

CSI FOCUS LAA 2019

WORKBOOK

NOVEMBER 15-16, 2019

WIESBADEN, GERMANY



www.csi-congress.org/laa



NAVIGATION



LAA

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SCIENTIFIC PROGRAM

Friday, November 15	22
Saturday, November 16	30

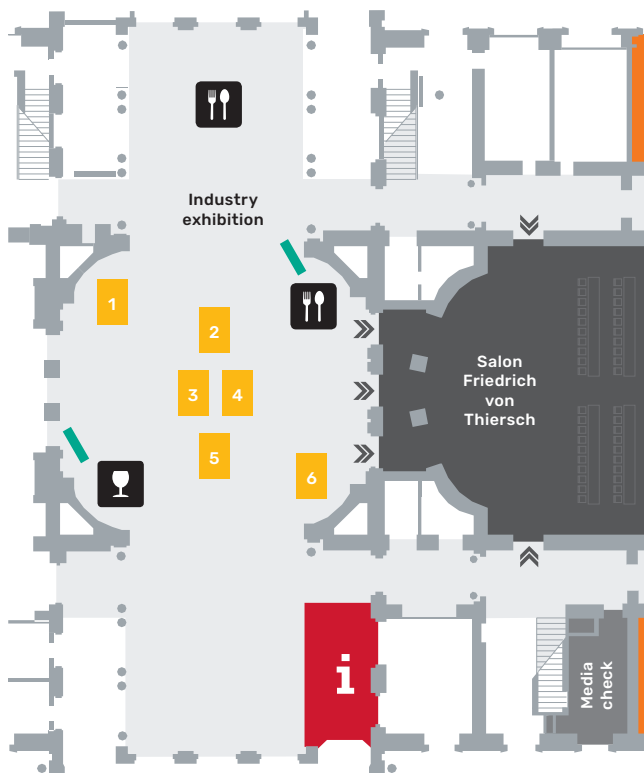


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FLOORPLAN



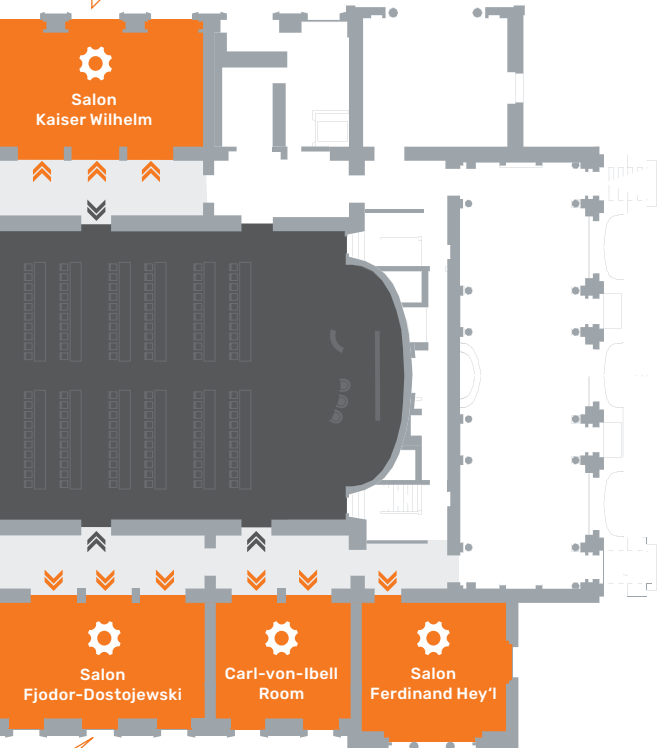
Hands-on training:
ABBOTT
NON-CME-ACCREDITED

EXHIBITING COMPANIES

- | | | | |
|---|------------------|---|-------------------|
| 1 | Eclipse Medical | 4 | SentreHEART |
| 2 | ABBOTT | 5 | Boston Scientific |
| 3 | Lifetech Medical | 6 | Occlutech |



Hands-on training:
Boston Scientific
NON-CME-ACCREDITED



Hands-on training:
**Pie Medical /
Lifetech Medical**
NON-CME-ACCREDITED

Hands-on training:
SentreHEART
NON-CME-ACCREDITED

LEGEND

- Exhibition table top
- Hands-on training/simulator space
- E-poster screens
- Main lecture hall
- Workshop/hands-on simulator training
- Information and registration
- Bar
- Buffet



