

CSI FRANKFURT 2018

WORKBOOK

JUNE 27 – 30, 2018

FRANKFURT, GERMANY



www.csi-congress.org



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FOUNDATION

Congenital, structural and valvar
heart interventions

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Congenital, structural and valvar



GENERAL INFORMATION

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CSI



WELCOME TO CSI FRANKFURT 2018

We are delighted to welcome you to CSI Frankfurt 2018. This year's program features 4 parallel streams of main sessions with a focus on adult, pediatric or mixed topics available at all times.

Back by popular demand are our focus workshops which will provide deeper knowledge about particular topics, specifically: PFO, interventional imaging, paravalvar leak closure, pulmonary valve implantation and device development on Wednesday, June 27 and TAVI and mitral valve repair and replacement on Saturday, June 30. We will also focus in particular on LAA closure and tricuspid valve repair and replacement.

/ see page 9 for more information on focused learning opportunities

The program will feature more live cases than ever transmitted by 12 renowned centers across the globe and we have a number of new session formats and program highlights planned throughout our 4-day program.

/ see leaflet "Pocket guide" for an overview

Be sure not to miss our live only sessions with a minimum of 2 centers transmitting in parallel – stay tuned on the congress app to see which cases are coming up.



THE OFFICIAL MOBILE APP "CSI FRANKFURT 2018"

Now available for download for both Android and Apple devices.



Detailed infos on page 8





Despite new funding regulations looming over medical congresses and education since the beginning of this year in both Europe and Asia, we have been surprised and honored by the amount of support and encouragement brought to us by physicians and industry alike.

With attendee numbers at an all time high, we would like to take this opportunity to thank our international faculty for their contributions to this meeting and of course our industry partners for their support. Most importantly, we want to thank our attendees for joining us in Frankfurt this year and for helping us to continue the ethos of CSI – participate in our discussions, share your thoughts and experiences, ask questions, and help us make this experience meaningful, educational and fun.

We look forward to getting to know you over the next 4 days!

Sincerely yours,
The CSI course directors

Horst Sievert, MD
Mario Carminati, MD
Neil Wilson, MD
Shakeel A. Qureshi, MD



CSI FRANKFURT 2018 CONGRESS APP

The official mobile application for CSI 2018 – 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 2018** 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
#CSIFrankfurt2018

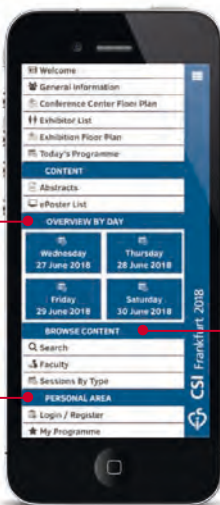
Our program structure features parallel streams at all times so that you can customize your learning experience. Use the congress app to create your own personal program.

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

SEARCH THE APP FOR FOCUS TOPICS SUCH AS:

- **ASD** for atrial septal defect closure
- **Innovation** for device development
- **Imaging** for interventional imaging
- **LAA** for left atrial appendage closure
- **Mitral** for mitral valve repair and implantation
- **TAVI** for transcatheter aortic valve implantation
- **Tricuspid** for tricuspid repair and replacement
- **Paravalvar** for paravalvar leak closure
- **PDA** for patent ductus arteriosus closure
- **PFO** for patent foramen ovale closure
- **Pulmonary** for pulmonary valve implantation
- **VSD** for ventricular septal defect



DO NOT MISS!

WELCOME SESSION

Join us on Friday morning, 8.00–9.30 in the main arena for the congress opening, featuring live transmissions from the CardioVascular Center Frankfurt (CVC) and Rigshospitalet Copenhagen. Chaired by Shakeel A. Qureshi, Neil Wilson, Junbo Ge, Martin B. Leon, Christine Awour Yoko-Jowi and Sameer Gafoor, this is a session not to be missed! / p. 81

THE INTERVIEW WITH MARTIN B. LEON

Shakeel A. Qureshi, Neil Wilson and Eberhard Grube will speak to Martin B. Leon about his career, achievements, innovative research and clinical practice – get to know one of the masters in the field of congenital, structural and valvar heart disease interventions on Friday, 10.05–10.30 in the Main Arena. / p. 81

DEVICE PARADES

This new session format will allow you to test and compare devices in 3D printed models provided by Materialise. The program will feature device parades on pulmonary valve implantation (Wednesday, 10.30–13.10), tricuspid repair and replacement (Thursday, 13.00–15.30) and LAA closure (Friday, 12.50–15.30). / p. 48 / p. 74 / p. 86

CSI ROAD TO THE TOP

Hear from experienced CSI faculty how they progressed their careers. This session will feature Gianfranco Butera, Sameer Gafoor, Ziyad Hijazi, Martin B. Leon, Pascal Meier, Shakeel A. Qureshi and Neil Wilson. Join them for a panel discussion about what it actually means to be at the top! Friday, 16.00–17.25 in the congress theatre. / p. 88

NEIL WILSON'S CHALLENGING CASES

Neil Wilson has been a feature of CSI since 1999 and his British sense of humour coupled with serious debate has established this early morning session as a favorite for many regular attendees. Get up early, grab some breakfast from the industry exhibition and join Neil on the 2nd floor in the congress theatre on Saturday morning, 7.00–8.00. / p. 92



HILDICK-SMITH DEBATE

The Hildick-Smith debate featuring David Hildick-Smith

Session: LAA closure, Thursday, 13.00 – 15.30

Debate topic: LAA closure should be performed in almost all patients with lone atrial fibrillation – Pro and con / p. 73

THE E-POSTER PRESENTATION

Moderated e-poster sessions will take place on Friday morning from 7.00–8.00 in the presentation area at the back of the main lecture hall Harmony. You can visit this area at any time to browse through over all posters submitted for the meeting or use the congress app to review over 130 submitted abstracts.

/ p. 80

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. Do not miss the dedicated exhibitions for PFO closure (all day Wednesday) and TAVI (all day Saturday) on the 2nd floor in the congress theatre.

/ see leaflet "Pocket guide" for an overview

THE CSI FOUNDATION LOUNGE

Sit back and relax on the 2nd floor in the CSI Foundation Lounge. Use this opportunity to network with your peers, the faculty and industry representatives. There will be live streaming from the most popular sessions so you will not miss any of the action!

DAILY BREAKFAST

We will serve breakfast every morning at 7.00 in the industry exhibition on the 1st floor.

/ see leaflet "Pocket guide" for an overview

SOCIAL DINNER

Join us at restaurant "Alex" Frankfurt Skyline Plaza, Europa Allee 8, 60327 Frankfurt, on Friday, June 29, 2018 from 19.30–23.00.

Dresscode: casual

Alex is situated 10 minutes walking distance from the congress center. We will meet at 19.00 in front of the entrance of the congress center to walk to the dinner location.

/ www.dein-alex.de



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

OPENING HOURS

Wednesday, June 27, 2018	7.00 – 19.00
Thursday, June 28, 2018	7.00 – 19.00
Friday, June 29, 2018	6.30 – 19.00
Saturday, July 30, 2018	6.30 – 18.00

FREE WIFI

SSID: Congress WiFi Username: CSI62018 Password: CSI62018

STAY UP TO DATE

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

DOWNLOADS

Content of CSI 2018 will be available at the CSI website by 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 download on the CSI website: www.csi-congress.org/csi-frankfurt/abstracts-cases

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

Thank you for your attention,

cme4u GmbH
Congress organization





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SOCIAL DINNER VENUE ON FRIDAY JUNE 29, 2018

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www.dein-alex.de

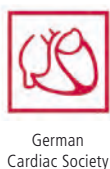
UNDER THE AUSPICES OF ...



German
Cardiac Society

ACCREDITATION CSI FRANKFURT 2018

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



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 2018!

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/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 15, 2018.



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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-UCSF

OCT 26–27, 2018 / SAN FRANCISCO, USA



This conference will give you a comprehensive overview of major topics in catheter and device therapy for congenital, structural and valvular heart disease, in addition to novel therapies for atrial fibrillation and heart failure.



CSI FOCUS LAA

NOV 16–17, 2018 / FRANKFURT, GERMANY

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



CSI AFRICA

NOV 30 – DEC 1, 2018 / CAIRO, EGYPT

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.



CSI FOCUS D-HF

DEC 14–15, 2018 / FRANKFURT, GERMANY

Heart failure is the next frontier in cardiovascular interventions. 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.



CSI ASIA-PACIFIC

FEB 22–24, 2019 / GUANGZHOU, CHINA

Focused on practice in the Asia-Pacific region, this meeting will give a comprehensive overview of major topics in catheter therapy of congenital, structural and valvular heart disease.





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LIVE CASE TRANSMISSIONS

CSI CONFERENCE

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

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WEDNESDAY, 27 JUNE

IMAGING



WEDNESDAY

07.00 – 11.50

IMAGING



07.00 – 08.00

EXHIBITION AREA, 1ST AND 2ND FLOOR

BREAKFAST



08.00 – 10.00

MAIN LECTURE HALL / 1ST FLOOR

WHAT'S NEW IN IMAGING

MODERATORS / *Martin Swaans / Bushra Rana*

PANELISTS / *Elchanan Bruckheimer / Joao Cavalcante / Shakeel Qureshi*

What are the new EchoNav and HeartNav features / *John Carroll*

Holography – Prime time for clinical use / *Elchanan Bruckheimer*

Another approach to holography / *Jakub Kaminski*

The advantages of using CT-Fluoro-fusion / *Regis Vaillant*

MRI in structural heart disease / *Joao Cavalcante*

How the 3Mensio tricuspid analysis software can help in transcatheter tricuspid interventions / *Martin Swaans*

Advancements in 3D planning and printing for structural interventions / *Peter Verschueren*

Patient-based computer simulations to predict conduction disorders after TAVI / *Peter Mortier*

Interactive CT-based planning for emerging interventions (tricuspid and mitral valve) / *Julian Praceus*

DISCUSSION



10.00 – 10.30

EXHIBITION AREA / 1ST AND 2ND FLOOR

TEA AND COFFEE BREAK



10.30 – 11.50

MAIN LECTURE HALL / 1ST FLOOR

TAVI – NEW CONCEPTS IN OPTIMISING OUTCOMES

MODERATORS / *Dee Dee Wang / Stefan Toggweiler*

PANELISTS / *Danny Dvir / Cameron Dowling*

LVOT annular mismatch-risk of need for pacemaker and paravalvar leaks / *Gilbert Tang*



Tricuspid vs. bicuspid valves: pre-procedure imaging / *Xianbao Liu*

Valve in valve pre-procedure imaging to guide device selection and sizing / *Danny Dvir*

Live demonstration of CT analysis before TAVI / *Dee Dee Wang*

Computer modelling for TAVI sizing in bicuspid patients / *Cameron Dowling*

Systematic CT methodology for the evaluation of subclinical leaflet thrombosis / *Dee Dee Wang*

DISCUSSION



10.30 – 11.50

ROOM CONCLUSIO / 1ST FLOOR

COARCTATION

MODERATORS / *Carmelo Arcidiacono / Sarah Nordmeyer*

PANELISTS / *Francesca Pluchinotta / Kuberan Pushparajah*

Morphology of aortic coarctation

– In infants / *Annalisa Angelini*

– In older patients / *Karen McCarthy*

Echocardiographic assessment / *Carmelo Arcidiacono*

MRI or CT assessment? / *Francesca Pluchinotta*

How useful is 4D flow MRI assessment in coarctation?

/ *Sarah Nordmeyer*

3DRA – Fusion imaging in catheter lab / *Gregor Krings*

DISCUSSION



11.50 – 13.10

MAIN LECTURE HALL / 1ST FLOOR

LAA CLOSURE

MODERATORS / *Apostolos Tzikas / Jacqueline Saw*

PANELISTS / *Karen McCarthy / Niels Vejlstrop*

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center Frankfurt CVC, Germany

Anatomy for LAA closure: position of LAA occluders within the heart, variations in morphology, proximity to key landmarks

/ *Karen McCarthy*

6 examples of pre-procedure imaging pitfalls:

CT versus TEE

– CT (LAA occluder opacification, contrast load, timing of acquisition, where to measure, hydration status, LAA thrombus) / *Apostolos Tzikas*



WEDNESDAY

11.50 – 14.40

IMAGING

– TEE (LAA occluder opacification, contrast, where/when to measure, hydration status, LAA thrombus) / *Bushra Rana*

How can 3D printing help? / *Dee Dee Wang*

How to use Fusion Imaging during LAA closure: step by step

/ *Martin Swaans*

Follow up of LAA closure: when, how and what to look for?

/ *Jacqueline Saw*

DISCUSSION



11.50 – 13.10

ROOM CONCLUSIO / 1ST FLOOR

PDA

MODERATORS / *John Thomson / Carmelo Arcidiacono*

PANELISTS / *Annalisa Angelini / Kuberan Pushparajah*

Morphology of PDA in different age groups / *Annalisa Angelini*

Echocardiographic correlations / *Carmelo Arcidiacono*

What does CT and MRI imaging add to our assessment prior to interventions? / *Kuberan Pushparajah*

Pitfalls of echo assessment for morphology and defect sizing as compared to the gold standard angiography / *John Thomson*

Assessment post-intervention – How and what to look for?

