSI HIGHLIGHTS OF THE YEAR: CAST YOUR VOTE

Return your voting slip to the ballot boxes
located at the registration desk or in the main
lecture hall (Harmonie) by Friday, 18.30.





FRIDAY, JUNE 28



LAA CLOSURE



FRIDAY

11.00 – 13.20

CSI FOCUS



11.00 – 12.05

FANTASIE / 2ND FLOOR

THE EVIDENCE FOR LAA CLOSURE AND EMERGING INDICATIONS

Moderators / Mohamad Alkhouli / Ignacio Cruz Gonzalez

Panelists / Edip Guroi / Ulf Landmesser / Oscar Mendiz

Update on Watchman trials / Ignacio Cruz Gonzalez

Update on Amulet trials / Ulf Landmesser

When should the LAA be closed according to guidelines and recommendations / Patrick Calvert

Using the Big Data approach to identify suitable patients for LAAC / Olaf Goeing

New indications and approaches to explore

- Should LAA closure be performed routinely in TAVI patients with atrial fibrillation? / Amar Krishnaswamy
- Ablation combined with LAA ligation: the aMAZE trial, rationale, design and update / Randall Lee

Patient selection for left atrial appendage closure: don't wait for the brain bleed / Edip Guroi

Hybrid approach for the treatment of AF with simultaneous closure of the LAA / Syed Ahsan

DISCUSSION



12.05 – 13.20

FANTASIE / 2ND FLOOR

IMAGING THE LAA

Moderators / Simon Lam / Mark Reisman

Panelists / Dee Dee Wang / Henning Ebelt / Kasper Korsholm

Pre-procedural CT – case presentations / Sergio Berti

Model printing / Mark Reisman

Virtual model printing / Dee Dee Wang

Impact of computational modelling and simulation in LAA occlusion / Ignacio Cruz Gonzales

Pre and periprocedural TEE / Bushra Rana

Fusion imaging for LAA closure / Henning Ebelt

How to assess complications during follow-up / Simon Lam

DISCUSSION



13.20 – 13.30

EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES



13.30 – 16.05

FANTASIE / 2ND FLOOR

HOW TO USE DIFFERENT LAA CLOSURE DEVICES

Moderators / Randall Lee / Joseph DeGiovanni**Panelists** / Ulf Landmesser / Markus Sandri / Marek Grygier

My 6 most important tips and tricks for

- The new WATCHMAN FLX / Markus Sandri
- Amulet / Apostolos Tzikas
- Lariat / Randall Lee
- LAmbre / Markus Sandri

New LAA closure devices

- Cormos / Markus Sandri
- SeaLA / Ling Tao
- Occlutech / Iqbal Maliq
- Eclipse / Lars Sondergaard
- Conformal / Mark Reisman

Postprocedural management

- Medication, follow-up / Dabit Arzamendi
- How to evaluate residual leaks / Martin Swaans
- What to do with residual leaks? / Kolja Sievert

Complications and challenging cases – case-based lectures

- A case of device embolisation / Joseph DeGiovanni
- A case of thrombus on the device / Pascal Defaye

Double device closure for large or bilobar LAA

/ Mohamad Alkhouli

DISCUSSION

19.30 – 23.00

SOCIAL DINNER

at alex Frankfurt Skyline Plaza / Meetingpoint: 19.00

in front of the entrance of the congress center



CSI CONFERENCE

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SATURDAY, JUNE 29



CSI CONFERENCE



SATURDAY

07.00 – 10.00

CSI



07.00 – 08.00

EXHIBITION AREA / 1ST FLOOR

BREAKFAST



07.00 – 08.00

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

NEIL WILSON'S CHALLENGING CASES

Moderator / Neil Wilson

Forward flow closure after total cavopulmonary connection operation by Occlutech muscular VSD occluder / Keyhan Sayadpour

PDA stenting in conjoined twins with one heart / Shreesha Maiya

Simultaneous aortic paravalvar leak repair and transcatheter valve-in-valve therapy for actively dehiscing bioprosthetic AVR causing multi-system organ failure / Keshav Nayak

A successful case of transcatheter bi-directional balloon pulmonary angioplasty for total occlusive lesions in patient with chronic thromboembolic pulmonary hypertension / Satoru Toi