PROGRAM OVERVIEW

FRIDAY

	FRIEDRICH VON THIERSCH ROOM	INDUSTRY EXHIBITION
BREAKFAST 07.00 – 08.00		Welcome
07.00 – 08.00		
08.00 – 09.25	p. 24 Pre-procedural imaging	
09.25 – 10.55	p. 24 Procedural imaging guidance	
BREAK 10.55 – 11.25		
11.25 – 12.15	p. 25 Post-procedural care and follow-up imaging	
LUNCH BOXES 12.15 – 12.25		
12.25 – 14.05	p. 26 Frequently used devices	
14.05 – 15.15	p. 26 Case-based learning – step by step and tips and tricks	
BREAK 15.15 – 15.45		
15.45 – 18.45	p. 28 The evidence for LAA closure – what you need to know to convince your colleagues	
19.00 – 20.30		Get together



Live transmission



Imaging



Lectures



FREE SHUTTLE / NOV 15

DORINT HOTEL → KURHAUS

DAY	BUS NUMBER	DEPARTURE	ARRIVAL
Friday	Shuttle bus 1	06.50	07.00
Friday	Shuttle bus 2	07.00	07.10

KURHAUS → DORINT HOTEL

DAY	BUS NUMBER	DEPARTURE	ARRIVAL
Friday	Shuttle bus 1	19.00	19.10
Friday	Shuttle bus 2	20.30	20.40

PROGRAM OVERVIEW

SATURDAY



	FRIEDRICH VON THIERSCH ROOM	INDUSTRY EXHIBITION
BREAKFAST 07.00 – 08.00		
07.00 – 08.00		Moderated E-poster presentation
08.00 – 08.50	p. 32 Special LAA closure techniques	
08.50 – 10.40	p. 32 New indications and special situations for LAA closure	
BREAK 10.40 – 11.10		
11.10 – 12.50	p. 33 Less frequently used and new devices and techniques – recently approved or still in the pipeline	
LUNCH BOXES 12.50 – 13.00		
13.00 – 14.00	p. 34 Complications of LAA closure	
14.00 – 15.15	p. 34 Interesting and challenging cases	
BREAK 15.15 – 15.45		
15.45 – 16.30	p. 35 Case-based learning – from complications	
16.30 – 18.30	p. 35 Transseptal puncture for LAA closure	
18.30 – 18.35		Closing remarks and goodbye



FREE SHUTTLE / NOV 16

DORINT HOTEL → KURHAUS

DAY	BUS NUMBER	DEPARTURE	ARRIVAL
Saturday	Shuttle bus 1	06.35	06.45
Saturday	Shuttle bus 2	06.40	06.50

KURHAUS → DORINT HOTEL

DAY	BUS NUMBER	DEPARTURE	ARRIVAL
Saturday	Shuttle bus 1	18.40	18.50
Saturday	Shuttle bus 2	18.50	19.00

FREE WIFI

available at the conference level.





GENERAL INFORMATION



LAA



ACKNOWLEDGEMENT

We would like to thank our industry partners for their support of LAA 2019:

Boston Scientific

Advancing science for life™



AtriCure

Eclipse Medical
Occlutech International AB
Pie Medical Imaging
Siemens Healthineers
Cormos Medical

The congress is approved by
MedTech Europe.



In cooperation with

CardioVascular Center CVC Frankfurt



ATTENDEE INFORMATION



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

OPENING HOURS

Friday, November 15, 2019 07.00 – 20.30
Saturday, November 16, 2019 07.00 – 18.35

DAILY BREAKFAST

We will serve breakfast every morning at 07.00 in the industry exhibition.

CONGRESS VENUE

Kurhaus Wiesbaden GmbH
Kurhausplatz 1
65189 Wiesbaden
Germany

CONGRESS ORGANIZATION

cme4u GmbH
Congresses, meetings & education
Röntgenstr. 7 – 9, 60388 Frankfurt am Main, Germany
E-mail: info@cme4u.org
www.cme4u.org

Lorena Klos

Mobil: +49 173 669 05 87

FREE WIFI

Network: LAA Meeting
Password: Kurhaus2019

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

Thank you for your attention,

cme4u GmbH
Congress organization





HOW TO GET YOUR CERTIFICATE?

