

CSI FOCUS D-HF 2019

WORKBOOK

DECEMBER 13-14, 2019

PARIS, FRANCE



www.csi-congress.org/dhf



NAVIGATION



D-HF



NAVIGATION

Floorplan	4
Program overview Friday	6
Program overview Saturday	7



GENERAL INFORMATION

Acknowledgement	10
Attendee information	11
Certification	12
CSI Foundation	14



SCIENTIFIC FACULTY

Board of directors	18
Program committee	18
Scientific faculty	19



SCIENTIFIC PROGRAM FRIDAY, DECEMBER 13

CSI focus D-HF	22
CSI focus DDW	28



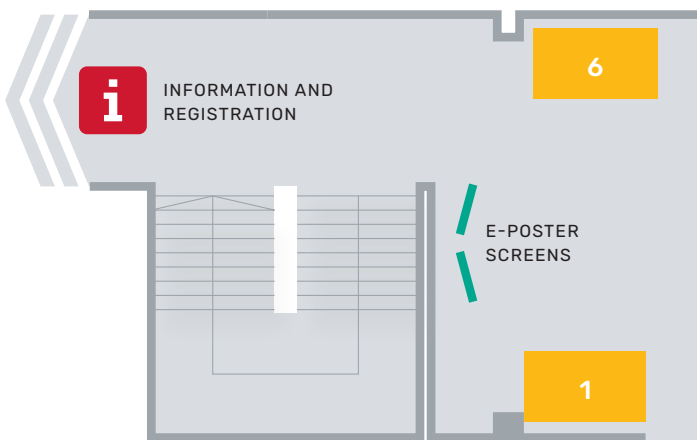
SCIENTIFIC PROGRAM SATURDAY, DECEMBER 14

CSI focus D-HF	30
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SCIENTIFIC ABSTRACTS






Overview	38
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EXHIBITING COMPANIES

- 1 Cardiac Dimensions
- 2 Occlutech
- 3 Relieve Cardiovascular
- 4 Corvia Medical
- 5 CD Leycom
- 6 CVRx

LEGEND

-  Exhibition table top
-  Media check
-  E-poster screen
-  Information and registration
-  Lunch boxes



5

4

MEDIA
CHECK



EXHIBITION AREA

2

3

AMPHITHEATRE ABC



PROGRAM OVERVIEW

FRIDAY

	AMPHITHEATRE ABC	EXHIBITION AREA
BREAKFAST 07.00 – 08.00		Welcome
08.00 – 09.00	D-HF 🗨️ p. 24 Novel methods of device-based volume management in patients with heart failure	
09.00 – 10.00	D-HF 🗨️ p. 24 The future of device-based therapies and diagnostics for heart failure: the CMO view	
BREAK 10.00 – 10.30		
10.30 – 12.00	D-HF 🗨️ p. 25 Electrotherapy for heart failure treatment	
12.00 – 12.35	D-HF 🗨️ p. 26 Hypertrophic obstructive cardiomyopathy	
LUNCH BOXES 12.35 – 12.50		
12.50 – 13.55	D-HF 🗨️ p. 26 Neuromodulation in the management of heart failure and its comorbidities: diabetes, sleep apnea and hypertension	
13.55 – 15.15	D-HF 🗨️ p. 27 Other new and innovative concepts and devices	
BREAK 15.15 – 15.45		
	DEVICE DEVELOPMENT WORKSHOP (DDW)	
15.45 – 15.50	DDW 🗨️ p. 29 Welcome	
15.50 – 16.30	DDW 🗨️ p. 29 What lies ahead for European regulatory climate	
16.30 – 17.10	DDW 🗨️ p. 29 What lies ahead for devices in CHF	
17.10 – 17.50	DDW 🗨️ p. 29 What lies ahead for investments & funding	
17.50 – 18.20	DDW 🗨️ p. 29 Keynote lecture	
18.20 – 19.30		Get together