DISCUSSION



08.00 – 10.00

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

KOL CASE COMPETITION WITH LIVE: CONGENITAL AND STRUCTURAL

Moderators / John Thomson / Worakan Promphan

Panelists / Ziyad Hijazi / Supaporn Roymanee

Live center coordinator / Stefan Bertog

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center CVC Frankfurt, Frankfurt, Germany and Madras Medical Mission, Chennai, India

KOL challenge / Neil Wilson vs. Shakeel Qureshi

DISCUSSION



08.00 – 08.50

CONCLUSIO 2 / 1ST FLOOR

PICES: HERE IS ANOTHER WAY TO DO IT! – NOVEL APPROACHES TO CARDIAC CATHETERIZATION

Moderators / Shabana Shanhanavaz / Sebastian Goreczny

3D guided cardiac catheterizations – not another

presentation about pretty pictures / Sebastian Goreczny

Accessing ECMO circuits for catheterization and other techniques / Daniel McLennan

Fontan baffle leak closure through the RA / Radwa Bedair

DISCUSSION



08.00 – 10.00

POSTER AREA / 2ND FLOOR

CATH LAB CAFE

TAVI working group

Moderators / Nicolas Van Mieghem / Danny Dvir

Presenters / Nicola Buzzatti / Norman Mangner / Alexander Tamm

/ Massimo Napodano / Shafeeq Mattummal / Nils Petri

/ Cameron Dowling

Mitral valve interventions working group

Moderator / Allison Cabalka

Presenters / Rochus Voeller / Takehiro Nomura / Yoshifumi Nakajima

/ Rodrigo Estevez-Loureiro / Shreya Ghetiya

LAA working group

Moderators / Sameer Gafoor / Joseph DeGiovanni

Presenters / Alexander Sedaghat / Alberta Yen / Jung-Sun Kim

/ Francesco Tomassini / Henning Ebel / Iris Rodríguez-Costoya

/ Francisco Chamie

Challenging cases from Asia-Pacific working group

Moderators / Do Nguyen Tin / Lucy Eun

Presenters / Jae-Kwan Song / Bharathap A P

/ Pangeran Akbar Syah / Amitabha Chattopadhyay

/ Manish Chokhandre / Ravindra Pawar / Arvind Singh

/ Anil Kumar Singhi / Debabrata Nandi / Prakash Ramachandra

/ Ajay Mahajan / Rajasekhar Varada



SATURDAY

10.00 – 12.30

CSI

Paravalvar leaks working group

Moderator / Matthew Daniels

Presenters / Mohamed Alkhoul / Takeshi Arita / Felix Woitek
/ Carmen Moldovan / Keshav Nayak / Mani Motwani

Complications in the cath lab working group

Moderators / Sherien Abdelsalam / Maiy El Sayed

Presenters / Alaa Mahmoud Roushdy / Amr Mansour
/ Umberto Cucchini / David Baghdasaryan / Mamta Buch
/ Weal Al-Ghabra / Keyhan Sayadpour / Liliana Maria Ferrin

DISCUSSION



10.00 – 10.30

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK



10.30 – 12.30

CONCLUSIO 2 / 1ST FLOOR

CASPIAN @ CSI

Moderators / Behzad Alizadeh / Bharat Dalvi

Panelists / Lee Benson / Mahmoud Shabestari

When PDA closure made complicated / Hojjat Mortezaiean

Pulmonary valve case complication / Zahid Amin

Post stenting, pulmonary artery branch dissection

/ Behzad Alizadeh

Stenting of tortuous duct complicated with heart block

/Keyhan Sayadpour

Getting out of complex pulmonary coarctation in duct
stenting / Worakan Promphan

Horrible moments during a simple PFO closure

/ Mahmoud Shabestari

Complicate pulmonary vein stenosis associated
pulmonary hypertension / Atta Firuzi