/ *Alexandra Savis*

DISCUSSION



13.10 – 13.20

EXHIBITION AREA / 1ST AND 2ND FLOOR

PICK UP YOUR LUNCH BOXES



13.20 – 14.40

MAIN LECTURE HALL / 1ST FLOOR

TRICUSPID VALVE

MODERATORS / *Martin Swaans / Giora Weisz*

PANELISTS / *Annalisa Angelini / Felix Kreidel / Bushra Rana*

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center Frankfurt CVC, Germany

Scope of the problem: prevalence and patient groups / *Martin Swaans*

Pre-procedure imaging: CT imaging of the tricuspid valve angles, veins, annulus, anatomy, RV / *Dee Dee Wang*



Echo imaging of the tricuspid valve: severity, anatomy, annulus, RV / *Martin Swaans*

Peri-procedural imaging for transcatheter tricuspid valve interventions / *Stephan von Bardeleben*

DISCUSSION



13.20 – 14.40

ROOM CONCLUSIO / 1ST FLOOR

PULMONARY VALVE

MODERATORS / *Mario Carminati / Karen McCarthy*

PANELISTS / *John Breinholt / Sebastian Goreczny / Angelo Micheletti*

Morphology of pulmonary valve in regurgitation and stenosis / *Andrew Cook*

Morphology of pulmonary valve stenosis: prediction on balloon dilation effectiveness / *Jesse Esch*

Echocardiographic assessment / *Angelo Micheletti*

Quantification of pulmonary regurgitation, RVOT morphology and suitability for PPVI / *Alessandra Frigiola*

Assessing endocarditis after PPVI: what is the best imaging modality? / *Andreas Eicken*

3D imaging and printing – Value in planning PPVI / *Francesca Pluchinotta*

3DRA/fusion imaging in catheter lab / *Sebastian Goreczny*

DISCUSSION



14.40 – 16.00

MAIN LECTURE HALL / 1ST FLOOR

ASD FROM FETUS TO ADULT

MODERATORS / *Bushra Rana / Angelo Micheletti*

PANELISTS / *Matthew Daniels / Alexandra Savis*

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center Frankfurt CVC, Germany

Anatomy of the atrial septum and ASD morphologies / *Karen McCarthy*

Assessment of ASD in the fetus / *Sally-Ann Clur*

How to diagnose a secundum ASD in the young (TTE to demonstrate differential diagnosis, pulmonary veins, associated lesions) / *Alexandra Savis*

To close or not to close? Location, size and rims / *Angelo Micheletti*



WEDNESDAY

14.40 – 18.30

IMAGING

Follow up of ASD closure: when, how and what to look for?

/ Alexandra Savis

DISCUSSION



14.40 – 16.00

ROOM CONCLUSIO / 1ST FLOOR

PFO

MODERATORS / *Neil Wilson / Andrew Cook*

PANELISTS / *Daniel De Wolf / Nilesh Sutaria*

Development of the atrial septum and PFO morphology / *Andrew Cook*

Diagnosis and pitfalls of a PFO: bubble TTE vs TCD / *Jeffrey Khoo*

How to size the defect? Balloon or no balloon? / *Daniel De Wolf*

Role of TEE during PFO closure / *Nilesh Sutaria*

ICE guidance during PFO closure: step by step / *Sergio Berti*

Follow up of PFO closure: when, how and what to look for?

/ Nilesh Sutaria

DISCUSSION



16.00 – 16.30

EXHIBITION AREA / 1ST AND 2ND FLOOR

TEA AND COFFEE BREAK



16.30 – 18.30

MAIN LECTURE HALL / 1ST FLOOR

MITRAL VALVE INTERVENTION

MODERATORS / *Ted Feldman / Martin Swaans*

PANELISTS / *Agne Drasutiene / Karen McCarthy / Dee Dee Wang*

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center Frankfurt CVC, Germany

Fluoro and echo imaging during the procedure – Talking the same language / *Felix Kreidel*

Role of CT in pre-procedural planning in MV interventions

/ Dee Dee Wang

Role of echo during the procedure step by step / *Stephan von Bardeleben*

**Case based learning in transcatheter MV repair:
pivotal role of imaging in a case of severe MR and ...**

– MitraClip / *Martin Swaans*

– Carillon / *Stephan von Bardeleben*

– NeoChord / *Agne Drasutiene*



An echo review of AccuCinch, pre-procedure, intra-procedure and follow up / *Omar Nass*

Follow up imaging: techniques in assessment of regurgitation severity and stenosis / *Martin Swaans*

DISCUSSION



16.30 – 18.30

ROOM CONCLUSIO / 1ST FLOOR**VSD**MODERATORS / *Shakeel Qureshi / Nageswara Rao Koneti*PANELISTS / *Lucy Eun / Supaporn Roymanee / Do Nguyen Tin*Morphology of VSD / *Andrew Cook*

What information is needed prior to catheter closure

/ *Nageswara Rao Koneti*Assessment of VSD shunts by MRI / *Kuberan Pushparajah*TEE monitoring during closure / *Angelo Micheletti*

What is the best way to image following catheter closure

/ *Carmelo Arcidiacono***DEBATE****Cusp prolapse, subarterial VSD and subaortic ridge:
contraindication for catheter closure**– YES / *Carmelo Arcidiacono*– NO / *Do Nguyen Tin*VSDs suitable and unsuitable for transcatheter closure / *Lucy Eun*

DISCUSSION

**WE WANT TO HEAR
YOUR OPINION !**

Please complete our survey:
www.csi-congress.org/evaluation







WEDNESDAY, 27 JUNE

PVI



WEDNESDAY

07.00 – 13.10

PVI



07.00 – 08.00

EXHIBITION AREA / 1ST AND 2ND FLOOR

BREAKFAST



08.00 – 10.00

ROOM SPEKTRUM / 1ST FLOOR

ANATOMY, IMAGING, EVALUATION, INDICATIONS FOR INTERVENTION AND COMPLICATIONS

MODERATORS / *Mario Carminati / Francesca Pluchinotta*

PANELISTS / *Jose Luis Zunzunequi / Alessandra Frigiola / Damien Kenny*

RVOT anatomy / *Annalisa Angelini*

RVOT 3D imaging and printing / *Francesca Pluchinotta*

CT and MRI evaluation of RVOT / *Alessandra Frigiola*

Assessment of pulmonary regurgitation / *Kuberan Pushparajah*

Should indications for pulmonary valve implantation be modified?

/ *Jose Luis Zunzunequi*

Computational simulation / *Francesca Pluchinotta*

Surgical strategies to facilitate catheter PVR / *Damien Kenny*

Complications of PVR and how to deal with them / *Farhouch Berdjis*

DISCUSSION



10.00 – 10.30

EXHIBITION AREA / 1ST AND 2ND FLOOR

TEA AND COFFEE BREAK



10.30 – 13.10

ROOM SPEKTRUM / 1ST FLOOR

DEVICE PARADE: CHOOSING A VALVE

MODERATORS / *Allison Cabalka / Nikolaus Haas*

PANELISTS / *Massimo Caputo / Sachin Khambadkone / Farhouch Berdjis*

Introduction by Materialise / *Peter Verschueren*



The spectrum of pathology of RVOT and pulmonary valve –
Relevance to pulmonary valve implantation / *Sachin Khambadkone*

Alterra / Gregor Krings

Melody valve – Case example / *Vaikom Mahadevan*

Results of the international multicenter Pulmonic S3 registry
/ *Nikolaus Haas*

Global experiences on VenusP-Valve / *Worakan Promphan*

VenusP-Valve experiences from China / *Xiangbin Pan*

Harmony: design and early clinical experience / *Daniel S. Levi*

Pulsta / Gi Beom Kim

Injectable valves / *Massimo Caputo*

Limitations of current valves / *Ziyad Hijazi*

Case-based discussion – Challenging cases / *Shakeel Qureshi*

DISCUSSION



13.10 – 13.20

EXHIBITION AREA / 1ST AND 2ND FLOOR

PICK UP YOUR LUNCH BOXES

**WE WANT TO HEAR
YOUR OPINION !**

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WEDNESDAY, 27 JUNE

PVL



WEDNESDAY

13.10 – 16.00

PVL



13.10 – 13.20

EXHIBITION AREA / 1ST AND 2ND FLOOR

PICK UP YOUR LUNCH BOXES



13.20 – 14.50

ROOM SPEKTRUM / 1ST FLOOR

PARAVALVAR LEAKS: SETTING THE SCENE

MODERATORS / *Joseph DeGiovanni / Iqbal Malik*

PANELISTS / *Gry Dahle / Alain Delabays*

Paravalvar leaks: incidence, etiology, morphology, natural history
/ Thomas Walther

Should we close all leaks? / *Ted Feldman*

Haemolysis due to paravalvar leaks: how to diagnose, why it occurs, treatment options / *Iqbal Malik*

Von Willebrand Factor in assessing paravalvar leaks after TAVI
/ Eric Van Belle

Limitations of surgical paravalvar leak closure / *Gry Dahle*

Devices – What's on offer? / *Joseph DeGiovanni*

Role of pre-procedure imaging by CT / *Kasper Korsholm*

Role of pre-procedure imaging by Echo / *Alain Delabays*

Post-implant haemolysis – Unpredictable and untreatable?
/ John Carroll

DISCUSSION



14.50 – 16.00

ROOM SPEKTRUM / 1ST FLOOR

CLOSING AORTIC PARAVALVAR LEAKS

MODERATORS / *Shakeel Qureshi / Paul Sorajja*

PANELISTS / *Joseph DeGiovanni / Eric Van Belle / Rafael Hirsch*

Aortic leak closure: my most important tips and tricks / *Rafael Hirsch*

Case example of a retrograde paravalvar aortic leak closure
/ Kolja Sievert

Case example of a transapical paravalvar aortic leak closure
/ Paul Sorajja

A case I wish I had not attempted / *Joseph DeGiovanni*



How to close paravalvar leaks after TAVI / *Kolja Sievert*

DISCUSSION



16.00 – 16.30

EXHIBITION AREA / 1ST AND 2ND FLOOR

TEA AND COFFEE BREAK



16.30 – 18.30

ROOM SPEKTRUM / 1ST FLOOR

CLOSING MITRAL PARAVALVAR LEAKS

MODERATORS / *Neil Wilson / Reda Abuelatta*

PANELISTS / *Rafael Hirsch / Alain Fraisse / Peter Sick*

Which device for which defect / *Alain Delabays*

The Occlutech PLD / *Eustaquio Onorato*

Transseptal puncture in mitral paravalvar leak closure / *Peter Sick*

My mitral paravalvar leak closure case done via the

- Antegrade approach / *Joseph DeGiovanni*
- Retrograde approach / *Rafael Hirsch*
- Transapical approach / *Reda Abuelatta*

Follow up imaging in paravalvar leak closure: when, how and what to look for? / *Nilesh Sutaria*

Challenging cases continued

- Case 1: How I did it / *Vaikom Mahadevan*
- Case 2: How I wish I had done it! / *Alain Fraisse*
- Case 3: Why I wish I had never done it! / *Patrick Calvert*

DISCUSSION

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WEDNESDAY, 27 JUNE



PFO



WEDNESDAY

07.00 – 10.30

PFO



07.00 – 08.00

EXHIBITION AREA / 1ST AND 2ND FLOOR

BREAKFAST



08.00 – 10.00

ROOM FANTASIE / 2ND FLOOR

EVIDENCE FOR STROKE PREVENTION AND OTHER ASSOCIATED DISORDERS

MODERATORS / *Bernhard Meier / Mark Reisman*

PANELISTS / *Franz Kleber / Teiji Akagi / Jean-Louis Mas*

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center Frankfurt CVC, Germany

PFO update 2018

- A neurologist's perspective / *Michael Hennerici*
- A statistician's perspective / *Jochen Mau*

A deep dive into REDUCE / *Lars Sondergaard*

A deep dive into CLOSE / *Jean-Louis Mas*

A deep dive into Long-term RESPECT update / *John Carroll*

It is time for a primary prevention trial – Here is the draft of the protocol! / *Bernhard Meier*

Diving and patent foramen ovale / *Keshav Nayak*

Platypnea/orthodeoxia: can you explain this to me? Physiology, identification and management / *Vaikom Mahadevan*

Migraine / *Mark Reisman*

We are forgetting something: myocardial infarction due to paradoxical embolism / *Franz Kleber*

DISCUSSION



10.00 – 10.30

EXHIBITION AREA / 1ST AND 2ND FLOOR

TEA AND COFFEE BREAK



10.30 – 13.10

ROOM FANTASIE / 2ND FLOOR

PRACTICAL APPROACH

MODERATORS / *John Carroll / Eustaquio Onorato*PANELISTS / *Michael Hennerici / Gianluca Rigatelli*

Patent foramen ovale closure with Amplatzer devices: step-by-step
/ *Gianfranco Butera*

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center Frankfurt CVC, Germany

Specific tricks and tips in

- Hypermobility or aneurysmal septum / *Jeffrey Khoo*
- Interatrial septal hypertrophy / *John Carroll*
- Long tunnel / *John Carroll*
- Fenestrated/multiple defects / *Eustaquio Onorato*

We always balloon size and here is how / *Kolja Sievert*

We never balloon size and determine size by preprocedure echo
and here is how / *Bernhard Meier*

I do PFO closure with ICE and this is all you need to know about it
/ *Gianluca Rigatelli*

I do PFO closure with TEE and this is all you need to know about it
/ *Kolja Sievert*