PROGRAM OVERVIEW

SATURDAY



	AMPHITHEATRE ABC	EXHIBITION AREA
BREAKFAST 07.00 – 08.00		
07.00 – 08.00		D-HF p. 32 Moderated e-poster session
08.00 – 08.50	D-HF p. 32 Pathogenesis and treatment of heart failure with preserved ejection fraction: splanchnic bed is a novel target	
08.50 – 09.45	D-HF p. 32 Telemedicine in heart failure	
BREAK 09.45 – 10.15		
10.15 – 12.15	D-HF p. 33 Valve interventions in patients with heart failure	
12.15 – 12.50	D-HF p. 34 Interventions for LV reconstruction and support	
LUNCH BOXES 12.50 – 13.05		
13.05 – 14.35	D-HF p. 34 Interatrial shunts	
14.35 – 15.45	D-HF p. 35 Durable mechanical circulatory support	
BREAK 15.45 – 16.15		
16.15 – 17.25	D-HF p. 35 Acute mechanical circulatory support	
17.25 – 18.25	D-HF p. 36 Emerging technologies	
18.25 – 18.30	Closing remarks and goodbye	

**FREE WIFI
AVAILABLE**





GENERAL INFORMATION



D-HF



ACKNOWLEDGEMENT

We would like to thank our industry partners for their support of D-HF 2019:



Abiomed

Ancora Heart

Bioventrix

CD Leycom

Corvia

Corwave

CVRx

Endotronix

Getinge

InterShunt

LivaNova

Magentamed

MAXIS

Medtronic

Novapump

Noya

Orchestra Biomed

Precardia

Procyrion

ReCor Medical

Relieve Cardiovascular

Respicardia

Secondheart

V-Wave

Vectorious Medtech

WhiteSwell

The congress is approved
by MedTech Europe



ATTENDEE INFORMATION



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

OPENING HOURS

Friday, December 13, 2019	7.00 – 19.30
Saturday, December 14, 2019	7.00 – 18.30

DAILY BREAKFAST

We will serve breakfast every morning at 7.00 in the industry exhibition.

CONGRESS VENUE

Novotel Paris Centre Tour Eiffel
61, Quai de Grenelle
75015 Paris, France

CONGRESS ORGANIZATION

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Roentgenstrasse 7-9
60388 Frankfurt, Germany
www.cme4u.org

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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 D-HF 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/dhf/dhf-evaluation

As the certificate of attendance will be sent via 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 via e-mail
by January 10, 2019.**

CSI FOCUS D-HF 2019 IS ACCREDITED TO PROVIDE:

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



The event "D-HF 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).



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 2020



CSI FRANKFURT

JUNE 24 – 27, 2020 / Frankfurt, Germany

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



CSI LATIN AMERICA

OCT 29 – 31, 2020 / Sao Paulo, Brazil

The scientific program is designed to address issues of catheter therapies of congenital, structural and valvular heart disease in children and adults specific to the Latin America region.



CSI FOCUS LAA

NOV 13 – 14, 2020 / 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!

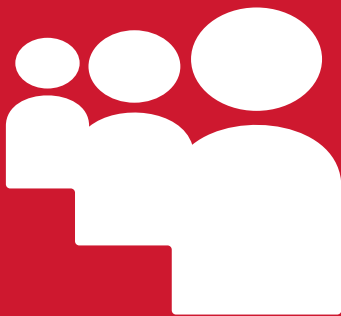


CSI FOCUS D-HF

DEC 11 – 13, 2020 / 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.





SCIENTIFIC FACULTY



D-HF



SCIENTIFIC FACULTY

CSI FOCUS D-HF

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FOCUS WORKSHOP D-HF

Novel methods of device-based volume management in patients with heart failure	24
The future of device-based therapies and diagnostics for heart failure: the CMO view	24
Electrotherapy for heart failure treatment	25
Hypertrophic obstructive cardiomyopathy	26
Neuromodulation in the management of heart failure and its comorbidities: diabetes, sleep apnea and hypertension	26
Other new and innovative concepts and devices	27

FOCUS WORKSHOP DDW

What lies ahead for ...	29
... European regulatory climate	
... devices in CHF	
... investments & funding	