THANK YOU FOR ATTENDING CSI FOCUS LAA 2019.

Please keep in mind that due to rules and regulations we can provide your CME credits and certificate only if you have filled in the evaluation form which you will find on the congress homepage:



www.csi-congress.org/laa/certificate-evaluation

As the certificate of attendance will be sent by e-mail, please ensure that your contact details are up to date by checking with the staff at the registration desk.

**The certificate of attendance will be sent by e-mail by
November 30, 2019.**

CERTIFIED BY DGK AND EBAC



LAA 2019 IS ACCREDITED TO PROVIDE 12 CME credits by the DGK



DGK.

Deutsche Gesellschaft für Kardiologie
– Herz- und Kreislaufforschung e.V.

16 CME credits by the European Board for Accreditation in Cardiology (EBAC)



The event "LAA 2019" is accredited by the European Board for Accreditation in Cardiology (EBAC) for "16" hours of external 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).

IN ASSOCIATION WITH



DGK.

Deutsche Gesellschaft für Kardiologie
– Herz- und Kreislaufforschung e.V.



ALKK

Arbeitsgemeinschaft Leitende
Kardiologische Krankenhauserzte e.V.



BNK

Bundesverband
Niedergelassener
Kardiologen



WHAT IS THE CSI FOUNDATION?

ABOUT US

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

**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

FUTURE EVENTS 2019 / 2020



CSI AFRICA

November 29 – 30, 2019 / Arusha, Tanzania

Catheter therapies of congenial, structural and valvar heart disease with a specific focus on practice in Africa.



CSI FOCUS D-HF

December 13 – 14, 2019 / Paris, France

A workshop aiming to provide innovative and cutting-edge technologies in the field of device based heart failure treatment.



CSI FRANKFURT

June 24 – 27, 2020 / Frankfurt, Germany

The leading conference on catheter therapy of congenial, structural and valvar heart disease and heart failure.



CSI LATIN AMERICA

October 29 – 31, 2020 / Sao Paulo, Brazil

Catheter therapies of congenial, structural and valvar heart disease with a particular focus on practice in Latin America.

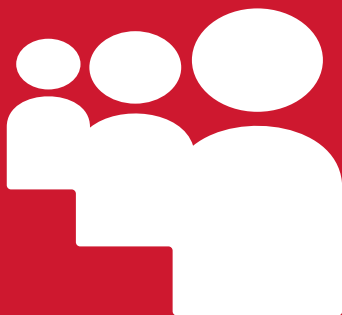


CSI ASIA-PACIFIC

tbc

Catheter interventions in structural, valvular and congenital heart disease.





SCIENTIFIC FACULTY



LAA



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LIVE CASE CENTERS

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SCIENTIFIC FACULTY

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The Second Hospital of Hebei
Medical University
Hebei, China

Mengyun Zhu, MD

Shanghai No.10 General Hospital
Shanghai, China





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FREE SHUTTLE / NOV 15

DORINT HOTEL → KURHAUS

DAY	BUS NUMBER	DEPARTURE	ARRIVAL
Friday	Shuttle bus 1	06.50	07.00
Friday	Shuttle bus 2	07.00	07.10

KURHAUS → DORINT HOTEL

DAY	BUS NUMBER	DEPARTURE	ARRIVAL
Friday	Shuttle bus 1	19.00	19.10
Friday	Shuttle bus 2	20.30	20.40



FRIDAY, NOVEMBER 15



LAA



FRIDAY

07.00 - 10.55

LAA



07.00 - 08.00
EXHIBITION AREA

WELCOME AND BREAKFAST

/ Shakeel Qureshi and course directors



08.00 - 09.25
FRIEDRICH VON THIERSCH ROOM

PRE-PROCEDURAL IMAGING

Moderators / Shakeel Qureshi / Apostolos Tzikas

Panelists / Xavier Freixa / Kevin Walsh / Wissam Gharib / Jan Kovac

Facilitator / Jacqueline Saw

Live center coordinator / Stefan Bertog

LIVE TRANSMISSION FROM

CardioVascular Center Frankfurt CVC, Frankfurt, Germany and
Rigshospitalet Copenhagen, Denmark

Pre-procedural TEE

/ Bushra Rana

DEBATE

- Preprocedural CT will become standard of care

/ Apostolos Tzikas

- Yes! But only if you have limited experience in LAA closure!