TEE/ICE is not needed, I do this with fluoroscopy only and this
is how / *Bernhard Meier*

DISCUSSION



13.10 – 13.20

EXHIBITION AREA / 1ST AND 2ND FLOOR

PICK UP YOUR LUNCH BOXES



13.20 – 14.40

ROOM FANTASIE / 2ND FLOOR

OTHER DEVICES, NEW DEVICES DEVICE DESIGN, RESULTS

MODERATORS / *Neil Wilson / Lars Sondergaard*PANELISTS / *Zahid Amin / Philip MacCarthy*

Do we need new PFO devices? / *Philip MacCarthy*

Cardioform / *Lars Sondergaard*



WEDNESDAY

14.40 – 16.30

PFO

Occlutech / *Werner Budts*

PFM / *Rainer Kozlik-Feldmann*

Bioabsorbable devices / *Kolja Sievert*

Suture based PFO closure: the European experience

/ *Achille Gaspardane*

Suture based PFO closure: the US experience / *Anthony Nobles*

Trans-Tunnel PFO Device / *Eustaquio Onorato*

DISCUSSION



14.40 – 16.00

ROOM FANTASIE / 2ND FLOOR

HOW TO BUILD AND MAINTAIN A PFO CLOSURE PROGRAM

MODERATORS / *Per Wester / Jacqueline Saw*

PANELISTS / *Scott Kasner / Eustaquio Onorato*

Coming to a new institution with no experience in structural interventions: where to start, what to consider? / *Sameer Gafoor*

Strategies to increase public awareness / *Lars Sondergaard*

How to increase referrals

– Do's / *Scott Kasner*

– Don'ts / *Per Wester*

How social media helps patient enrollment into clinical trials

/ *Jacqueline Saw*

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center Frankfurt CVC, Germany

DISCUSSION



16.00 – 16.30

EXHIBITION AREA / 1ST AND 2ND FLOOR

TEA AND COFFEE BREAK



16.30 – 18.30

ROOM FANTASIE / 2ND FLOOR

POTENTIAL PROBLEMS, GUIDELINES SCORES AND COST

MODERATORS / *Zahid Amin / Philip MacCarthy*PANELISTS / *Gianluca Rigatelli / Michael Hennerici*

Atrial fibrillation after PFO closure: transient innocent bystander or to be taken seriously? / *John Carroll*

Device-associated thrombus: incidence, prognosis and management / *Philip MacCarthy*

Device erosion after PFO closure: how frequent? Can we prevent it? / *Zahid Amin*

Is PFO closure cost effective? / *John Carroll*

Neurologists point of view on current and future guidelines / *Scott Kasner*

Residual shunt after PFO closure: a case series / *Eustaquio Onorato*

My patient is not feeling well after PFO closure and is convinced this is related to Nickel: what now? / *Eustaquio Onorato*

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center Frankfurt CVC, Germany

DISCUSSION

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Make Sure Your Advisors Help You Address a Clinical Need That Is Also a Business

- "Good for Mankind" ideas can be widely used if combined with already FDA-approved devices using modifications made within the ability of physicians (steal a curve program, certain set of pacing parameters)
- If outside of these practical limits, to get the money for development and regulatory approval, it must be a business
- The people you need to raise money from want to see a return on their investment for taking the risk of funding clinical trials and regulatory approval
- Thus, while there are many clinically important ideas, a number never get developed or widely used as a result of not being fundable as a business
- You may need to work with multiple sources of clinical need if it is a common enough clinical problem or, even if difficult to treat, only affects a small number of patients





WEDNESDAY, 27 JUNE

DEVICE DEVELOPMENT (DDW)



WEDNESDAY

07.00 – 12.00

DDW



07.00 – 08.00

EXHIBITION AREA / 1ST AND 2ND FLOOR

BREAKFAST



08.15 – 08.30

ROOM ILLUSION / 2ND FLOOR

WELCOME AND INTRODUCTION

MODERATORS / *Sameer Gafoor / Todd Brinton*



08.30 – 10.00

ROOM ILLUSION / 2ND FLOOR

NEEDS AND CONCEPTS

MODERATOR / *Sameer Gafoor*

PANELISTS / *Todd Brinton / Rick Shoop / Stan Rabinovich*

Making a map for early concept generation / *Todd Brinton*

Tracking what I invent / *Rick Shoop*

Listening to (or not listening to) clinical advisors / *James Leiter*

Needs & concepts entrepreneurs

- Thermapeutix, Inc. / *Ron Solar*
 - Xenios AG / *Georg Matheis*
 - Physician entrepreneur: lost in translation? / *Martin Bocks*
-

DISCUSSION



10.00 – 10.30

EXHIBITION AREA / 1ST AND 2ND FLOOR

TEA AND COFFEE BREAK



10.30 – 12.00

ROOM ILLUSION / 2ND FLOOR

PRECLINICAL ENVIRONMENT

MODERATOR / *Todd Brinton*

PANELISTS / *Santosh Prabhu / Alope Virmani Finn / Laurence Fiette*

The engineering process: reducing concept to reality

/ *Santosh Prabhu*





WEDNESDAY

12.00 – 15.00

DDW

Histopathology for feasibility assessment in 2018 – Strengths and limitations / *Aloke Virmani Finn*

Making feasibility better: in vivo, in vitro, in virtual / *Laurence Fiette*

Preclinical environment entrepreneurs

- Protembis GmbH / *Karl von Mangoldt*
- Neuroloop GmbH / *Michael Lauk*
- Occlutech GmbH / *Tor Peters*

DISCUSSION



12.00 – 12.30

ROOM ILLUSION / 2ND FLOOR

KEYNOTE LECTURE

The modern era of interventional cardiology: at the intersection of technology, innovation, and regulation / *Martin B. Leon*

MODERATORS / *Todd Brinton / Sameer Gafoor*

DISCUSSION



12.30 – 13.30

EXHIBITION AREA / 2ND FLOOR

NETWORKING LUNCH



13.30 – 15.00

ROOM ILLUSION / 2ND FLOOR

REGULATORY AND CLINICAL TRIAL ENVIRONMENTS

MODERATOR / *Todd Brinton*

PANELISTS / *Susan Alpert / Martin B. Leon / Yuval Binur / Kathleen A. Marshal*

FDA – Commitment to change / *Susan Alpert*

European Medical Device Regulation – Implementing change, DQS Med GmbH / *Amrute Bhave*

South America – More than just Feasibility / *Erdmann Zippel*

China – Evolving pathways for clinical trials / *Yuval Binur*

Clinical research and the implications of the new digital health era / *Aly Talen*



Regulatory & clinical environment entrepreneurs

- REVA Medical, Inc. / *Jeff Anderson*
- CorFlow Therapeutics / *Jon H. Hoem*

DISCUSSION



15.00 – 16.15

ROOM ILLUSION / 2ND FLOOR

COMMERCIALIZATION AND REIMBURSEMENT STRATEGIES

MODERATOR / *Todd Brinton*

PANELISTS / *Kathleen A. Marshall / Thomas Seeger*

Clinical data and commercialization – Why, how and when?

/ *Kathleen A. Marshall*

Reimbursement – Case examples in Germany / *Thomas Seeger*

Commercialization and reimbursement entrepreneurs

- Mercatur MedSystems, Inc. / *Trent Reutiman*
- European distribution example: Claret Medical Inc.
/ *Benjamin Rieck*

DISCUSSION



16.15 – 16.30

EXHIBITION AREA / 1ST AND 2ND FLOOR

TEA AND COFFEE BREAK



16.30 – 18.15

ROOM ILLUSION / 2ND FLOOR

PIVOTS, TRANSITIONS, AND EXITS

MODERATOR / *Sameer Gafoor*

If I ran a start-up now, I would ... / *Stanley Rabinovich*

Investors and exits – What makes it happen / *Florian Ludwig*

Top 3 lessons learned from device/patent experience

/ *Anthony Nobles*

Oops ... I lost a billion dollars / *James Roberts III*



WEDNESDAY

18.15 – 18.30

DDW

Pivots, transitions and exits entrepreneurs

- Global funding sources and exits – Real world experiences
/ Jeff Jump
- From Middlepeak to Polares and the journey in between ...
/ Alex Khairkahan

Aspect Imaging – From pomegranate seed to newborns
/ Uri Rapoport

Panel and war stories */ All speakers*

DISCUSSION

18.15 – 18.30

ROOM ILLUSION / 2ND FLOOR

CONCLUDING REMARKS

/ Sameer Gafoor / Todd Brinton

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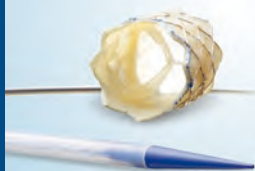
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THURSDAY, 28 JUNE

—
CSI



THURSDAY

07.00 – 09.40

CSI



07.00 – 08.00

EXHIBITION AREA / 1ST FLOOR

BREAKFAST



08.00 – 09.40

MAIN LECTURE HALL / 1ST FLOOR

LIVE CASE TRANSMISSIONS AND WHAT'S NEW (PART 1)

MODERATORS / *Shakeel Qureshi / Mario Carminati*

PANELISTS / *Todd Brinton / Bernhard Reimers / Zahid Amin*

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center Frankfurt CVC, Frankfurt, Germany

Drug eluting balloons (DEB) in congenital heart disease

/ Peter Zartner

HeartLight: a new approach for atrial fibrillation ablation

/ Andreas Metzner

ICE with all TEE imaging modes and tools */ Zahid Amin*

New treatment option for HOCM – Initial experience with a novel percutaneous approach */ Liwen Liu*

AFR in systolic and diastolic left heart failure */ Nicolaus Haas*

AFR for Fontan closure */ Sven Dittrich*

The BeGrow stent: a new stent for young children

/ Oliver Kretschmar

Lithotripsy for treatment of calcified aortic stenosis */ Todd Brinton*

Rescue of cerebral embolism during structural interventions

/ Kolja Sievert

DISCUSSION



08.00 – 09.40

ROOM CONCLUSIO 1 / 1ST FLOOR

HOW TO BE AN EFFECTIVE MODERATOR / PICES SESSION

MODERATORS / *Sara Trucco / Nathaniel Taggart*

PANELISTS / *Gareth Morgan / Aimee Liou / Michael Angtuaco*

Managing a session effectively: working the audience and working the panel */ Neil Wilson*



Practical tips on being a good moderator / *Gareth Morgan*

Case presentations from early career interventionists

- TOF/PA/MAPCAs case / *Aimee Liou*
- Truncus arteriosus case / *Michael Angtuaco*

DISCUSSION



09.40 – 10.40

MAIN LECTURE HALL / 1ST FLOOR

20 YEARS OF KURT AMPLATZ CONTRIBUTION TO INTERVENTIONAL DEVICES

MODERATORS / *Bernhard Meier / Mario Carminati*

PANELISTS / *Neil Wilson / John Carroll / Joseph DeGiovanni*

How all this started – A personal perspective / *Bernhard Meier*

Kurt Amplatz: his vision, his life, his achievements / *Mario Carminati*

TESTIMONIALS

Recorded video clips from around the world

Evolution of the use of Amplatz devices: changing indications
/ *Joseph DeGiovanni*

DISCUSSION



10.40 – 11.10

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK



11.10 – 12.50

MAIN LECTURE HALL / 1ST FLOOR

LIVE CASE TRANSMISSIONS AND WHAT'S NEW (PART 2)

MODERATORS / *Neil Wilson / Danny Dvir*

PANELISTS / *Maximillian Emmert / Henri Justino / Sameer Gafoor*

LIVE CASE TRANSMISSIONS FROM

Madras Medical Mission, Chennai, India

Structural meets coronary: Reducer™ for treatment of refractory angina patients / *Shmuel Banai*

Curved GOKU balloon catheter for postoperative acute angled lesions associated with palliative surgery in congenital heart disease / *Hideshi Tomita*



THURSDAY

12.50 – 15.30

CSI

The Basilica procedure / *Danny Dvir*

Volume ICE / *Sameer Gafoor*

Regenerative transcatheter heart valves / *Maximillian Emmert*

Non-invasive FRR: coronaries today – other vessels tomorrow?

/ *Jeroen Sonck*

A new biodegradable septal occluder: concept and animal results

/ *Tbd*

Caisson mitral valve implantation / *Konstantinos Koulogiannis*

DISCUSSION



12.50 – 13.00

EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES



13.00 – 15.30

ROOM SPEKTRUM / 1ST FLOOR

STENTING PULMONARY ARTERIES AND VEINS

MODERATORS / *Shakeel Qureshi / Oliver Stumper*

PANELISTS / *Marc Gewillig / Gianfranco Butera / Gregor Krings*

LIVE CASE TRANSMISSIONS FROM

Madras Medical Mission, Chennai, India

Best imaging evaluation: MR, CT, 3DRA ... / *Gregor Krings*

Stenting bifurcation stenosis / *Oliver Stumper*

Intraoperative stent implantation: when and why? / *Ziyad Hijazi*

Pulmonary branch stenosis in small babies: which stent?