FRIDAY, DECEMBER 13



D-HF



FRIDAY

07.00 - 10.30

D-HF



07.00 - 08.00
EXHIBITION AREA

WELCOME AND BREAKFAST

/ Course directors



08.00 - 09.00
AMPHITHEATRE ABC

NOVEL METHODS OF DEVICE-BASED VOLUME MANAGEMENT IN PATIENTS WITH HEART FAILURE

MODERATOR / Howard Levin

PANELISTS / Piotr Ponikowski / Jeffrey Testani

Overview of physiological approaches to volume management / Jeffrey Testani

Current clinical experience with Relieve-Guided Diuretic Therapy in patients acute heart failure: TARGET-1, TARGET-2 and Future TARGETs of Therapy / Piotr Ponikowski

Personalized volume management: Initial experience with automated, diuretic dosing to provide optimized decongestion / Howard Levin

DISCUSSION



09.00 - 10.00
AMPHITHEATRE ABC

THE FUTURE OF DEVICE-BASED THERAPIES AND DIAGNOSTICS FOR HEART FAILURE: THE CMO VIEW

MODERATOR / Howard Levin

PANELISTS / Philip Adamson / Kenneth Stein / William Abraham / Robin Germany / Todd Brinton

PANEL DISCUSSION



10.00 - 10.30
EXHIBITION AREA

TEA AND COFFEE BREAK



10.30 – 12.00

AMPHITHEATRE ABC

ELECTROTHERAPY FOR HEART FAILURE TREATMENT

MODERATOR / Wilhelm Haverkamp

PANELISTS / Francesco Zanon / Frieder Braunschweig

/ Dirk Boecker

Physiological pacing and CRT

Physiological pacing: His bundle pacing techniques and challenges / Francesco Zanon

Mid-range LVEF (35–50%): RVpacing, His bundle pacing, or CRT? / Dirk Boecker

How to manage CRT complications and non-responders / tbc

Electrotherapy of heart failure in special patient groups...

... in patients with atrial fibrillation / Frieder Braunschweig

... in patients with familial cardiomyopathy / Wilhelm Haverkamp

Controversial issue: CRT-P or CDRT-D?