/ Saibal Kar

How to do and evaluate CT before LAA closure - case example / Lars Sondergaard

DISCUSSION



09.25 - 10.55
FRIEDRICH VON THIERSCH ROOM

PROCEDURAL IMAGING GUIDANCE

Moderators / Vivek Reddy / Maurice Buchbinder

Panelists / Anish Amin / Jens Erik Nielsen-Kudsk / Jacqueline Saw
/ Saibal Kar

Facilitator / Bushra Rana

Live center coordinator / Apostolos Tzikas



TEE guidance / Bushra Rana

Could LAA closure with TEE be performed globally one day without general anesthesia? / Wissam Gharib

2D ICE guidance / Lars Sondergaard

3D/4D ICE for Watchman / Amin Anish

LIVE TRANSMISSION FROM

CardioVascular Center Frankfurt CVC, Frankfurt, Germany and Rigshospitalet Copenhagen, Denmark

DISCUSSION



10.55 – 11.25
EXHIBITION AREA

TEA AND COFFEE BREAK



11.25 – 12.15
FRIEDRICH VON THIERSCH ROOM

POST-PROCEDURAL CARE AND FOLLOW-UP IMAGING

Moderators / Shakeel Qureshi / Apostolos Tzikas

Panelists / Luis Asmarats / Jens Erik Nielsen-Kudsk
/ Lars Sondergaard

Facilitator / Bushra Rana

CASE-BASED EXPERT DISCUSSION

Post-procedural anti-thrombotic therapy / Simon Lam
/ Martin Bergmann / Stefan Bertog / Lars Sondergaard
/ Luis Asmarats

TEE follow-up: leaks, clots & more / Bushra Rana

CT follow-up: leaks, clots & more / Sergio Berti

Clot on the device – what to do? / Luis Asmarats

DISCUSSION



ALLDAY PARALLEL TRAINING HUB

More information? See separate training hub flyer.



FRIDAY

12.15 – 15.15

LAA



12.15 – 12.25
EXHIBITION AREA

PICK UP YOUR LUNCH BOXES



12.25 – 14.05
FRIEDRICH VON THIERSCH ROOM

FREQUENTLY USED DEVICES

Moderators / Shakeel Qureshi / Stefan Bertog

Panelists / Andrey Kalemberg / Randall Lee / Jacqueline Saw
/ Saibal Kar

Facilitator / Vivek Reddy

Live center coordinator / Bushra Rana

LIVE TRANSMISSION FROM

CardioVascular Center Frankfurt CVC, Frankfurt, Germany and
Rigshospitalet Copenhagen, Denmark

The Amulet: deep dive into the design and why I like it
/ Apostolos Tzikas

The Watchman FLX: deep dive into the design and why I
like it / Vivek Reddy

The LAmbré: deep dive into the design and why I like it
/ Francisco Chamie

CASE-BASED EXPERT DISCUSSION

Which device (and device size) for which patient?
/ Saibal Kar / Vivek Reddy / Xavier Freixa / Jacqueline Saw

DISCUSSION



14.05 – 15.15
FRIEDRICH VON THIERSCH ROOM

CASE-BASED LEARNING – STEP BY STEP AND TIPS AND TRICKS

Moderators / Shakeel Qureshi / Stefan Bertog

Panelists / Suneet Mittal / Thorsten Hanke / Jacob Odenstedt
/ Randall Lee

Facilitator / Bushra Rana

My 7 most important tips and tricks for

- Amulet / Apostolos Tzikas
- LAmbré / Norbert Klein
- Watchman FLX / Felix Meincke

**CASE-BASED EXPERT DISCUSSION**

How to tug – tips, tricks and pitfalls / Jens Erik Nielsen-Kudsk
/ Saibal Kar /Raveen Bazaz