/ *Oliver Stumper*

■ Stent restenosis: mechanisms and treatment / *Gianfranco Butera*

■ Hybrid pulmonary vein stenting / *Gi Beom Kim*

■ PAs stenting complications / *Marc Gewillig*

■ New treatment strategies for pulmonary vein stenosis and occlusions / *Henri Justino*

DISCUSSION



13.00 – 15.30

ROOM FANTASIE / 2ND FLOOR

LAA CLOSURE

MODERATORS / *Apostolos Tzikas / Joseph DeGiovanni*PANELISTS / *Jai-Wun Park / Bernhard Reimers*

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center Frankfurt CVC, Germany

LAA closure: step by step and advanced tips and tricks

/ Joseph DeGiovanni

THE HILDICK-SMITH DEBATE

LAA closure should be performed in almost all patients with lone atrial fibrillation

– Pro / *David Hildick*– Contra / *David Smith*Left atrial appendage closure under echo guidance without fluoro / *Xiangbin Pan*

Periprocidural use of ICE in left atrial appendage closure

*/ Niels Vejlstrup*Post-procedural medication / *Martin Bergmann*LAA closure combined with atrial fibrillation ablation – Which one first? Or simultaneously? / *Krzysztof Kaczmarek*Initial results of the aMAZE trial – A new way to treat chronic atrial fibrillation? / *Jonathon Hsu*

DISCUSSION



13.00 – 14.15

ROOM ILLUSION / 2ND FLOOR

HEMODYNAMICS FOR INTERVENTIONISTS

MODERATORS / *Gareth Morgan / Matthew Daniels*PANELISTS / *Israel Valverde / James Bentham*Identifying/minimizing errors in hemodynamic assessments / *Matthew Daniels*

Incorporating MRI into hemodynamic assessments

*/ Kuberan Pushparajah*4D Flow helps hemodynamic assessment? / *Israel Valverde*Pressure volume loops – How do they help? / *Gareth Morgan*When is it safe to close ASDs and PDAs with pulmonary hypertension? / *Anselm Uebing*A new technique to measure of intracardiac shunts using thermodilution / *Jozef Stasek*

DISCUSSION



THURSDAY

14.15 – 15.30

CSI



14.15 – 15.30
ROOM ILLUSION / 2ND FLOOR

EMBOLIC PROTECTION FOR STRUCTURAL AND VALVAR INTERVENTIONS

MODERATORS / *Gareth Morgan / Neil Wilson*

PANELISTS / *Ted Feldman / Patrick Calvert / Mark Reisman*

Should embolic protection be used in TAVI in all patients?

/ Mark Spence

Complications related to embolic protection devices */ Randall Lee*

Are there any indications in structural or congenital heart disease for embolic protection? */ Ulrich Schaefer*

Embolic protection – The TIA of interventional gimmicks

/ John Carroll

DISCUSSION



13.00 – 15.30
CONGRESS THEATRE / 2ND FLOOR

DEVICE PARADE: TRICUSPID REPAIR AND IMPLANTATION

MODERATORS / *Allison Cabalka / Azeem Latib*

PANELISTS / *Adam Greenbaum / Susheel Kodali*

Introduction by Materialise */ Peter Verschueren*

Experience with MitraClip */ Azeem Latib*

The new advances with the tricuspid valve – 4Tech TriCinch Coil System */ Jan Van der Heyden*

Trialign */ Azeem Latib*

Tricuspid valve repair with HeartStitch suture based instruments */ Anthony Nobles*

Traipta */ Adam Greenbaum*

PASTA */ Adam Greenbaum*

Percutaneous tricuspid valve implantation with RV consideration (Trisol) */ Giora Weisz*

Cardiac Implant Complete Ring */ Felix Kreidel*

TricValve */ Hans-Reiner Figulla*

Tricuspid valve in valve */ Allison Cabalka*

Tricuspid valve in native (Navigate) */ Susheel Kodali*



A new concept for the functional replacement of the tricuspid valve / *David Planer*

Update on all other new tricuspid valve repair and implantation techniques / *Simon Lam*

DISCUSSION



15.30 – 16.00

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK



16.00 – 18.30

MAIN LECTURE HALL

LIVE ONLY 1

MODERATORS / *Bharat Dalvi / Bernhard Reimers*

PANELISTS / *R Suresh Kumar / Zahid Amin*

LIVE CENTER COORDINATOR / *Simon Lam*

LIVE CASE TRANSMISSIONS FROM

Madras Medical Mission, Chennai, India

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

DISCUSSION



16.00 – 18.30

ROOM FANTASIE / 2ND FLOOR

HYPERTROPHIC CARDIOMYOPATHY AND LVOT OBSTRUCTION

MODERATORS / *Adam Greenbaum / Sameer Gafoor*

PANELISTS / *Matthew Daniels / Thomas Walther*

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center Frankfurt CVC, Germany

Imaging assessment / *Bushra Rana*

Update on disease pathogenesis and medical option

/ *Matthew Daniels*

Alcohol septal ablation: technique and results / *Sameer Gafoor*

Transcatheter mitral leaflet tearing to relieve LVOT obstruction

/ *Adam Greenbaum*

Mitra-clip to relieve LVOT obstruction / *Karl-Heinz Kuck*



THURSDAY

16.00 – 18.30

CSI

Surgical myectomy +/- mitral repair / *Thomas Walther*

New treatment option for HOCM – Percutaneous intramyocardial radiofrequency ablation (The Liwen procedure) / *Liwen Liu*

DISCUSSION



16.00 – 17.30

ROOM SPEKTRUM / 1ST FLOOR

TRANSSEPTAL PUNCTURE

MODERATORS / *Giora Weisz / Mamta Buch*

PANELISTS / *Andrew Cook / Peter Sick*

Deep dive into atrial septal anatomy – Specimens/Ultrasound/CT
/ *Andrew Cook / Bushra Rana*

Devices for transseptal puncture: from simple needles to
advanced devices / *Stefan Bertog*

Different techniques for transseptal puncture under fluoro
guidance: From Inoue's and Hungs landmarks to "watch for the
jump" / *Carsten Israel*

Transseptal puncture under fluoro guidance: case examples
/ *Habib Gamra*

Transseptal puncture under TEE guidance: always posterior
inferior for LAA closure? Always superior posterior for MitraClip?
And where for pravalvar leak closure? / *Mamta Buch*

Prevention and management of complications / *Peter Sick*

Recorded case step by step / *Habib Gamra*

DISCUSSION



17.30 – 18.30

ROOM SPEKTRUM / 1ST FLOOR

LEPU MEDICAL SYMPOSIUM

MODERATORS / *Mansour Al Mutairi / Shakeel Qureshi*

PANELIST / *Xiangbin Pan*

Challenging cases and off-label use of SHSMA Occluders during
charity missions / *Mansour Al Mutairi*

First implantation of Absorb occlude in China / *Xiangbin Pan*

New options for long-tunnel PFO closure / *Eustaquio Onorato*

DISCUSSION



16.00 – 17.25

CONGRESS THEATRE / 2ND FLOOR

CASES YOU HAVE NEVER SEEN BEFORE: CSI AFRICA @ CSI

MODERATORS / *Shakeel Qureshi / Maiy El Sayed*PANELISTS / *Christine Awour Yoko-Jowi / Suleiman Lubega / Endale Tefera*

Progress of congenital and structural interventions in Africa

/ Christine Awour Yoko-Jowi

Case presentation

- From Tunisia / *Habib Gamra*
- From Kenya / *Christine Awuor Yuko-Jowi*
- From Ethiopia / *Endale Tefera*
- From Uganda / *Suleiman Lubega*
- From Egypt / *Maiy El Sayed*

Challenging cases observed during missions in Central Africa

/ Mansour Al Mutairi

Palliative cardiac interventions in developing countries

/ Sherien Abdelsalam Mohamed

DISCUSSION



17.25 – 18.30

CONGRESS THEATRE / 2ND FLOOR

FROM FETUS TO ADULT – AORTIC STENOSIS

MODERATORS / *Gareth Morgan / Gurleen Sharland*PANELISTS / *John Thomson / Boulos Asfour*

Prenatal diagnosis of aortic stenosis & parental counselling

/ Gurleen Sharland

Interventions in 1 to 18 year-olds: balloon or surgery?

/ John Thomson

Challenges of endocardial fibro-elastosis resection / *Boulos Asfour*

Outcomes after hybrid approach / *Gareth Morgan*

Is Ross operation still a good option for children with aortic stenosis? / *Boulos Asfour*

Repair, if you can! / *Hans-Joachim Schaeffers*

DISCUSSION





FRIDAY, 29 JUNE

—
CSI



FRIDAY

07.00 – 08.00

CSI



07.00 – 08.00

EXHIBITION AREA / 1ST FLOOR

BREAKFAST



07.00 – 08.00

MAIN LECTURE HALL / 1ST FLOOR

MODERATED E-POSTER SESSIONS

Session 1: Coarctation and ducts

MODERATORS / *Simon Lam, Bharat Dalvi*

Session 2: Septal defects 1 (ASD)

MODERATORS / *Jae-Young Choi / Ziyad Hijazi*

Session 3: Septal defect 2 (ASD)

MODERATORS / *Teiji Akagi / Mazeni Alwi*

Session 4: Septal defects (VSD)

MODERATORS / *Iqbal Maliq / Worakan Promphan*

Session 5: Septal defects (PFO and other)

MODERATORS / *Zahid Amin / Joseph DeGiovanni*

Session 6: Valve disease 1

MODERATORS / *Marius Hornung / Kerstin Piayda*

Session 7: Valve disease 2

MODERATORS / *Stefan Toggweiler / Hidehiko Hara*

Session 8: Pulmonary circulation

MODERATORS / *Do Nguyen Tin / Jennifer Franke*

Session 9: Various topics 1

MODERATORS / *Sara Trucco / Eustaquio Onorato*

Session 10: Various topics 2

MODERATORS / *Allison Cabalka / Matthew Daniels*

DISCUSSION



08.00 – 09.30

MAIN LECTURE HALL / 1ST FLOOR

CONGRESS WELCOME WITH LIVE CASES

MODERATORS / *Shakeel Qureshi / Neil Wilson*PANELISTS / *Junbo Ge / Martin B. Leon / Christine Awour Yoko-Jowi*LIVE CENTER COORDINATOR / *Sameer Gafoor*

LIVE CASE TRANSMISSIONS FROM

*CardioVascular Center Frankfurt CVC, Germany**Rigshospitalet, Copenhagen, Denmark*Welcome / *Shakeel Qureshi*The development of structural and valvar interventions
in China / *Junbo Ge*

Structural and valvar interventions in Africa

/ *Christine Awour Yoko-Jowi*CSI Foundation around the world / *Shakeel Qureshi*

DISCUSSION



10.05 – 10.30

MAIN LECTURE HALL / 1ST FLOOR

INTERVIEW WITH MARTIN B. LEON

INTERVIEWERS / *Shakeel Qureshi / Neil Wilson / Eberhard Grube*



FRIDAY

10.30 – 12.45

CSI



10.30 – 11.00

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK



11.00 – 12.45

MAIN LECTURE HALL / 1ST FLOOR

LIVE ONLY 3

MODERATORS / *Antonio Colombo / Elchanan Bruckheimer*

PANELISTS / *Junbo Ge / Sameer Gafoor / Karl-Heinz Kuck*

LIVE CENTER COORDINATOR / *Simon Lam*

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center Frankfurt CVC, Germany

Rigshospitalet, Copenhagen, Denmark

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

DISCUSSION



11.00 – 12.45

ROOM FANTASIE / 2ND FLOOR

MECHANICAL SUPPORT FOR CONGENITAL, STRUCTURAL AND VALVAR HEART DISEASE

MODERATORS / *Gareth Morgan / Gregor Krings*

PANELISTS / *Allison Cabalka / Graham Derrick / Dietmar Schranz*

LIVE CASE TRANSMISSIONS FROM

Erasmus Medical Center, Rotterdam, The Netherlands

New percutaneous support devices / Allison Cabalka

■ *Percutaneous ECMO / Gareth Morgan*

■ *Utility and practicality of diagnostic caths on ECMO*

■ */ Graham Derrick*

■ *Interventions on ECMO / Henri Justino*

DISCUSSION



11.00 – 12.45

ROOM SPEKTRUM / 1ST FLOOR

HEART FAILURE INTERVENTIONS – PART 1

MODERATORS / *Martin B. Leon / Antony Hermuzi*PANELISTS / *Martin Bergmann / Franz Kleber / Nalan Schnelle*

Interatrial shunting for heart failure treatment

- How could interatrial shunting be beneficial in systolic and diastolic heart failure? / *Franz Kleber*
- Atrial Flow Regulator / *Nikolaus Haas*
- Corvia / *Martin B. Leon*
- Left atrial decompression on ECMO (adults and children) / *Antony Hermuzi*

Recorded case / *Martin Bergmann*Minimal invasive therapy of LV aneurysms with the Revivent technique / *Martin Swaans*

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center Frankfurt CVC, Germany

DISCUSSION



11.00 – 12.45

CONGRESS THEATRE / 2ND FLOOR

INTERVENTIONS FOR DUCT-DEPENDENT PULMONARY CIRCULATION

MODERATORS / *Neil Wilson / Worakan Promphan*PANELISTS / *Kothandam Sivakumar / Gurleen Sharland / Boulos Asfour*Fetal diagnosis helps in management / *Gurleen Sharland*Ductal anatomy determines approach and suitability for stenting / *Giuseppe Santoro*PDA stenting in the presence of branch PA stenosis / *Nageswara Rao Koneti*Types of stents to use in PDAs and technical tips / *Martin Schneider*Single or dual supply to PAs influence management / *Mazeni Alwi*BT shunt vs RVOT stent / *John Thomson*How does intervention affect surgical repair? / *Boulos Asfour*When to stent the duct rather than the RVOT / *Marc Gewillig*Complications during duct-dependent interventions / *Worakan Promphan*