Complications of PM-VSD closure / Bharat Dalvi

Reverse Potts / Jesse Esch

DISCUSSION



10.30 – 12.30

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

CSI ROAD TO THE TOP

Moderator / Shakeel Qureshi

Panelists / Sameer Gafoor / Damien Kenny / Simon Lam

/ Eberhard Grube / Stefan Bertog / Allison Cabalka

How to get your foot into a training program

/ Sameer Gafoor

How to get the best out of your training program

/ Damien Kenny

Returning home: how to start a structural program from the scratch / Simon Lam

Why and how to do clinical research / Mark Reisman

Why and how to become faculty at international conferences / Allison Cabalka

How to prepare an excellent lecture – even at the last minute / Eberhard Grube

How to moderate a conference – even without experience in the field / Shakeel Qureshi

How to get along with your colleagues / Stefan Bertog

Why and how to use twitter, facebook, instagram & more

/ Matthew Daniels

Why and how to get your foot into scientific societies

/ Gareth Morgan

How to interact with industry – dos and don'ts

/ Eberhard Grube

DISCUSSION

PANEL DISCUSSION

My biggest mistakes on the road to the top



12.30 – 12.45

EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES



SATURDAY

12.45 – 17.00

CSI



12.45 – 14.55

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

CATH LAB EFFICIENCY

Moderators / Sameer Gafoor / Eberhard Grube

Panelists / Jesse Esch / Sulaiman Lubega

Live center coordinator / Simon Lam

LIVE CASE TRANSMISSIONS FROM

Madras Medical Mission, Chennai, India and

CardioVascular Center CVC Frankfurt, Frankfurt, Germany

How to do interventions in small children without general anesthesia / Dietmar Schranz

TEE workflow in the cath-lab / Kolja Sievert

How to do turn-over / Kolja Sievert

Minimalistic TAVI / Eberhard Grube

Building a structural heart program: lessons learned in Seattle / Sameer Gafoor

Running a cath lab with minimal resources

/ Sulaiman Lubega

Improving quality in catheter lab / Jesse Esch

DISCUSSION



14.55 – 17.00

MAIN LECTURE HALL HARMONIE / 1ST FLOOR

LIVE THEATRE

Moderators / Shakeel Qureshi / Neil Wilson

Panelists / Martin Swaans / Sameer Gafoor / Zahid Amin

Live center coordinator / Stefan Bertog

LIVE CASE TRANSMISSIONS FROM

Madras Medical Mission, Chennai, India and

CardioVascular Center CVC Frankfurt, Frankfurt, Germany

**WE WANT TO HEAR
YOUR OPINION !**



Please complete our survey:

www.csi-congress.org/frankfurt/evaluation



SATURDAY, JUNE 29



ASD CLOSURE



SATURDAY

08.50 – 12.30

CSI FOCUS



08.50 – 10.00

SPEKTRUM / 1ST FLOOR

INTRODUCTION AND IMAGING THE ASD

Moderators / Mario Carminati / Bharat Dalvi

Panelists / Suresh Kumar / Zahid Amin

Facilitator / Adam Kolesnik

Anatomy of ASDs / Adam Kolesnik

Intraprocedural imaging: TTE, TOE / Bushra Rana

Intracardiac ECHO / Allison Cabalka

Matching device to septal morphology: suggestions for device selection / Mario Carminati

ASDs I will not close with a device / Zahid Amin

The problem of atrial fibrillation in ASD patients – before and after closure / Zahid Amin

ASD closure in elderly patients – concerns, technical challenges, outcomes / Suresh Kumar

DISCUSSION



10.00 – 10.30

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK



10.30 – 12.30

SPEKTRUM / 1ST FLOOR

HOW TO CLOSE ASD & TIPS AND TRICKS

Moderators / Ziyad Hijazi / John Thomson

Panelists / Bagrat Alekryan / Neeraj Awasti / Radityo Prakoso

Facilitator / John Breinholt

Our approach to ASD with no aortic rim / Bushra Rana

Our approach to multiple defects / Saleha Kabir

Retrieval of embolized device / Jae Young Choi

Long term complications

- Erosion / Jae Young Choi
- Arrhythmias / Zahid Amin
- Thrombus / Ziyad Hijazi

Closure of sinus venosus atrial septal defects / John Breinholt

Non fluoroscopic ASD closure / Radityo Prakoso



Interventions in complex atrial septal defects / Ziyad Hijazi
Recorded case / Mario Carminati