The most important tips and tricks for Lariat / Suneet Mittal

How to do AtriClip / Thorsten Hanke

DISCUSSION



15.15 – 15.45

EXHIBITION AREA

TEA AND COFFEE BREAK





FRIDAY

15.45 – 20.30

LAA



15.45 – 18.45

FRIEDRICH VON THIERSCH ROOM

THE EVIDENCE FOR LAA CLOSURE – WHAT YOU NEED TO KNOW TO CONVINCe YOUR COLLEAGUES

Moderators / Stefan Bertog / Vivek Reddy

Panelists / Leif-Hendrik Boldt / Alberto Cresti / Dabit Arzamendi / Xianfeng Du

Facilitator / Matthew Daniels

What is already in the guidelines? / Leif-Hendrik Boldt

Where are the clots in atrial fibrillation patients? We had the wrong assumptions over the last decades

/ Alberto Cresti

Update on Watchman trials / Martin Bergmann

Update on Amulet trials / Dabit Arzamendi

Latest clinical evidence on epicardial LAA closure with Atricure / Thorsten Hanke

Lariat and the aMAZE trial: background, rationale, design and update / Suneet Mittal

Results of the randomized Prague 17 trial: NOACS versus LAA closure / Vivek Reddy

CHAMPION trial update / Saibal Kar

Concomitant AF transcatheter ablation and LAAC

/ Claudio Tondo

Which other trials are ongoing or planned? / Stefan Bertog

Watchman SALUTE IDE – early experience in Japan

/ Yoshifumi Nakajima

LIVE TRANSMISSION FROM

CardioVascular Center Frankfurt CVC, Frankfurt, Germany

DISCUSSION



19.00 – 20.30

EXHIBITION AREA

GET TOGETHER





FOCUS WORKSHOPS

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New indications and special situations for LAA closure	32
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FREE SHUTTLE / NOV 16

DORINT HOTEL → KURHAUS

DAY	BUS NUMBER	DEPARTURE	ARRIVAL
Saturday	Shuttle bus 1	06.35	06.45
Saturday	Shuttle bus 2	06.40	06.50

KURHAUS → DORINT HOTEL

DAY	BUS NUMBER	DEPARTURE	ARRIVAL
Saturday	Shuttle bus 1	18.40	18.50
Saturday	Shuttle bus 2	18.50	19.00



SATURDAY, NOVEMBER 16



LAA



SATURDAY

07.00 - 10.40

LAA



07.00 - 08.00
EXHIBITION AREA

BREAKFAST



07.00 - 08.00
EXHIBITION AREA

E-POSTER PRESENTATION

Moderators / Jaqueline Saw / Matthew Daniels / Bushra Rana
/ Stefan Bertog

DISCUSSION



08.00 - 08.50
FRIEDRICH VON THIERSCH ROOM

SPECIAL LAA CLOSURE TECHNIQUES

Moderators / Apostolos Tzikas / Vivek Reddy
Panelists / Matthew Daniels / Gharib Wissam / Martin Bergmann
Facilitator / Bushra Rana

What if there is thrombus in the LAA? / David Hildick-Smith

Double device closure for large or bilobar LAA

/ Matthew Daniels

LAAC techniques for patients with atrial septal defect
and atrial fibrillation / Haibo Hu

DISCUSSION



08.50 - 10.40
FRIEDRICH VON THIERSCH ROOM

NEW INDICATIONS AND SPECIAL SITUATIONS FOR LAA CLOSURE

Moderators / Shakeel Qureshi / Apostolos Tzikas
Panelists / Jan Peruga / Krzysztof Bartus / Thorsten Hanke
Facilitator / David Hildick-Smith

LIVE TRANSMISSION FROM

CardioVascular Center Frankfurt CVC, Frankfurt, Germany

Always LAA closure after AF ablation? / Thorsten Hanke

**CASE BASED EXPERT DISCUSSION**

What if a patient needs both, AF ablation and LAA closure? What to do, when, how and why?

/ Matthew Daniels / Vivek Reddy / Saibal Kar / Randall Lee

Thrombus on the device – a deep dive into risk factors and predictors / Brian Tischler

“Primary” closure of the LAA when you are in the atrium for, e.g. ASD closure – when could it make sense?