DISCUSSION



FRIDAY

12.45 – 15.30

CSI



12.45 – 12.50

EXHIBITION AREA / 1ST FLOOR

PICK UP YOUR LUNCH BOXES



12.50 – 15.30

MAIN LECTURE HALL / 1ST FLOOR

LIVE ONLY 4

MODERATORS / *Shakeel Qureshi / Neil Wilson*

PANELISTS / *Gregor Krings / Mansour Al Mutairi*

LIVE CENTER COORDINATOR / *Allison Cabalka*

LIVE CASE TRANSMISSIONS FROM

Rigshospitalet, Copenhagen, Denmark

CardioVascular Center Frankfurt CVC, Germany

Veterans Hospital, Minneapolis, USA

DISCUSSION



12.50 – 15.30

ROOM FANTASIE / 2ND FLOOR

ASD CLOSURE

MODERATORS / *Gareth Morgan / Kothandam Sivakumar*

PANELISTS / *Matthew Gillespie / Nageswara Rao Koneti*

LIVE CASE TRANSMISSIONS FROM

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

ASD anatomical contraindications for device closure

/ Gianfranco Butera

Can we predict (and avoid) erosion? */ Zahid Amin*

Shall I use specific device for specific anatomy or always use the device I like most? */ Jens Erik Nielsen-Kudsk*

ASD and pulmonary hypertension: how to deal with borderline cases */ Kothandam Sivakumar*

Multifenestrated defects */ Teiji Akagi*

Device embolization: how to retrieve it */ John Thomson*

Occlutech fenestrated device */ Gareth Morgan*

GORE new device for ASD closure: Cardioform ASD occluder

/ Matthew Gillespie

Experience with the CeraFlex occluder */ Pavel Charnahlaz*



Prospective randomised comparison of three different types of nitinol septal occluder devices used for transcatheter closure of atrial septal defects / *Arvind Singh*

Transcatheter closure of sinus venous ASD – Institutional experience from 15 patients / *Rajesh Kumar*

DISCUSSION



12.50 – 14.00

ROOM SPEKTRUM / 1ST FLOOR

HEART FAILURE INTERVENTIONS – PART 2

MODERATORS / *Eberhard Grube / Daniel Burkhoff*

PANELISTS / *Mark Reisman / Jan Otto Solem / Christian Ukena / Dietmar Schranz*

AccuCinch for the treatment of Heart Failure / *Daniel Burkhoff*

The VenTouch System / *Jim Buck*

Aortic valve interventions in heart failure / *Eberhard Grube*

Update on neuromodulation / *Christian Ukena*

Insight into cardiac pumping / *Markus Carlsson*

Syntach – A novel concept for long term cardiac support / *Jan Otto Solem*

DISCUSSION



14.00 – 15.30

ROOM SPEKTRUM / 1ST FLOOR

MITRACLIP IN TRICUSPID

MODERATORS / *Paul Sorajja / Burkhard Mackensen*

PANELISTS / *Dee Dee Wang / Philipp Lurz / Georg Nickening*

Tricuspid regurgitation: whom to consider for Mitraclip of the tricuspid valve? / *Philipp Lurz*

Multimodality imaging for the tricuspid valve / *Dee Dee Wang*

Tricuspid Mitraclip implantation: step-by-step / *Georg Nickening*

Tricuspid Mitraclip: case example 1 / *Azeem Latib*

Tricuspid Mitraclip: case example 2 / *Paul Sorajja*

Tricuspid Mitraclip implantation: how to measure success and what results to expect ... / *Francesco Maisano*

MitraClip for tricuspid regurgitation: what data do we have? / *Joerg Hausleiter*

DISCUSSION



FRIDAY

12.50 – 18.30

CSI



12.50 – 15.30

CONGRESS THEATRE / 2ND FLOOR

DEVICE PARADE: UPDATE ON ESTABLISHED AND UPCOMING LAA CLOSURE DEVICES

MODERATORS / *Randall Lee / Patrick Calvert*

PANELISTS / *Ignacio Cruz-Gonzalez / Jai-Wun Park / Andreas Metzner*

Introduction by Materialise / *Peter Verschueren*

Amulet: update on new trials / *Simon Lam*

Update on Watchman trials / *Claudio Tondo*

Lambre: design, trial results and ongoing trials / *Ignacio Cruz-Gonzalez*

Tips and tricks of LAMBRE implantation / *Jai-Wun Park*

Epicardial approaches to closure: implications for AF and stroke
/ *Randall Lee*

Initial experience with the new Lariat RS / *Andreas Metzner*

ECLIPSE surgical device for LAA exclusion / *Mark LaMeir*

AEGIS: update on clinical trials / *Krzysztof Bartus*

SealLA LAA Occluder FIM Clinical Results / *Horst Sievert*

Atriclip: the device with the largest experience worldwide
/ *Steven Hunter*

Occlutech LAA animal trial and update on device changes
/ *Patrick Calvert*

DISCUSSION



15.30 – 16.00

EXHIBITION AREA / 1ST FLOOR

TEA AND COFFEE BREAK



16.00 – 18.30

MAIN LECTURE HALL

LIVE ONLY 5

MODERATORS / *Eberhard Grube / Antonio Colombo*

PANELISTS / *Zahid Amin / Simon Lam*

LIVE CENTER COORDINATOR / *John Thomson*

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center Frankfurt CVC, Germany

Veterans Hospital, Minneapolis, USA

University of Rostock, Rostock, Germany

DISCUSSION



16.00 – 18.30

ROOM FANTASIE / 2ND FLOOR

STENTING OF THE RVOT IN TETRALOGY OF FALLOT AND RELATED PATHOLOGY

MODERATORS / *Dietmar Schranz / James Bentham*PANELISTS / *Worakan Promphan / Oliver Stumper / Boulos Asfour*Anatomical substrate of RVOT obstruction / *Dietmar Schranz*Equipment for RVOT stenting / *James Bentham*

LIVE CASE TRANSMISSIONS FROM

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

3 WAY DEBATE:

- Stenting RVOT makes my job more difficult! / *Boulos Asfour*
- No, no! We can spare the valve / *Joseph DeGiovanni*
- I don't care, I stent across the valve / *Gianfranco Butera*

Case of coronary graft aneurysm embolization to relieve extrinsic RVOT obstruction / *Matthew Daniels*

DISCUSSION



16.00 – 18.30

ROOM SPEKTRUM / 1ST FLOOR

AORTIC COARCTATION

MODERATORS / *Allison Cabalka / Martin Schneider*PANELISTS / *Massimo Chessa / David Lloyd / Mark Gewillig*

Anatomy of aortic coarctation – Correlation with CT/MRI

*/ Tarique Hussain and Annalisa Angelini*Fetal cardiac MRI in coarctation cases / *David Lloyd*Treating complex aortic coarctation or atresia / *Marc Gewillig*Hybrid as an alternative method of stenting / *Massimo Chessa*

Complications of balloon or stents and how to manage them

*/ Peter Zartner*Middle aortic syndrome / *Allison Cabalka*

What do I expect from a balloon expandable covered stent for the treatment of aortic coarctation / *Gregor Krings*

Stents in growing patients / *Martin Schneider*

The use of the BeGraft aortic stent for the treatment of aortic coarctation / *Elchanan Bruckheimer*

Use of NuDEL system in aortic coarctation / *Gareth Morgan*

DISCUSSION



FRIDAY

16.00 – 18.30

CSI



16.00 – 17.25

CONGRESS THEATRE / 2ND FLOOR

CSI ROAD TO THE TOP

MODERATORS / *Shakeel Qureshi / Martin B. Leon / Neil Wilson*

Where to obtain the best experience / *Gareth Morgan*

How and why to get involved in clinical trials / *Gianfranco Butera*

How to get your research published / *Martin B. Leon*

How to give a lecture at congresses / *Shakeel Qureshi*

How to become faculty at international congresses

/ *Sameer Gafoor*

How to moderate a session in a conference? / *Neil Wilson*

How to become involved in scientific society activities and

guideline committees / *Ziad Hijazi*

How to build social media presence / *Pascal Meier*

Why bother with networking / *Ziyad Hijazi*

Why and how to talk to industry – do's and don'ts / *Sameer Gafoor*

PANEL DISCUSSION

What is the top?

PANELISTS / *Shakeel Qureshi / Martin B. Leon / Neil Wilson / Ted Feldman*

/ *Iqbal Malik / Do Nguyen Tin / Dee Dee Wang / Karen McCarthy*

DISCUSSION



17.25 – 18.30

CONGRESS THEATRE / 2ND FLOOR

HOW TO START AND MAINTAIN A LAA PROGRAM

MODERATORS / *Shakeel Qureshi / Vaikom Mahadevan*

PANELISTS / *Claudio Tondo / Carsten Israel / Marek Grygier / Pascal Meier*

/ *Sergio Berti / Jens Erik Nielsen-Kudsk / Jai-Wun Park*

What to consider before you start: the 5 most important points in 5 minutes / *Jai-Wun Park*

PANEL DISCUSSION

How I found my first 5 patients – And the next 50?

PANEL DISCUSSION

My first serious problem – And how I could solve (or not solve) it



How to build a LAA closure program

- What to tell a gastroenterologist / *Vaikom Mahadevan*
- What to tell a neurologist / *Per Wester*
- What to tell a nephrologist / *Apostolos Tzikas*
- Social media: what you could do, what you should do and what you should not do / *Pascal Meier*

DISCUSSION

19.30 – 23.00

SOCIAL DINNER AT ALEX FRANKFURT SKYLINE PLAZA

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

**WE WANT TO HEAR
YOUR OPINION !**

Please complete our survey:
www.csi-congress.org/evaluation







SATURDAY, 30 JUNE

—
CSI



SATURDAY

07.00 – 09.30

CSI



07.00 – 08.00

EXHIBITION AREA / 1ST AND 2ND FLOOR

BREAKFAST



07.00 – 08.00

CONGRESS THEATRE / 2ND FLOOR

NEIL WILSON'S CHALLENGING CASES

MODERATOR / *Neil Wilson*

Device retrieval in bench testing / *Jae Young Choi*

Percutaneous retrieval of a broken IVC filter / *Hidehiko Hara*

A case of left ventricular outflow tract obstruction after transcatheter aortic valve implantation(TAVI) / *Hiroyuki Kuwahara*

Percutaneous closure of acute post-infarct left and right ventricular rupture with communicating pseudoaneurysm and left-to-right shunt / *David Northridge*

Intracardiac flight of an embolized LPA stent from IVC to PA due to severe TR and PR / *Kothandam Sivakumar*

DISCUSSION



08.00 – 09.30

MAIL LECTURE HALL / 1ST FLOOR

LIVE ONLY 6

MODERATORS / *Shakeel Qureshi / Karl-Heinz Kuck*

PANELISTS / *Allison Cabalka / Burkhard Mackensen*

LIVE CENTER COORDINATOR / *Gareth Morgan*

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center Frenkfurt CVC, Germany

Kerckhoff Klinik, Bad Nauheim, Germany

DISCUSSION



08.00 – 09.30

ROOM ILLUSION / 2ND FLOOR

ADVANTAGES AND LIMITATIONS OF DIFFERENT STENTS FOR CONGENITAL AND STRUCTURAL INTERVENTIONS

MODERATORS / *Gregor Krings / Daniel S. Levi*PANELISTS / *Oliver Stumper / Henri Justino*

Balloon-expandable stents: closed cell, open cell/hybrid cell
/ *Andreas Eicken*

The Growth stent / *Peter Zartner*

Formula, Valeo stents / *Oliver Stumper*

Self-expandable stents / *Damien Kenny*

Covered stents (CP, Advanta, Be Graft ...) / *Gregor Krings*

Coronary stents / bioabsorbable stents / *Daniel S. Levi*

Creation of intentional stent fractures to deal with the problem of undersized stents in pediatric patients / *Henri Justino*

Thoracic endografts / *Ralph Wickenhoefer*

DISCUSSION



09.30 – 10.00

EXHIBITION AREA / 1ST AND 2ND FLOOR

TEA AND COFFEE BREAK



10.00 – 12.35

ROOM ILLUSION / 2ND FLOOR

INTERVENTIONS IN PULMONARY HYPERTENSION

MODERATORS / *Vaikom Mahadevan / Nikolaus Haas*PANELISTS / *Boris Rudenko / Dietmar Schranz*

Case based dilemmas: to close or not to close?

- ASD / *Supaporn Roymanee*
- VSD / *Do Nguyen Tin*
- PDA / *Jae Young Choi*

Atrial decompression / *Nathaniel Taggart*



SATURDAY

10.00 – 12.35

CSI

Use of atrial flow regulator (AFR) in pulmonary hypertension

/ Nikolaus Haas

AFR case examples */ Teoman Kilic*

VSD creation */ Henri Justino*

Reverse Potts */ Jesse Esch*

How to move forward with pulmonary denervation */ Boris Rudenko*

Catheter interventions in Scimitar syndrome – Acute results and long-term outcome */ R. Suresh Kumar*

DISCUSSION



10.00 – 12.35

MAIN LECTURE HALL / 1ST FLOOR

VSD CLOSURE

MODERATORS */ Shakeel Qureshi / Worakan Promphan*

PANELISTS */ Tina Tobing / Andreas Eicken*

LIVE CASE TRANSMISSIONS FROM

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

Anatomy: suitability for device closure */ Karen McCarthy*

Perimembranous VSDs: technique and device to use

/ Worakan Promphan

Post-infarction VSDs */ Ingo Daehnert*

Which VSDs need surgery: anatomy / defect size / patient age?