DISCUSSION



12.30 – 12.45
EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES



12.45 – 14.55
SPEKTRUM / 1ST FLOOR

CASE-BASED LEARNING, RECENT INNOVATIONS AND STUDIES IN ASD CLOSURE

Moderators / Eric Horlick / Damien Kenny

Panelists / Dhrtabrata Das / Matthew Gillespie / John Thomson

Facilitator / Jae Young Choi

Cardiac erosion after ASD closure: Can softer devices prevent erosion? / Jae Young Choi

ASD closure and atrial arrhythmias / Zahid Amin

Different techniques for closing large ASDs in small children / Bharat Dalvi

ASD closure from right internal jugular vein / Bharat Dalvi

12 months follow-up of the Cardioform ASD device / Matthew Gillespie

CARAG Bioresorbable Septal Occluder – 2 year results / Kolja Sievert

Occlutech FASD Occluder / Nikolaus Haas

A new comparative study between Occlutech Figulla flexII and Amplatzer septal occluder / Damien Kenny

Ceraflex experience / Mario Carminati

Tips and tricks with the third generation occluder - Ceraflex / Angel Sanchez

DISCUSSION





SATURDAY, JUNE 29



PATENT DUCTUS ARTERIOSUS (PDA)



SATURDAY

08.50 – 12.30

CSI FOCUS



08.50 – 10.00

FANTASIE / 2ND FLOOR

PDA STENTING FOR DUCT-DEPENDENT SYSTEMIC CIRCULATION

Moderators / Gareth Morgan / Lee Benson

Panelists / Biswajit Bandyopadhyay / Peter Ewert / Karen McCarthy

Facilitator / Shabana Shahanavaz

PDA morphology and suitability for stenting

/ Karen McCarthy

Stent technology for ductal stenting / Gareth Morgan

Techniques of ductal stenting / Dietmar Schranz

Complications of ductal stenting in HLHS / Lee Benson

Institutional experience with ductal stenting

/ Biswajit Bandyopadhyay

Anticipated complications of PDA stenting

/ Ina Michel-Behnke

DISCUSSION



10.00 – 10.30

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK



10.30 – 12.30

FANTASIE / 2ND FLOOR

PDA CLOSURE IN PREMATURE INFANTS

Moderators / Neil Wilson / Alain Fraise

Panelists / Amitabha Chattopadhyay / Matthew Gillespie

/ Stephan Schubert

Facilitator / Sok-Leng Kang

PDA morphology in premature infants / Karen McCarthy

Challenges faced in introduction of PDA closure in
premature infants / Neil Wilson

Modifications of technique using different devices
/ Shabana Shahanavaz

Dealing with complications of PDA closure in premature
infants – tips and tricks / Alain Fraise



Results of PDA closure in premature infants

/ Sok-Leng Kang

Long term results of surgical closure of premature ducts

/ Regina Bokenkamp

PDA closure in preterm neonates – technical tips and results / Shayam Sathanandam

Amplatzer Piccolo / Matthew Gillespie

Short term and medium term results of PDA closure in neonates and young children / Sok-Leng Kang

DISCUSSION



12.30 – 12.45

EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES



12.45 – 14.55

FANTASIE / 2ND FLOOR

PDA CLOSURE IN CHILDREN AND ADULTS

Moderators / Do Nguyen Tin / Gareth Morgan

Panelists / Supaporn Roymanee / Bagrat Alekryan / Gi Beom Kim

Facilitator / Karen McCarthy

Recorded case / Worakan Promphan

Different ductal morphologies and relevance to closure

/ Karen McCarthy

What is the best imaging technique prior to PDA closure – case-based lecture / Gi Beom Kim

Available devices for PDA closure / Supaporn Roymanee

PDA closure with different devices – case-based lecture

/ Do Nguyen Tin

■ Transcatheter closure of large and long PDAs in infants using AVP II: early experience / Jae-Young Choi ■

■ Closure of PDAs in adults – technical challenges and tips / Ingo Daehnert ■

■ Transcatheter closure of large and hypertensive ductus arteriosus / Juan Pablo Sandoval ■