CRT-D is the main strategy / Wilhelm Haverkamp

CRT-P and optimal medical therapy are sufficient? / Dirk Boecker

Closing remarks / Wilhelm Haverkamp

DISCUSSION





FRIDAY

12.00 – 13.55

D-HF



12.00 – 12.35

AMPHITHEATRE ABC

HYPERTROPHIC OBSTRUCTIVE CARDIOMYOPATHY

MODERATORS / Horst Sievert / Gry Dahle

PANELISTS / Dietmar Schranz / Martin Bergmann

Lessons learned from surgery / Gry Dahle

Update on Alcohol ablation / Josef Veselka

The Liwen procedure / Liwen Liu

DISCUSSION



12.35 – 12.50

EXHIBITION AREA

PICK UP YOUR LUNCHBOX



12.50 – 13.55

AMPHITHEATRE ABC

NEUROMODULATION IN THE MANAGEMENT OF HEART FAILURE AND ITS COMORBIDITIES: DIABETES, SLEEP APNEA AND HYPERTENSION

MODERATORS / Howard Levin / Felix Mahfoud

PANELISTS / Piotr Ponikowski / Rolf Wachter

Renal denervation for HF and arrhythmias / Felix Mahfoud

Phrenic nerve stimulation with the Remede system

/ Piotr Ponikowski

BAROSTIM to treat HFrEF – approved therapy for an
unmet need! / Rolf Wachter

Metavention / Felix Mahfoud

Backbeat / Felix Mahfoud

PANEL DISCUSSION



13.55 – 15.15

AMPHITHEATRE ABC

OTHER NEW AND INNOVATIVE CONCEPTS AND DEVICES

MODERATORS / Navin Kapur / Dietmar Schranz / Neil Wilson

PANELISTS / Martin Bergmann / Ulrich Jorde

The pumping patch / Richard Jabbour

Transcatheter papillary muscle approximation

/ Horst Sievert

Left ventricular repair – AccuCinch procedure and

clinical update / Ulrich Jorde

HeartMate PHP Pump / Ulrich Jorde

New insights into the pumping mechanism of the heart

/ Marcus Carlsson

A novel long term cardiac support concept

/ Kristian Solem

Percutaneous HF treatment: cases out of the box

/ Dietmar Schranz

Epicardial treatment for FMR and heart failure –

The Mitral Touch / Isaac George

DISCUSSION



15.15 – 15.45

EXHIBITION AREA

TEA AND COFFEE BREAK



**DO NOT MISS THE GET
TOGETHER THIS EVENING!**

FRIDAY / 18.20–19.30 / EXHIBITION AREA



FRIDAY, DECEMBER 13



DDW



15.45 – 15.50

AMPHITHEATRE ABC

WELCOME

/ Howard Levin

WHAT LIES AHEAD FOR ...



15.50 – 16.30

AMPHITHEATRE ABC

... EUROPEAN REGULATORY CLIMATE

MODERATOR / Jeffrey Jump

PANELISTS / Marie-Claude Morice / Kathleen Marshall

/ Sujith Shetty

PANEL DISCUSSION



16.30 – 17.10

AMPHITHEATRE ABC

... DEVICES IN CHF

MODERATOR / Sujith Shetty

PANELISTS / Nicolas Borenstein / David Israeli / Howard Levin

/ Markus Ferrari

PANEL DISCUSSION



17.10 – 17.50

AMPHITHEATRE ABC

... INVESTMENTS & FUNDING

MODERATOR / Florian Ludwig

PANELISTS / Glenn Van Langenhove / Yuval Binur / Todd Brinton

/ Alexander Schmitz

PANEL DISCUSSION



17.50 – 18.20

AMPHITHEATRE ABC

KEYNOTE LECTURE

Medical technology innovation: the intersection of engineering, medicine, and business / Todd Brinton



18.20 – 19.30

EXHIBITION AREA

GET TOGETHER



FOCUS WORKSHOP D-HF

Moderated e-poster session	32
Pathogenesis and treatment of heart failure with preserved ejection fraction: splanchnic bed is a novel target	32
Telemedicine in heart failure	32
Valve interventions in patients with heart failure	33
Interventions for LV reconstruction and support	34
Interatrial shunts	34
Durable mechanical circulatory support	35
Acute mechanical circulatory support	35
Emerging technologies	36



SATURDAY, DECEMBER 14



D-HF



SATURDAY

07.00 – 09.45

D-HF



07.00 – 08.00

EXHIBITION AREA

BREAKFAST AND MODERATED E-POSTER SESSION

MODERATORS / Gry Dahle / Rolf Wachter / Kolja Sievert

DISCUSSION



08.00 – 08.50

AMPHITHEATRE ABC

PATHOGENESIS AND TREATMENT OF HEART FAILURE WITH PRESERVED EJECTION FRACTION: SPLANCHNIC BED IS A NOVEL TARGET

MODERATORS / Howard Levin / Zoar Engelman

PANELISTS / Marat Fudim / Philip Adamson

Overview of potential therapies for HFpEF / Howard Levin

Contribution of volume shifts in the progression of
HFpEF: CardioMEMS as a method of HFpEF detection

/ Philip Adamson

Role of the splanchnic bed in the pathogenesis and
treatment of heart failure / Marat Fudim

DISCUSSION



08.50 – 09.45

AMPHITHEATRE ABC

TELEMEDICINE IN HEART FAILURE

MODERATORS / William Abraham / Stefan Anker

PANELISTS / Abraham Lorber / Alexander Rothman / Kenneth Stein

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

Benefits of remote comprehensive heart failure
management including PAP treatment guidelines

/ Alexander Rothman

Vectorious / William Abraham

HeartLogic / Kenneth Stein

ReDS technology and clinical applications / John Cleland

DISCUSSION



09.45 – 10.15
EXHIBITION AREA

TEA AND COFFEE BREAK



10.15 – 12.15
AMPHITHEATRE ABC

VALVE INTERVENTIONS IN PATIENTS WITH HEART FAILURE

MODERATORS / Nicolas Van Mieghem / Hueseyin Ince

PANELISTS / Bernard lung / Stefan Anker / Gry Dahle

/ Osama Soliman / Stephan von Bardeleben / Horst Sievert

Effects of mechanical circulatory support in AS and
LV dysfunction / Daniel Burkhoff