/ David Hildick-Smith

Flow dynamics and device related thrombus / Xavier Freixa

DISCUSSION

10.40 – 11.10

EXHIBITION AREA

TEA AND COFFEE BREAK

11.10 – 12.50

FRIEDRICH VON THIERSCH ROOM

LESS FREQUENTLY USED AND NEW DEVICES AND TECHNIQUES – RECENTLY APPROVED OR STILL IN THE PIPELINE

Moderators / Vivek Reddy / Apostolos Tzikas

Panelists / Iqbal Malik / Jacqueline Saw / Norbert Klein

Facilitator / Stefan Bertog

DEBATE

The future of LAA closure: disk or plug – that is the question!

– Disk! / Norbert Klein

– Plug! / Vivek Reddy

OMEGA study / Horst Sievert

WaveCrest / Martin Bergmann

Gore / Jens-Erik Nielsen-Kudsk

Cormos LAA occluder / Marcus Sandri

SeaLA / Kolja Sievert

The new Occlutech LAA occluder / Iqbal Malik

AEGIS / Krzysztof Bartus

LEFTEAR / Mengyun Zhu

New devices in epicardial LAA exclusion / Thorsten Hanke

DISCUSSION



SATURDAY

12.50 - 15.45

LAA



12.50 - 13.00
EXHIBITION AREA

PICK UP YOUR LUNCH BOXES



13.00 - 14.00
FRIEDRICH VON THIERSCH ROOM

COMPLICATIONS OF LAA CLOSURE

Moderators / Shakeel Qureshi / Apostolos Tzikas

Panelists / Jacob Odenstedt / Evgeny Merkulov / Raveen Bazaz
/ Ruiqing Xie

Facilitator / Matthew Daniels

Trends in procedural complications / Luis Asmarats

The occluder is embolized – what now? Case-based
lecture / Mengyun Zhu

Tamponade! Case-based lecture / Matthew Daniels

Percutaneous treatment with LAMBRE after
asymptomatic late LAAO embolization / Jan Peruga

Unusual complications of the Lariat procedure / Randall Lee

DISCUSSION



14.00 - 15.15
FRIEDRICH VON THIERSCH ROOM

INTERESTING AND CHALLENGING CASES

Moderators / Shakeel Qureshi / Vivek Reddy

Panelists / Adel Aminian / Marcus Sandri / Marek Grygier

Facilitator / Bushra Rana

Case 1 / Dabit Arzamendi

Case 2 / Evgeny Merkulov

Case 3 / Andrey Kalemberg

Case 4 / Carsten Israel

Case 5 / Marcus Sandri

Case 6 / Gilles Rioufol

DISCUSSION



15.15 - 15.45
EXHIBITION AREA

TEA AND COFFEE BREAK



15.45 – 16.30

FRIEDRICH VON THIERSCH ROOM

CASE-BASED LEARNING – FROM COMPLICATIONS

Moderators / Shakeel Qureshi / Stefan Bertog**Panelists** / Adel Aminian / Marek Grygier / Randall Lee**Facilitator** / Matthew Daniels

Amulet / Xavier Freixa

Watchman FLX / Saibal Kar

LAmbre / Carlo Briguori

DISCUSSION



16.30 – 18.30

FRIEDRICH VON THIERSCH ROOM

TRANSEPITAL PUNCTURE FOR LAA CLOSURE

Moderators / Shakeel Qureshi / Bushra Rana**Panelists** / Stefan Bertog / Markus Reinartz / Kevin Walsh**Facilitator** / Saibal Kar**Live center coordinator** / Jacqueline Saw

Recorded case with AtriClip / Thorsten Hanke

Transseptal puncture under fluoro guidance / Norbert Klein

Transseptal puncture under TEE guidance / Bushra Rana

Complications of transseptal puncture – how to prevent and how to manage / Vivek Reddy

How to get pericardial access safely / Krzysztof Bartus

Case demonstration of optimal transseptal, anatomy and

variability of LAA, device sizing and challenges / Mark Reisman

LIVE TRANSMISSION FROM

University of Washington Medical Center, Seattle, United States

DISCUSSION

18.30 – 18.35

EXHIBITION AREA

CLOSING REMARKS AND GOODBYE

/ Shakeel Qureshi and course directors





SCIENTIFIC ABSTRACTS



LAA



CSI FOCUS LAA 2019 ABSTRACTS OVERVIEW

On the following page you will find a summary of the abstracts and cases that were accepted for LAA 2019. The e-poster presentation will take place on Saturday, from 07.00 – 08.00 in the industry exhibition.