DISCUSSION





SATURDAY, JUNE 29

HEART FAILURE INTERVENTIONS



SATURDAY

08.50 – 12.30

CSI FOCUS



08.50 – 10.00

CONGRESS THEATRE / 2ND FLOOR

TELEMEDICINE DEVICES

Moderators / Abraham Lorber / Sameer Gafoor

Panelists / Miroslava Stolicova / Kolja Sievert

LIVE CASE TRANSMISSION FROM

CardioVascular Center CVC Frankfurt, Frankfurt, Germany

CardioMems / Stephan Rosenkranz

Vectorious / Miroslava Stolicova

Non-invasive intra-cardiac pressure monitoring – fact or fiction? / Abraham Lorber

Other devices for heart failure monitoring / Kolja Sievert

DISCUSSION



10.00 – 10.30

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK



10.30 – 12.30

CONGRESS THEATRE / 2ND FLOOR

INTERATRIAL SHUNTING

Moderators / Dietmar Schranz / Franz Kleber

Panelists / Xiangqing Kong / Sachin Khambadkone / Nikolaus Haas

Facilitator / Ted Feldman

LIVE CASE TRANSMISSION FROM

Madras Medical Mission, Chennai, India

How could interatrial shunts work? / Franz Kleber

Devices and concepts for interatrial shunting

- V-Wave shunt / Antoni Bayes-Genis
- InterAtrial shunt device (IASD) / Franz Kleber
- Atrial flow regulator (AFR) / Nikolaus Haas
- NOYA: a new approach leaving nothing behind / Xiangqing Kong

Interatrial shunting for diastolic left heart failure in children / Sachin Khambadkone

DISCUSSION



12.30 – 12.45

EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES



12.45 – 13.20

CONGRESS THEATRE / 2ND FLOOR

THE VALVES

Moderators / Nicolas Van Mieghem / Stephan von Bardeleben

Panelists / Gry Dahle / Vaikom Mahadevan

The role of transcatheter valve therapy in heart failure treatment: when is it indicated and what can we expect?

- Mitral / tbd
- Tricuspid / Vaikom Mahadevan
- Aortic / Nicolas Van Mieghem

DISCUSSION



13.20 – 14.20

CONGRESS THEATRE / 2ND FLOOR

THE LEFT VENTRICLE

Moderators / Gry Dahle / Mark Reisman

Panelists / Franz Kleber / Patrick Klein / Markus Reinartz

Revivent Less Invasive Ventricular Enhancement (LIVE) procedure

- Single center experience with Revivent Less Invasive Ventricular Enhancement (LIVE) procedure / Patrick Klein
- How to do it: recorded case / tbd

AccuCinch left ventricular repair

- Technology and procedural steps / Franz Kleber
- Early outcomes data in interventional heart failure treatment / Mark Reisman

Short term pVAD support for left ventricle failure

/ Marcus Wiemer

DISCUSSION



SATURDAY

14.20 – 14.55

CSI FOCUS



14.20 – 14.55

CONGRESS THEATRE / 2ND FLOOR

OTHER NEW CONCEPTS FOR DEVICE BASED TREATMENT OF HEART FAILURE

Moderators / Dietmar Schranz / Nicolaus Van Mieghem

Panelists / Markus Reinartz / Jan Solem

Facilitator / Ellen Ostenfeld

Syntach – a novel minimally invasive cardiac support system / Jan Solem

New aspects of cardiac pumping / Ellen Ostenfeld

Pulmonary banding / Dietmar Schranz

DISCUSSION

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SCIENTIFIC ABSTRACTS

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CSI 2019 ABSTRACTS AND CASES

On the following pages you will find a summary of the abstracts and cases that were accepted for CSI 2019.

The moderated e-poster presentation will take place on Thursday, June 27, 2019 and Friday, June 28, 2019 from 07.00 – 08.00 in the poster area on the 2nd floor.