/ Andreas Eicken

Echocardiographic guidance of VSD closure */ Xiangbin Pan*

NitOcclud Le VSD – 5 year follow up report of multi-center study

/ Reiner Kozlik-Feldmann

The new Konar-MF occluder – Experience in VSDs

/ Nageswara Rao Koneti

Early and long-term complications and how to deal with them

/ Ender Odemis

Transcatheter closure of challenging VSDs */ Tina Tobing*

Hybrid approach */ Damien Kenny*

Progress on the pmVSD closure */ Damien Kenny*

DISCUSSION



12.35 – 12.45

EXHIBITION AREA / 1ST AND 2ND FLOOR

PICK UP YOUR LUNCH BOXES



12.45 – 14.50

MAIN LECTURE HALL / 1ST FLOOR

PDA CLOSURE IN CHILDREN AND ADULTS

MODERATORS / *Gareth Morgan / Bharat Dalvi*PANELISTS / *Suliman Lubega / John P. Breinholt III*

LIVE CASE TRANSMISSIONS FROM

*Our Lady's Children's Hospital, Crumlin, Ireland*Matching device to PDA morphology and size / *Ingo Daehnert*Antegrade vs retrograde approach / *Kevin Walsh*PDA and pulmonary hypertension: how to treat / *Bharat Dalvi*PDA closure in preterms / *John P. Breinholt III*PDA closure complications / *Martin Schneider*When a PDA is too small to deserve closure / *Maarten Witsenburg*

Closure of really large ducts – Experience from high altitude

/ *Suliman Lubega*

DISCUSSION



12.45 – 14.50

ROOM ILLUSION / 2ND FLOOR

CASPIAN @ CSI FRANKFURT 2018 – POTPOURRI OF INTERVENTIONS

MODERATORS / *Behzad Alizadeh / Oliver Stumper*PANELISTS / *Keyhan Sayadpour / Ata Firouzi*

Future interventions may be needed after CHD surgery:

a message to the surgeons! / *Abdolrahim Ghasemi*Stenting of RVOT in tetralogy of Fallot / *Oliver Stumper*

Tetralogy of Fallot in small infants with small pulmonary arteries;

Shunts versus RVOT stent! / *Behzad Alizadeh*



SATURDAY

14.50 – 16.00

CSI

Stenting in complete obstruction of veins and arteries

/ Hojjat Mortazaeian

How to stent unusual ducts in duct-dependent pulmonary circulation */ Keyhan Sayadpour*

Percutaneous transvenous mitral commissurotomy

/ Mahmoud Shabestary

Self-expandable stent implantation for severe native coarctation of aorta in adults: tips, tricks and complications

/ Ali Mohammad Haji Zeynali

Approach to functionally interrupted aortic arch in adults

/ Ata Firouzi

DISCUSSION



14.50 – 16.00

MAIL LECTURE HALL / 1ST FLOOR

LIVE ONLY 7

MODERATOR */ Matthew Daniels / Mazeni Alwi*

PANELISTS */ John Thomson / Kothandam Sivakumar*

LIVE CENTER COORDINATOR */ Allison Cabalka*

LIVE CASE TRANSMISSIONS FROM

CardioVascular Center Frankfurt CVC, Germany

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

DISCUSSION



14.50 – 16.00

ROOM ILLUSION / 2ND FLOOR

INTERVENTIONS FOR DUCT-DEPENDENT SYSTEMIC CIRCULATION

MODERATORS */ Gareth Morgan / James Bentham*

PANELISTS */ Dietmar Schranz / Alain Fraisse / Martin Schneider*

DEBATE

– Hybrid is the way to go */ Dietmar Schranz*

– Hybrid is dying on its feet */ Alain Fraisse*

Plenty to do after surgery

– BT Shunt & Sano interventions */ Gareth Morgan*

– Arch interventions */ Martin Schneider*

– Pulmonary artery interventions */ James Bentham*

DISCUSSION



16.00 – 16.30

EXHIBITION AREA / 1ST AND 2ND FLOOR

TEA AND COFFEE BREAK



16.30 – 18.00

MAIL LECTURE HALL / 1ST FLOOR

LIVE ONLY 8

MODERATORS / *Shakeel Qureshi / Karl-Heinz Kuck*PANELISTS / *Vaikom Mahadevan / Gareth Morgan / Sameer Gafoor / Stefan Bertog*LIVE CENTER COORDINATOR / *Allison Cabalka*

LIVE CASE TRANSMISSIONS FROM

*Cedars-Sinai Medical Center, Los Angeles, USA**CardioVascular Center Frankfurt CVC, Germany*

DISCUSSION

**WE WANT TO HEAR
YOUR OPINION !**

Please complete our survey:
www.csi-congress.org/evaluation







SATURDAY, 30 JUNE



TAVI

**IN COLLABORATION
WITH CSI CHINA VALVE**



SATURDAY

07.00 – 12.35

TAVI



07.00 – 08.00

EXHIBITION AREA / 1ST AND 2ND FLOOR

BREAKFAST



08.00 – 09.30

ROOM FANTASIE / 2ND FLOOR

CLINICAL CHALLENGES

MODERATORS / *Nicolas Van Mieghem / Francesco Maisano*

PANELISTS / *Danny Dvir / Vaikom Mahadevan / Nalan Schnelle / Junbo Ge*

LIVE CASE TRANSMISSIONS FROM

Glenfield Hospital, Leicester, UK

Valve medical / *Martin B. Leon*

Low gradient low-flow aortic stenosis with reduced left ventricular systolic function, when is it indicated and safe to perform TAVI? / *Nicolas Van Mieghem*

Pure aortic regurgitation: where do we stand with TAVI in 2018? / *Francesco Maisano*

Any role for TAVI in patients with severely reduced left ventricular systolic function and moderate aortic valve stenosis? / *Nicolas Van Mieghem*

TAVI for very severe asymptomatic aortic stenosis? / *Timothy Biring*

Valve-in-valve: tips and tricks / *Danny Dvir*

TAVI durability: lessons learned / *Michael Mullen*

DISCUSSION



09.30 – 10.00

EXHIBITION AREA / 1ST AND 2ND FLOOR

TEA AND COFFEE BREAK



10.00 – 12.35

ROOM FANTASIE / 2ND FLOOR

HOT SPOTS IN TAVI

MODERATORS / *Stefan Bertog / Robert F. Wilson*

PANELISTS / *Guannan Niu / Mano Thubrikar / Hans-Reiner Figulla*

LIVE CASE TRANSMISSIONS FROM

Kerckhoff-Klinik, Bad Nauheim, Germany



New technologies and new valves

- Leaflex (Pi-Cardia): a new way to treat calcified valves? Pre-treatment before TAVI, bridging to TAVI, alternative to TAVI? / *David Hildick-Smith*
- VenusA-Valve design and 4 years result from China clinical trial / *Guannan Niu*
- Future dry tissue transcatheter valves / *Frank Zeng*
- Optimum / *Mano Thubrikar*
- Microport / *Junbo Ge*
- HLT Valve / *Robert F. Wilson*
- The new Lotus valve / *Eberhard Grube*
- JenaValve for aortic regurgitation / *Hans-Reiner Figulla*

Minimalist Approach to TAVI AND CONTROVERSIAL

TOPIC: TAVI vs. SAVR in low risk patients

- Minimalist approach: definition, pros and cons / *Eberhard Grube*
- Economy plus: minimalist approach with comfort features / *Stefan Bertog*

DEBATE

Low risk patient: TAVI vs SAVR?

- TAVI for low risk patients is reasonable / *Anonio Colombo*
- TAVI for low risk patients: here is what I am afraid of / *Stefan Bertog*

DISCUSSION



12.35 – 12.45

EXHIBITION AREA / 1ST AND 2ND FLOOR

PICK UP YOUR LUNCH BOXES



12.45 – 13.45

ROOM FANTASIE / 2ND FLOOR

COMPLICATIONS 1

(MANAGEMENT AND PREVENTION): CARDIAC ARREST AND STROKE

MODERATORS / *Karl-Heinz Kück / Giora Weisz*

PANELISTS / *Matthew Soule / Marek Grygier / Azeem Latib*

Cardiac arrest, we need to go on pump now: tips and tricks

/ *Matthew Soule*



SATURDAY

13.45 – 16.30

TAVI

Updates on embolic protection devices

- Claret / *Stephan Haussig*
- Full body protection during TAVI (Filterlex) / *Giora Weisz*
- The ProtEmbo cerebral protection system / *Victor A. Jimenez Diaz*
- The Emblok device / *Azeem Latib*

DISCUSSION



13.45 – 16.00

ROOM FANTASIE / 2ND FLOOR

COMPLICATIONS 2 (MANAGEMENT AND PREVENTION): VASCULAR ACCESS, PARAVALVAR REGURGITATION, VALVE THROMBUS AND VALVE EMBOLIZATION

MODERATORS / *Vaikom Mahadevan / Michael Mullen*

PANELISTS / *Burkhard Mackensen, Tobias Zeus*

LIVE CASE TRANSMISSIONS FROM

Cedars-Sinai Medical Center, Los Angeles, USA

Vascular management: from nuisances to catastrophies

/ *Stefan Bertog*

PerQSeal closure device for large bore arterial access

/ *Michael Laule*

Manta device / *Rodney de Palma*

Direct Flow will be back & more / *Yuval Binur*

The iliac/femoral vessels just aren't big enough

- Trans-brachial and trans-axillary / *Antonio Colombo*
- Trans-carotid / *Vijay Iyer*
- Aorta via IVC / *Adam Greenbaum*
- A new technique of suture mediated transapical access and closure / *Anthony Nobles*

DISCUSSION



16.00 – 16.30

EXHIBITION AREA / 1ST AND 2ND FLOOR

TEA AND COFFEE BREAK



16.30 – 18.00

ROOM FANTASIE / 2ND FLOOR

TAVI FOR BICUSPID AORTIC VALVES

MODERATORS / *Hasan Jilaihawi / Jian'an Wang*PANELISTS / *Danny Dvir / Mao Chen / Eberhard Grube*CT analysis of bicuspid valves: tips and tricks / *Hasan Jilaihawi*

Outcomes with different devices in bicuspid aortic valve

- Self expanding / *Jian'an Wang*
- Balloon expandable / *Danny Dvir*
- Mechanical expanding / *Eberhard Grube*
- Sizing strategy – Hangzhou experience / *Jian'an Wang*
- New strategies of treating bicuspid aortic valves / *Mao Chen*
- A challenging case treated with VenusA-Valve / *Xu Wang*

DISCUSSION

**WE WANT TO HEAR
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SATURDAY, 30 JUNE



MV



SATURDAY

07.00 – 12.35

MV



07.00 – 08.00

EXHIBITION AREA / 1ST AND 2ND FLOOR

BREAKFAST



08.00 – 09.30

ROOM SPEKTRUM / 1ST FLOOR

MITRAL VALVE REPAIR: LEAFLET REPAIR

MODERATORS / Sameer Gafoor / Ted Feldman

PANELISTS / Neil Moat / Eberhard Grube

MitraClip: latest clinical trial data / Sameer Gafoor

Surgical chord implantation / Tbd

Neochord / Martin B. Leon

Beating Heart Chordal implantation as a treatment option in high risk patients / Neil Moat

Harpoon / Neil Moat

Suture based mitral valve repair – HeartStitch / Anthony Nobles

Suture based mitral valve repair – MitralStitch FIM / Xiangbin Pan

Update on all other new leaflet and chordae techniques / Eberhard Grube

DISCUSSION



09.30 – 10.00

EXHIBITION AREA / 1ST AND 2ND FLOOR

TEA AND COFFEE BREAK



10.00 – 12.35

ROOM SPEKTRUM / 1ST FLOOR

MITRAL VALVE REPAIR: FUNCTIONAL REGURGITATION

MODERATORS / Mark Reisman / Nalan Schnelle

PANELISTS / Stephan von Bardeleben / Christian Butter

LIVE CASE TRANSMISSIONS FROM / RECORDED CASE

Cedars-Sinai Medical Center, Los Angeles



Determining patient selection criteria and treatment options
for FMR / *Mark Reisman*

Polares Medical / *Ulrich Schaefer*

Millipede / *Eberhard Grube*

AccuCinch current clinical experience / *Christian Butter*

MVRx / *David Hildick-Smith*

VenTouch System / *Jim Buck*

Hybrid procedures on both leaflets and ring for treating FMR
/ *Stephan von Bardeleben*

Update on all other new FMR repair technologies / *Eberhard Grube*

DISCUSSION



12.35 – 12.45

EXHIBITION AREA / 1ST AND 2ND FLOOR

PICK UP YOUR LUNCH BOXES



12.45 – 14.50

ROOM SPEKTRUM / 1ST FLOOR

MITRAL VALVE: IMPLANTATION

MODERATORS / *Ted Feldman / Saurabh Sanon*

PANELISTS / *Gry Dahle / Hendrick Treede*

The difficulties of mitral valve implantation from a cardiologist's
perspective / *Ted Feldman*

The difficulties of transcatheter mitral valve implantation from
a surgeon's perspective / *Gry Dahle*