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

VIDAA: a web-based platform for the pre-operative planning of left atrial appendage occluder implantations
/ A. M. Aguado / A. L. Olivares / C. Yague / M. Nunez-Garcia /
A. Fernandez-Quilez / I. Genua / E. Perera / J. Mill / E. Silva /
T. de Potter / D. Arzamendi / X. Freixa / O. Camara

Large LAA closure in a huge LA / C.-Y. Chu / H.-C. Lee
/ T.-H. Lin

Electrical isolation and occlusion of the left atrial appendage using the Novel Aurigen combination device: an early proof of concept study / J. Thompson / S. Maclean
/ T. O'halloran / C. Allen / L. Behr / N. Borenstein

In silico simulations help to unveil the mystery of device-associated thrombus after left atrial appendage closure
/ J. Mill / V. Agudelo / A. Regueiro / D. Arzamendi / X. Freixa
/ O. Camara

Our initial experience with LAAO with Amulet™ occluder
D. Ondusova / S. Misikova / S. Juhas

LAAO in a patient with a barlow disease / D. Ondusova
/ S. Misikova / S. Juhas / G. Valocik

When to stop, when to continue / C. R. Costantini
/ G. S. Tarbine / C. O. Costantini / M. F. Santos / M. A. Denk
/ R. M. Macedo

Deep learning surrogate of computational fluid dynamics for thrombus formation risk in the left atrial appendage
/ X. Morales, J. Mill / K. A. Juhl, A. Olivares
/ G. Jimenez-Perez / R. R. Paulsen / O. Camara



Single and short-time antiplatelet therapy after percutaneous left atrial appendage closure / M. Llagostera / A. Mas-Stachurska / A. Calvo / A. B. Garcia / A. Sanchez / A. Negrete / R. Garcia / N. Salvatella / H. Tizon-Marcos / R. Millan / C. Ivern / B. Vaquerizo

Lambre device with remarkable tensile strength resisting a severe mitral paravalvular leak / A. Calvo-Fernandez / A. Garcia-Duran / A. Negrete / A. Mas-Stachurska / N. Salvatella / F. Hernandez / A. Sanchez-Carpintero / M. Llagostera / R. Garcia / H. Tizon / R. Millan / C. Ivern / B. Vaquerizo

Patient-specific 3-dimensional heart model as a decisive tool for percutaneous left atrial appendage occlusion in a case of complex anatomy / A. Garcia-Duran / A. Negrete / A. Calvo / A. Mas / N. Salvatella / A. Sanchez / M. Llagostera / R. Garcia / H. Tizon / R. Millan / C. Ivern / B. Vaquerizo

Postoperative compression changes in Amplatzer Amulet™ occluders / C. Brenner / W. Jones / T. Haber / J. Melichercik / B. Ismer / N. A. Haas

Proof of concept for a novel transcatheter no-implant LAA closure system / Z. Berger / S. Raviv / G. Atarot / O. Meiri / L. Sternik / A. Halkin / H. Sievert

Superior lobe left atrial appendage closure with Watchman 2.5 device / Y. Nakajima

A case of a normal-sized left atrium with poor transport function as an indication for complete electrical isolation and LAA closure / J. Tomala / S. Ulbrich / U. Richter / Y. Huo / T. Gaspar / C. Piorkowski

Fusion imaging-guided Watchman implantation after failed surgical LAAC / H. Ebel

Rationale and design of a multicenter registry to evaluate outcomes in patients on hemodialysis treated with left atrial appendage occlusion with Watchman® Device (Watch-HD) / A. P. de Prado / T. Benito-Gonzalez / A. Quiros / F. Torres / I. Cruz / J. Miguel Ruiz-Nodar / J. Goicolea / J. Sanchis / X. Freixa / M. Prieto / F. Fernandez-Vazquez

LAAC in challenging morphology – the sandwich technique / A. Toepper / F. X. Kleber

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JUNE 24 – 27, 2020

FRANKFURT, GERMANY



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