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

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- A3 Therapeutic perforation (?) of a tight coarctation in an adult with severe systemic hypertension
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- A4 Use and safety of cardiac catheterization performed in neonatal post-heart surgery with poor hemodynamics evolution. Study in a center of medium complexity / Alberto Emilio Robredo
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- A6 Long segment coarctation with large PDA and severe PHT in a 16 kg: planning and approach to hybrid stenting / Supratim Sen / Sneha Jain
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- A7 Comparison of hemodynamic and respiratory parameters of surgical ligation versus transcatheter closure of patent ductus arteriosus in preterm infants weighting less than 1800 grams
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- A11 The inferior vena cava stent in a child with budd chiari syndrome / Hojat Mortezaeian / Farshad Jafari
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- A13 Transcatheter closure of large and long patent ductus arteriosus with pulmonary hypertension in infants: early experience with amplatzer vascular plug II / Sneha Jain / Priya Pradhan / Supratim Sen
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- A16 The safety and efficacy of echocardiography-transcatheter closure of patent ductus arteriosus: a systematic review / Radityo Prakoso



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- A19 An unusual cause of decompensation following attempted percutaneous PDA closure / Ebrahim Hoosen
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- A21 VSD pulmonary atresia with confluence stenosis: provisional bifurcation strategy in PDA stenting / Sanjeev Hanumantacharya Naganur / Parag Barwad
- A22 Large PDA device closure with duct occluder I / Sarat Kumar Sahoo
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- B3** Surgically placed radiopaque markers – a novel technique to facilitate postoperative catheterization in infants with duct- or shunt-dependent lesions / Johanna Hummel / Rouven Kubicki / Brigitte Stiller / Clarence Pingpoh / Matthias Siepe / Jochen Grohmann
- B4** Management of branch pulmonary artery stent fracture by a stent-in-stent technique / Manoj Kumar Rohit / Kewal Kanabar
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- C5 Long-term complications in percutaneous closure of muscular septum defects with multiple devices / Alberto Emilio Robredo



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- C24 Transcatheter re-intervention for intravascular hemolysis after percutaneous ventricular septal defect closure / Ankavipar Saprungruang / Sarin Lekchuensakul / Pornthep Lertsapcharoen
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- C29 Percutaneous baffle interventions in adult survivors of the atrial switch operation / Heiko Schneider / Andrew R. Eventhal / Ashish A. Shah / Mark Osten / Lee Benson / Eric Horlick
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- C32 Transcatheter closure of post-surgical post-myocardial infarction ventricular septal rupture / Eustaquio Onorato
- C33 Percutaneous atrial septal defect closure without fluoroscopy in a pregnant woman with pulmonary hypertension / Pangeran Akbar Syah / Radityo Prakoso / Poppy Roebiono / Yovi Kurniawati / Oktavia Lilyasari / Indriwanto Sakidjan / Anna Ulfah Rahajoe / Sisca Natalia Siagian / Olfy Lelya / Ganesja Harimurti / Aditya Agita Sembiring



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- D3 Transcatheter aortic valve replacement reduces NT-proBNP in patients with severe bicuspid aortic stenosis and reduced left ventricular ejection fraction / Toshiaki Yamanaka / Frank Hoelschermann
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- D6 Mitral chordal rupture in the setting of impella supported high-risk percutaneous coronary intervention in a patient with severe aortic stenosis / Hirofumi Ohtani / Giuseppe Ferrante / Paolo Pagnotta
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- D7 Early experience with patient-specific computer simulation of transcatheter aortic valve implantation in bicuspid aortic valve morphology / Cameron Dowling
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- D22 Successful percutaneous closure of a post-TAVR fistula between LVOT and left atrium with an Amplatzer duct Occluder II device / Miroslava Stolcova
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- D27 Hybrid approach for mitral paravalvular leak closure via transapical access / Akio Kawamura / Teruya Nakamura / Teruaki Ushijima / Narutaka Ohashi / Teruo Okabe
- D28 Simultaneous aortic paravalvular leak repair and transcatheter valve-in-valve therapy for actively dehiscing bioprosthetic AVR causing multi-system organ failure / Keshav Nayak / Tuan Mai / Ravi Parikh / Praveen Panguluri / David Lerner / Jeffrey Tyner / Curtiss Stinis
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- D31 Recurrence of mitral paravalvular leak. Is transcatheter closure always the best option? / Carmen Moldovan / Konstantinos Kalogeras / Konstantina Aggeli / Konstantinos Aznaouridis / Manolis Vavuranakis
- D32 Transcutaneous pulmonary valvotomy by CTO wire for pulmonary atresia with intact ventricular septum without arterial punctures: two cases report / Ming-Chih Lin
- D33 Unexpected complication of percutaneous pulmonary valve implantation / Debabrata Nandi / Philip Roberts
- D34 Severe pulmonary stenosis in a pregnant woman / Kim Jung Yoon / Eun Young Choi / Eung Re Kim / Sung Ho Kim / Jung Il Noh / Chang Ha Lee
- D35 Percutaneous transcatheter tricuspid balloon valvuloplasty of bioprosthetic tricuspid valve stenosis: a single sequential balloon technique / Jessielyn Sia / Timothy Dy / Melissa Sia
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- D37 Transcatheter aortic valve implantation in low rise left main ostium / Ajay Mahajan