Latest on Mitral valve-in-ring / *Antonio Colombo*

Latest on Mitral valve-in-valve / *Saurabh Sanon*

Latest on valve-in MAC / *Saurabh Sanon*

Tiara / *Shmuel Banai*

Intrepid / *Hendrick Treede*

Tendyne / *Neil Moat*

Cephea / *Ted Feldman*

Update on all other new mitral valves / *Ted Feldman*

DISCUSSION



SATURDAY

14.50 – 16.00

MV



14.50 – 16.00

ROOM SPEKTRUM / 1ST FLOOR

MITRAL VALVE: APPROACH TO THREE CASE EXAMPLES

MODERATORS / *Ted Feldman / Francesco Maisano*

PANELISTS / *Azeem Latib / Neil Moat / Hendrik Treede / Mamta Buch / Karl-Heinz Kuck*

PANEL DISCUSSION OF CASES

Case 1: MV repair / *Mamta Buch*

- Case presentation: clinical presentation, imaging description
- Panel case discussion
- Case conclusion: description of procedure and device used, outcome

Case 2: Mitral valve implantation / *Alison Duncan*

- Case presentation: clinical presentation, imaging description
- Panel case discussion
- Case conclusion: description of procedure and device used, outcome

Case 3: Mitral valve annuloplasty / *Stefan Bertog*

- Case presentation: clinical presentation, imaging description
- Panel case discussion
- Case conclusion: description of procedure and device used, outcome

DISCUSSION

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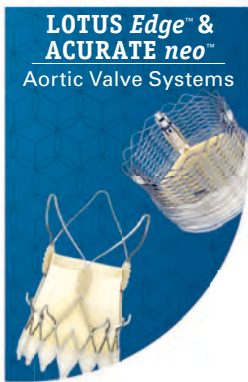


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John Carroll
University of Cambridge
1234



SCIENTIFIC ABSTRACTS

—
CSI



CSI 2018 ABSTRACTS AND CASES

On the following pages you will find a summary of the abstracts and cases that were accepted for CSI 2018.

The moderated e-poster presentation will take place on Friday, June 29, 2018 from 7.00–8.00 on the 1st floor, back of main lecture hall Harmony.



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

[A] COARCTATION AND DUCTS

- A1 X-ray endovascular treatment of right coronary and right ventricular atrial fistula / *Dmitriy Korzh*
- A2 Covered stenting in coarctation of aorta with PDA / *Abdus Salam*
- A3 Dropping hemoglobin post stenting of interrupted arch in an adult patient / *Sherien Abdelsalam Mohamed / Soud Elsoughier / Hassan Elminesi*
- A4 Simultaneous balloon aortic valvuloplasty with transcatheter closure of large hypertensive patent ductus arteriosus in a young child / *Girish Sabnis / Charan Lanjewar / Prafulla Kerkar*
- A5 The percutaneous treatment of native aortic coarctation in newborn and infants younger than 5 months – Own experience / *Jacek Kusa / Pawel Czesniewicz / Agnieszka Skierska / Malgorzata Ras*
- A6 Trans endovascular repair of aneurysm of formation of aorta / *Sedigheh Saedi / Majid Maleki / Jamal Mousavi / Maryam Aliramezany*
- A7 Transcatheter closure of large aortopulmonary window in a neonate with heart failure / *Girish Sabnis / Charan Lanjewar / Prafulla Kerkar*
- A8 An unusual etiology of the middle aortic syndrome / *Renata Mattos / Luiz Carlos Simoes / Victor Hugo Oliveira / Rafael Agostinho / Adriana Innocenzi / Gabriela Mesquita*



- A9 Two snare technique for retrieval of an embolized Amplatzer Vascular Plug II device / *Rizwan Rehman*
/ *Mazeni Alwi*
- A10 Microcatheter assisted stenting of the tortuous vertical PDA via femoral approach in infants with duct-dependent pulmonary circulation / *Anja Lehner* / *Silvia Fernandez Rodriguez*
/ *Robert Dalla-Pozza* / *Marcus Fischer* / *Sarah Ulrich* / *Jakob Andre*
/ *Nikolaus Haas*
- A11 Safety and efficacy of aortic arch stenting in coarctation of the aorta / *Michiel Voskuil* / *Anouk Franken* / *Evangeline Warmerdam*
/ *Gert-Jan Sieswerda* / *Folkert Meijboom* / *Pieter Doevendans*
/ *Mirella Molenschot* / *Gregor Krings*
- A12 Initial experience of drug eluting stents in paediatric interventions / *Kothandam Sivakumar* / *Arvind Singh*
- A13 Clinical outcomes after transcatheter closure of patent ductus arteriosus in infants weighing 3 kg or less: a single centre experience / *Kothandam Sivakumar* / *Arvind Singh*
- A14 Is transcatheter closure of PDA in extremely low weight premature babies (< 1000g) feasible and as safe as in other babies from 1000 to 3000 g? / *William Regan* / *Giovanni Di Salvo*
/ *TC Aw* / *D Sirico* / *Carles Bautista* / *Alain Fraisse*
- A15 Transcatheter closure of hemodynamically significant patent ductus arteriosus in very low birth weight premature babies with massive pulmonary hemorrhage / *Jieh-Neng Wang*
/ *Yung-Chieh Lin* / *Min-Ling Hsieh* / *Jing-Ming Wu*
- A16 Safety and efficacy of endovascular treatment of middle aortic syndrome with self-expanding stent – A single centre experience / *Girish Sabnis* / *Charan Lanjewar* / *Prafulla Kerkar*
- A17 Occlusion of a coronary arteriovenous fistula through the antegrade approach using an Amplatzer Vascular Plug 4 / *Pablo Tome*

[B] PULMONARY CIRCULATION

- B1 Transcatheter balloon angioplasty of stenotic bioprosthetic valve implanted in the pulmonary position – Preliminary experience / *Malgorzata Szkutnik* / *Agata Michalczyk* / *Agata Grochowina* / *Michal Galezka* / *Roland Fiszer* / *Jacek Bialkowski*



CSI 2018 ABSTRACTS AND CASES

- B2 Balloon pulmonary valvotomy of severe valvar pulmonary stenosis in patient with severe cyanosis and low ventricle ejection fractions: a case report / *Sisca Natalia Siagian / Radityo Prakoso / Oktavia Lilyasari*
- B3 Effectiveness evaluation of coil embolization for aortopulmonary collaterals of fontan candidates by phase-contrast MRI flow analysis / *Hiroataka Oki*
- B4 Cardiac magnetic resonance profile of post TOF repair patients in single center experience / *Sisca Natalia Siagian / Oktavia Lilyasari / Radityo Prakoso / Yovi Kurniawati / Olfi Lelya / Indriwanto Sakidjan / Poppy S Roebiono / Anna U Rahajoe / Ganesja M Harimurti*
- B5 Reverse scimitar syndrome in left isomerism – Transcatheter closure of systemic arterial supply to right lung / *Bhushan Kashinath Chavan / R Suresh Kumar*
- B6 Computational fluid dynamics based on three-dimensional rotational angiography in patients with a partial cavopulmonary connection / *Savine Minderhoud / Frank Gijsen / Gregor Krings*
- B7 Transthoracic access for pulmonary artery stenting / *Thomas Krasemann / Ingrid van Beynum / Pieter van de Woestijne / Ad J.J.C. Bogers*
- B8 Successful balloon pulmonary angioplasty of chronic thromboembolic pulmonary hypertension in case of young woman who desire pregnancy / *Hiroki Takenaka / Hidehiko Hara / Nobutaka Ikeda / Go Hashimoto / Kenji Makino*
- B9 Rehabilitation of congenitally disconnected or non confluent pulmonary arteries – Role of diagnostic and interventional cardiac catheterisation / *Chetan Mehta / Sarvanan Durairaj / John Stickely / David Barron / Oliver Stumper*
- B10 Morphological and hemodynamic impact on bilateral pulmonary artery banding sites following incremental percutaneous transluminal balloon dilation / *Kazuto Fujimoto / Masataka Kitano / Akira Miyake / Isao Shiraishi / Kenichi Kurosaki / Masatoshi Shimada / Takaya Hoashi / Hajime Ichikawa*
- B11 Retrograde pulmonary valve perforation in a neonate with pulmonary atresia, ventricular septal defect and major aortopulmonary collaterals / *Hans Breur / Gregor Krings / Molenschot Mirella*



- B12 Life saving stenting of obstructed mixed type of supracardiac and infra cardiac total anomalous venous return after surgical correction in an infant / *Hamid Amoozgar / Mohammad Reza Edraki / Bahram GhaseMZadeh*
- B13 Atrial septostomy with a predefined diameter using a novel Occlutech atrial flow regulator improves symptoms and cardiac index in patients with severe pulmonary artery hypertension / *Rajesh Kumar / Kothandam Sivakumar*
- B14 Oval stenting in brach pulmonary artery stenosis: a novel technique to prevent airway compression in complex congenital heart disease / *Hans Breur / Gregor Krings / Molenschot Mirella / Stelt van der Femke*

[C] SEPTAL DEFECTS

- C1 Successful transcatheter closure of atrial septal defect with platypnea-orthodeoxia syndrome owing to multifactorial causes including combined thoracic deformities in a young woman / *Shigefumi Fukui / Ryotaro Asano / Tatsuya Nishii / Nao Konagai / Jin Ueda / Akihiro Tsuji / Kazuto Fujimoto / Takuya Hasegawa / Masataka Kitano / Takeshi Ogo / Satoshi Yasuda*
- C2 Safety and efficiency in transcatheter closure of atrial septal defect using Cocoon septal occluder / *Roland Fiszer / Michal Galeczka / Malgorzata Szkutnik / Sebastian Smerdzinski / Jacek Bialkowski*
- C3 Traversing the sinus: ASD closure through persistent LSVC to coronary sinus in an adult with interrupted IVC / *Sherien Abdelsalam Mohamed / Hassan Elminesi*
- C4 Transcatheter closure of atrial septal defect with suspected double-layer septum / *Natsuko Ishii / Shunsuke Sasaki / Satoshi Yuda / Kentaro Hayashi / Yoshio Kazuno / Kando Kawahatsu / Yasuhiro Omoto / Mitsugu Hirokami*
- C5 Successful percutaneous closure of ASD with incomplete cor triatriatum dexter using Figulla Flex II / *Go Hashimoto / Hidehiko Hara / Makoto Suzuki / Hiromasa Hayama / Kenji Makino / Masato Nakamura*
- C6 Secondary right heart failure due to hemodynamic relevant iASD after traseptal access / *Dagmar Soetemann / Johanna Jansen / Shazia Afzal / Florian Boenner / Tobias Zeus / Patrick Horn / Ralf Westenfeld / Malte Kelm / Verena Veulemans*



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ABSTRACTS AND CASES

- C7 Go for the jugular: trans jugular ASD closure, pulmonary valvuloplasty in a 2.5 years old girl with interrupted IVC
/ Sherien Abdelsalam Mohamed / Hassan Elminesi
- C8 Successful transcatheter closure of residual atrial septal defect after surgical closure – First report for sinus venosus type with eustachian valve
/ Masao Imai / Toshiaki Toyota / Naritatsu Saito / Takeshi Kimura
- C9 Atrial septal defect with pulmonary valve stenosis, which caused by organic abnormalities or high flow shunt
/ Tsutomu Murakami / Gaku Nakazawa / Hitomi Horinouchi / Katsuaki Sakai / Yohei Ohno / Yuji Ikari
- C10 Frame-wire integrity of patch-like Gore devices following atrial septal defect closure
/ Rouven Kubicki / Karin Fingerhut / Markus Uhl / Rene Hoehn / Brigitte Stiller / Jochen Grohmann
- C11 Efficacy of percutaneous trans-catheter closure of large ASD – Results from a single center study
/ Sedigheh Saedi / Zahra Khajali / Majid Maleki / Maryam Aliramezany
- C12 Modified transjugular approach for transcatheter closure of atrial septal defect
/ Girish Sabnis / Charan Lanjewar / Prafulla Kerkar
- C13 The assessment of the left ventricular diastolic function in patient after atrial septal defect closure
/ Kenji Makino / Makoto Suzuki / Go Hashimoto / Hiromasa Hayama / Takenori Otsuka / Tsuyoshi Ono / Raisuke Iijima / Hidehiko Hara / Masato Nakamura
- C14 Atrial septal defect closure in pediatric less than 10 kg
/ Mehdi Ghaderian
- C15 Long term effects in combined percutaneous atrial septal defect closure and balloon pulmonary valvuloplasty in children
/ Jacek Bialkowski / Malgorzata Szkutnik / Roland Fiszer / Sebastian Smerdzinski / Michal Galeczka
- C16 Effect of device size on the change in ventricular functions post trans-catheter atrial septal defect device closure: a two dimensional strain, tissue doppler study
/ Areej Ahmad Abdullah Tammam / Alaa Mahmoud Roushdy / Ayman K.M. Hassan / Hosam Hasan-Ali / Yehia Taha Kishk
- C17 Transcatheter closure of large atrial septal defects (ASDs) in symptomatic children with device/weight ratio > 1.5
/ Ali Houeijeh / Sebastien Hascoet / Helene Bouvaist / Khaled Hadeed / Jerome Petit / Francois Godart / Alain Fraisse