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- E3 Left atrial appendage occlusion with the LAMbre device: initial experience / Francisco Chamie / Enio Guerios / Adriano Dourado Oliveira / Daniel Peralta / Romulo Torres / João Carlos Tress / Maximiliano Lacoste
- E4 Placement of a vascular plug for residual leak during a watchman left atrial appendage occlusion procedure / Alberta Yen / Cindy Wang / Rushi Parikh / Guson Kang / Yuhei Kobayashi / David Lee / David Liang
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- E6 Left atrial appendage closure after intracerebral hemorrhage / Konstantinos Aznaouridis / Konstantina Aggeli / Konstantinos Kalogeras / Stratis Katsianos / Evelina Bei / Babis Kalantzis / Maria Kariori / Manolis Vavuranakis

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- H1 Perforation of membranous pulmonary atresia and a rvot stenting in a small infant
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- H2 Palliative RVOT stenting in a phenotypic noonan's infant with severe RV dysfunction / Ronak Sheth / Kothandam Sivakumar



- H3 Hybrid stenting of the RVOT in a case of pulmonary atresia with large subaortic ventricular septal defect by retrograde puncture of RVOT from the pulmonary artery / Prakash Ramachandra / Sudesh Prabhu / Shreesha Maiya

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- L2 Percutaneous femoral arterial cannulation in neonates undergoing cardiac surgery or catheterization: using ultrasound guidance with 0.014 inch floppy guidewire / Tugcin Bora Polat
- L3 Dislodgement of long tapered tip sirulimus eluting stent from delivery balloon and subsequent deployment in radial artery – a case report French medical institute in Kabul Afghanistan / Najeebullah Jalalzai
- L4 iCMR hemodynamic dvaluation in pre and post fontan patients / Yousef Arar / Surendranath Reddy / Riad Abouzahr / Vasu Gooty / Jennifer Hernandez / Silvestre Duran / Mari Nieves Velasco Forte / Sebastien Roujol / Gerald Greil / Tarique Hussain
- L5 Percutaneous left atrial appendage occlusion yields favorable neurological outcomes in patients with non-valvular atrial fibrillation / Jung-Sun Kim / Oh-Hyun Lee / Young Dae Kim / Geu-Ru Hong / Hui-Nam Pak / Cheol Woong Yu / Yat-Yin Lam / Xavier Freixa / Apostolos Tzikas / Do-Sun Lim / Yangsoo Jang / Jai-Wun Park
- L6 Trans-axillary artery access for rescue balloon angioplasty and stent Implantation in a 3 month old patient with severe aortic coarctation, biventricular decompensation and RSV pneumonia / Julia Moosmann / Ariawan Purbojo / Robert Cesnjevar / Joerg Schirrmeister / Sven Dittrich
- L7 Transcatheter treatment of a symptomatic giant iliac artery aneurysm in a two-year old child / Osman Baspinar / Ertan Vuruskan / Serkan Coskun / Bedri Aldudak