- C18 Application of three-dimensional printing in the transcatheter closure of secundum atrial septal defect with deficient posterior-inferior rim / *Chaowu Yan / Cheng Wang / Xiangbin Pan / Shiguo Li / Huijun Song / Qiong Liu / Wei Fang / Nan Xu / Jianpeng Wang / Hua Li*
- C19 Prospective randomised comparison of three different types of nitinol septal occluder devices used for transcatheter closure of atrial septal defects / *Kothandam Sivakumar / Arvind Singh*
- C20 A case of massive iatrogenic enlargement of atrial septal defect following cryoballoon ablation of atrial fibrillation / *Koji Nakagawa / Teiji Akagi / Yoichi Takaya / Atsuyuki Watanabe / Nobuhiro Nishii / Kazufumi Nakamura / Hiroshi Morita / Hiroshi Itoh*
- C21 Percutaneous ASD closure of children less than 10 kg / *Nazmi Narin / Osman Baspinar / Özge Pamukçu / Suleyman Sunkak / Onur Tasci / Kazim Uzum / Ali Baykan*
- C22 Transcatheter closure of sinus venous ASD – Institutional experience from 15 patients / *Kothandam Sivakumar / Rajesh Kumar / Ramyashri Chandrashekar*
- C23 Percutaneous closure of trauma-induced atrial septal defect: where the problem lies? / *Domenico Sirico / Giuseppe Annoni / Luigi Mauri / Antonella Moreo / Cristina Giannattasio / Gabriele Vignati*
- C24 A case of recurrent episodes of cerebral embolism treated with percutaneous PFO closure with atrial septal puncture: lessons after successful treatment / *Yoshihiro Morino / Michiko Yoshizawa / Akiko Kumagai / Hironobu Ueda / Ryoichi Tanaka / Atsushi Tashiro*
- C25 Importance of abdominal compression valsalva maneuver and microbubbles grading of contrast transthoracic echocardiography for detecting patent foramen ovale / *Madoka Ikeda / Yoichi Takaya / Nobuhisa Watanabe / Teiji Akagi / Koji Nakagawa / Hiroshi Ito*
- C26 Persistent foramen ovale and long-term risk of ischemic stroke after surgery / *Sabine Friedrich / Pauline Y Ng / Katharina Platzbecker / Sara M Burns / Valerie Banner-Goodspeed / Christian Weimar / Balachundhar Subramaniam / Timothy T Houle / Deepak L Bhatt / Matthias Eikermann*
- C27 Effect of trans catheter closure by Amplatzer Duct Occluder II in patients with ventricular septal defect / *Kanjarut Wongwaitawewong*



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- C28 Closure of post infarct ventricular septal defect using the cocoon duct occluder / *Kid Bhumimuang*
- C29 Bail-out closure of a perimembranous ventricular septal defect following transcatheter aortic valve implantation using an Amplatzer septal occluder / *Johanna Hummel*
/ *Nikolaus Jander* / *Brigitte Stiller* / *Jochen Grohmann*
/ *Thomas Comberg*
- C30 Trans-jugular VSD closure in a 5 kg, 9 month old baby
/ *Sherien Abdelsalam Mohamed* / *Hassan Elminesi*
- C31 Interventional closure of premembranous ventricular septal defects: experience using the Nit-Occlud VSD device
/ *Ruth Heying* / *Bjorn Cools* / *Quentin Jordens* / *Mieke Roggen*
/ *Derize Boshoff* / *Benedicte Eyskens* / *Jacoba Louw* / *Stefan Frerich*
/ *Marc Gewillig*
- C32 Study of single disc device used in sub aortic VSD closer
/ *Manojkumar Bhavarilal Chopada*
- C33 Thrombus in ascending aorta after VSD device closure
/ *Neeraj Aggarwal* / *Praneet Lale* / *Mridul Agarwal*
- C34 Transcatheter closure of perimembranous ventricular septal defect in infants with pulmonary hypertension and failure to thrive / *Hussein Abdulwahab Mohammed Abdullah*
/ *Kamal Mohammed* / *Hussein Al Salkhi*
- C35 Surgical closure of large ventricular septal defects with severe pulmonary hypertension via unidirectional valved patch / *Mohsen Sedighi* / *Hamid Bigdelian*
- C36 Percutaneous transcatheter closure of ruptured right sinus of valsalva aneurysm / *Homa Ghaderian*
- C37 Occlutech Figulla Septal Occluder (FSO) in small children – A single centre study / *Chetan Mehta* / *Vinay Bhole*
/ *Milind Chaudhari* / *Rami Dhillon* / *Oliver Stumper*
- C38 Percutaneous closure of a 22 mm large hypertensive AP window in an 11 year old boy / *Parag Barwad* / *Ashish Tiwari*
/ *Shadab Ahmed* / *Yashpaul Sharma*
- C39 Percutaneous closure of acute post-infarct left and right ventricular rupture with communicating pseudoaneurysm and left-to-right shunt / *Rong Bing* / *Miles Behan* / *David Newby*
/ *David Northridge*
- C40 Device closure of aorto-pulmonary window in an infant using ADO 2 / *Neeraj Aggarwal* / *Praneet Lale* / *Mridul Agarwal*
/ *Aditya Lamba* / *Reena Joshi* / *Raja Joshi*



- C41 Transcatheter closure of sinus venosus defects – Anatomic variants and procedural feasibility using virtual reality planning / *Animesh Tandon / Barbara Burkhardt / Maria Batsis / Thomas Zellers / Mari Nieves Velasco Forte / Ryan McMahan / Israel Valverde / Tarique Hussain*
- C42 Atrial fenestration with Atrial Flow Regulator device before transcatheter closure of a patent vertical vein in a patient with a surgically repaired of total anomalous pulmonary venous connection / *Angel Sanchez-Recalde / Enriquer Balbacid / Jose Ruiz-Cantador / Cesar Abelleira / Ana Elvira Gonzalez Garcia / Raúl Moreno Gómez / Federico Gutierrez-Larraya*
- C43 Percutaneous closure of sub-acute post-infarct left ventricular rupture and pseudoaneurysm / *Miles Behan / Paul Broadhurst / Mardi Hamra / Rong Bing / David Northridge*

[D] VALVE DISEASE

- D1 TAVI for very tight valve with small LV, low EF and for low coronary height / *Hirotsugu Mitsuhashi / Mikihiko Nakaoka / Masafumi Ohno / Kohei Abe / Nobuyuki Komiyama*
- D2 Valve-in-valve transcatheter aortic valve implantation for severe paravalvular leak following migration of a sutureless Perceval surgical bioprosthesis / *Rong Bing / Stephen Leslie / Hussein El Shafei / David Northridge / Nick Cruden*
- D3 One patient, two valves, three major complications in TAVI / *Shinya Ito / Mizuki Miura / Shinichi Shirai / Masaomi Hayashi / Hiroshi Takiguchi / Mariko Yano / Tomohiro Kawaguchi / Takashi Morinaga / Akihiro Isotani / Yoshio Arai / Genichi Sakaguchi / Kenji Ando*
- D4 Aorto right ventricular shunt after TAVI / *Hiroshi Takiguchi*
- D5 Effective method to prevent embolization of self-expandable aortic valve with post dilatation from contralateral femoral approach / *Tomohiro Kawaguchi*
- D6 Combined aortic and pulmonary valvoplasty in a symptomatic young female / *Sanjay Khatri*
- D7 Type A aortic intramural hematoma following CoreValve implantation without ballooning: complete resorption after blood pressure control / *Jong-pil Park / Se Hun Kang / Won-Jang Kim*



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ABSTRACTS AND CASES

- D8 A case of left ventricular outflow tract obstruction after transcatheter aortic valve implantation (TAVI)
/ Hiroyuki Kuwahara / Hiroshi Ueno
- D9 Percutaneous mitral commissurotomy in a patient with giant left atrial aneurysm compressing the right atrium; technical considerations / Hussien Kassem / Ahmad Asfour
/ Amr Youssef
- D10 Hybrid transcatheter pulmonary valve implantation: first case series from Turkey / Alper Guzeltas
/ Ibrahim Cansaran Tanidir / Selman Gokalp / Murat Sahin / Sertac Haydin
- D11 Retrograde Balloon pulmonary valve dilatation in neonates
/ Neeraj Aggarwal / Mridul Agarwal / Reena Joshi / Raja Joshi
- D12 Potential role of emerging percutaneous mitral interventions in patients undergoing TAVR / Andrew ElBardissi
/ Mark Stuntz
- D13 Complex percutaneous pulmonary Venus P valve implantation with simultaneous device closure of RVOT aneurysm – The use of 3D modelling to perform mock intervention to aid in planning / Salim Jivanji / Israel Valverde
/ Nick Byrne / Mari Nieves Velasco / Shakeel A. Qureshi / Eric Rosenthal
- D14 Percutaneous pulmonary valve-in-valve replacement on degenerative bioprosthesis / Isaac Bendayán / Fernando Rueda
/ Nicolás Vazquez / Victor Bautista / Jose Manuel Vazquez
- D15 Single center experience of percutaneous device closure of paravalvular leaks / Kothandam Sivakumar / Arvind Singh
- D16 Long-term follow-up of transcatheter closure of ruptured sinus of valsalva aneurysm / Michal Galeczka / Roland Fiszer
/ Dominika Rojczyk / Mateusz Knop / Sebastian Smerdzinski / Jacek Bialkowski / Malgorzata Szkutnik
- D17 Pulmonary valve implantation in patients with native and dilated right ventricular outflow tract / Alper Guzeltas
/ Ibrahim Cansaran Tanidir / Selman Gokalp / Murat Sahin / Mehmet Akin Topkarci
- D18 Percutaneous trans-axillary TAVR with Sapien 3 and Certitude delivery system / Thom Dahle / Brian Stegman
/ Nathaniel Castro
- D19 Transcatheter valve repair solution with a novel cinching system / Jan van der Heyden / Paolo Denti



- D20 Percutaneous pulmonary valve replacement results of Erciyes University Pediatric Cardiology / *Nazmi Narin / Özge Pamukçu / Aydin Tuncay / Ali Baykan / Suleyman Sunkak / Onur Tasci / Kazim Uzun*
- D21 The importance of emerging transcatheter mitral valve technologies in cost-effectiveness and procedure outcomes / *Andrew ElBardissi / Mark Stuntz*
- D22 Clinical and procedural outcomes in TAVR for bicuspid versus tricuspid aortic valve stenosis / *Mohammad M. Ansari / Daniel Garcia*
- D23 Clinical outcomes of embolic protection devices for TAVR / *Mohammad M. Ansari / Daniel Garcia*

[E] MISCELLANEOUS

- E1 How to save early failing Fontan – Role of catheter interventions / *Amit Misri*
- E2 Successful dilatation of totally occluded SVC baffle after one year of Mustard operation in a 3 year old child / *Sherien Abdelsalam Mohamed / Hassan Elminesi*
- E3 B/L Renal Artery instent restenosis – CTO with stent dislodgement / *Manojkumar Bhavarilal Chopada*
- E4 Unexplainably blue: an abnormal connections / *Sherien Abdelsalam Mohamed / Hassan Elminesi*
- E5 Down the chimney / *Sherien Abdelsalam Mohamed / Hassan Elminesi*
- E6 DAPT and HEPARIN non-inferior to lytics within 90 mins of STEMI / *Dhiman Kahali / Asit Das / Tanujja De / Maqbul Ahmed*
- E7 Percutaneous closure with atrial septal defect closure device for failed sugical ligation of left atrial appendage / *Jung-Sun Kim / Geu-Ru Hong*
- E8 Non traumatic congenital fistula between left subclavian artery and innominate vein misdiagnosed as a PDA / *Sherien Abdelsalam Mohamed / Hassan Elminesi*
- E9 Antegrade approach transcatheter closure of big and tortous coronary artery fistula in small children / *Yovi Kurniawati*
- E10 Trans-catheter palliation: stenting of inter-atrial septum in a 5 year-old Taussig Bing with poor mixing / *Sherien Abdelsalam Mohamed / Hassan Elminesi*



CSI 2018

ABSTRACTS AND CASES

- E11 Recanalized costocervical trunk after endovascular coil embolization / *David Baghdasaryan / Karen Zohrabyan*
- E12 Snare torn umbilical catheter in neonate / *Sherien Abdelsalam Mohamed*
- E13 Successful percutaneous thrombectomy of the left pulmonary artery in a neonate / *Shota Muraji / Toshiki Kobayashi / Takayuki Oyanagi / Takuro Kojima / Naokata Sumitomo*
- E14 Successful stenting of renal artery stenosis in patients with Takayaso arterities / *Zahra Khajali / Parham Sadeghipoor / Farzaneh Fotoohi / Maryam Aliramezany*
- E15 A cord-cut: retrieving torn umbilical venous catheter in a very low birth weight neonate / *Sherien Abdelsalam Mohamed / Hassan Elminesi*
- E16 Iatrogenic aortic pseudoaneurysm closure with ASD device / *Luiz Carlos Simoes / Renata Mattos*
- E17 Aorta to SVC tunnel / *Prashant Mahawar*
- E18 New technique to reduce the size of a stented Fontan fenestration using stent-in-stent and a detachable coil / *Kenji Baba / Maiko Kondo / Yoshihiko Kurita / Takahiro Eitoku / Yosuke Fukushima / Yusuke Shigemitsu / Kenta Hirai / Yuuya Kawamoto / Mayuko Hara / Shin-ichi Ohtsuki*
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