- L8 Endovascular treatment of right coronary to right ventricle fistula in small child / Dmitriy Korzh / Ivan Tkachev
- L9 Percutaneous closure of large pulmonary artery to left atrial fistula: two cases with two different approach / Anil Kumar Singhi / Raman Krishna Kumar / Arnab De / Rana Rathod Roy
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- L11 Reverse patient positioning to reduce radiation exposure and facilitate interventional procedures when brachiocephalic access is required – the upside-down maneuver / Rouven Kubicki / Kevin Mueller / Johanna Hummel / Brigitte Stiller / Jochen Grohmann
- L12 Mitraclip delivery system fracture requiring emergency open heart retrieval / Jainil Shah / Kerolos Fahmi / Kenneth Liao / Gladwin Das / Megan Lanigan / Srinivasan Sattiraju / Emil Missov
- L13 A case of recurrent pericardial effusion performed successful percutaneous balloon pericardiectomy / Katsushi Amemiya / Hidehiko Hara / Satoru Toi / Go Hashimoto / Masato Nakamura
- L14 A story when “bigger” was not that much better / Ilie Barb
- L15 Transcatheter closure of coronary cameral fistula with two years follow up / Ajay Mahajan
- L16 Intravascular stent implantation for hydrocephalus and chylothorax to congenital superior vena cava stenosis in an infant / Gernot Grangl / Gitter Roland / Marterer Robert / Burmas Ante / Kurath-Koller Stefan / Froehlich Judith / Schweintzger Sabrina / Grillitsch Marlene / Koestenberger Martin / Gamillscheg Andreas
- L17 Transcatheter closure of an unusual portosystemic shunt to coronary sinus in the setting of situs solitus dextrocardia / Ronak Sheth / Kothandam Sivakumar
- L18 Diagnosis, evaluation and outcomes of percutaneous closure of abernethy malformations / Deepa Sasikumar / Anoop Ayyappan / Jineesh V / Bijulal Sasidharan / Krishnamoorthy Kavasseri



- L19 Breaking of guide wire during aortic balloon valvuloplasty / Keyhan Sayadpour Zanjani
- L20 Valve-in-valve treatment for severe bioprosthetic mitral valve stenosis: case report / Shreya Ghetiya / Maedeh Ganji / Andres Pineda Maldonado / Daniel Soffer / Srinivasan Sattiraju / Emil Missov
- L21 The outcome of extended venesection in symptomatic patients with congenital cyanotic heart diseases: a single center comparative study / Amira Nour
- L22 Congenital heart disease imaging trend in Indonesia: are we already moving towards the use of non-invasive technique? / Oktavia Lilyasari
- L23 Rescue trans-aortic LV decompression after ECMO insertion in 11-months patient with DCMF / Se Yong Jung / Jae Young Choi
- L24 Complex high-risk PCI in cardiogenic shock with impella CP / Iyad Azzam
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- L26 Repeated stent migration: a case report of left pulmonary artery stenting / Ahmad Vesal / Ali Zolfi-Gol / Farshad Jafari
- L27 Ventricular septal rupture as the only presenting finding of clinically silent myocardial infarction: diagnosis and management / Maria Tamargo / Abdallah El Sabbagh / Erin A Fender / Nathaniel W Taggart / Donald J Hagler / Charanjit S Rihal / Guy S Reeder
- L28 Ductal stenting with strut dilation and recruitment of right upper lobe artery in a case of pulmonary atresia with ventricular septal defect with right upper lobe artery directly arising from ductus arteriosus / Prakash Ramachandra / Sudesh Prabhu / Shreesha Maiya
- L29 Ductal stenting by carotid artery approach using an arterio-arterial loop in a case with abnormal arch anatomy – adversity to advantage / Prakash Ramachandra / Shreesha Maiya / Sudesh Prabhu
- L30 Catheter based closure of large aorta to RV fistula / Mohd Mirza



- L31 Successful MitraClip implantation in an patient with recurrent mitral regurgitation after surgical mitral valve repair / Takehiro Nomura / Takashi Matsumoto / Arata Inoue / Masaki Nakashima / Yukiko Mizutani / Mie Sakurai / Norio Tada / Yoshiko Munehisa / Tatsushi Ootomo
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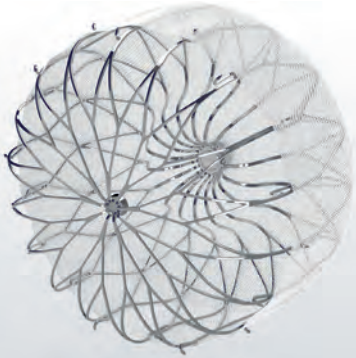


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