Lessons learned about the tricuspid valve / Gry Dahle

Pulmonary valve implantation: When is it too early? Is it
ever too late? / Nikolaus Haas

Complex case presentation: improving patient outcomes
and quality of life with the Carillon Mitral Contour System
/ Murat Yildiz

MitraClip works in heart failure and FMR, at least in some
patients – insights from MITRA-FR / Bernard lung

Update on RESHAPE-HF2 / Stefan Anker

When to prefer other catheter based FMR technology
over MitraClip / Stefan Anker

Update on REDUCE FMR / Horst Sievert

Recorded case: Carillon annuloplasty / Kolja Sievert

ROUND TABLE DISCUSSION





SATURDAY

12.15 – 14.35

D-HF



12.15 – 12.50

AMPHITHEATRE ABC

INTERVENTIONS FOR LV RECONSTRUCTION AND SUPPORT

MODERATORS / Gry Dahle / Martin Swaans / Neil Wilson

PANELISTS / Tudor Poerner / Daniel Burkhoff

What is the role of mitral regurgitation in ischemic heart disease? / Tudor Poerner

Revivent for minimal invasive treatment of anterior wall scar / Martin Swaans

Ancora for minimal invasive treatment of LV dysfunction w/wo mitral regurgitation / Daniel Burkhoff

DISCUSSION



12.50 – 13.05

EXHIBITION AREA

PICK UP YOUR LUNCHBOX



13.05 – 14.35

AMPHITHEATRE ABC

INTERATRIAL SHUNTS

MODERATORS / William Abraham / Martin Bergmann

PANELISTS / Chaim Lotan / Nikolaus Haas / Felix Mahfoud

The importance of exercise hemodynamics in HF patient selection/device evaluation / Daniel Burkhoff

Corvia Medical IASD clinical result / Daniel Burkhoff

V-Wave / Stefan Anker

AFR for heart failure / Nikolaus Haas

Occlutech AFR – PRELIVE trial results / Felix Mahfoud

Interesting cases / Martin Bergmann

Noya / Chaim Lotan

InterShunt / Horst Sievert

DISCUSSION



14.35 – 15.45

AMPHITHEATRE ABC

DURABLE MECHANICAL CIRCULATORY SUPPORT

MODERATORS / Navin Kapur / Nir Uriel

PANELISTS / Neil Wilson / Jaime Hernandez-Montfort

/ Duc Thinh Pham / Daniel Burkhoff / Jiri Maly / Osama Soliman

State of the art for durable MCS / Nir Uriel

Optimizing mechanical circulatory support to promote cardiac recovery / Carl Botterbusch

HeartMate III / Robert Kormos

Leviticus / Jiri Maly

Corinnova / George Letsou

PulseVAD for HFpEF / Arnt Fiane

Impella 5.5 / Arjang Ruhparwar

Medtronic innovations in durable MCS / Duc Thinh Pham

DISCUSSION



15.45 – 16.15

EXHIBITION AREA

TEA AND COFFEE BREAK



16.15 – 17.25

AMPHITHEATRE ABC

ACUTE MECHANICAL CIRCULATORY SUPPORT

MODERATORS / Navin Kapur / Daniel Burkhoff

PANELISTS / Markus Ferrari / Gry Dahle / Sandeep Nathan

/ Duc Thinh Pham / Nicolas Van Mieghem / Nir Uriel

State of the art for acute MCS: hemodynamics and hemodynamic support / Navin Kapur

Rotary flow MCS devices

- Impella innovation updates / Armin Klesius
- Perkat LV device / Markus Ferrari
- LivaNova technology update / Chris Dacey
- SecondHeart / Leslie Miller
- Procyron Aortix / Jace Heuring
- Right ventricular support in 2020 / Navin Kapur

DISCUSSION





17.25 – 18.25

AMPHITHEATRE ABC

EMERGING TECHNOLOGIES

MODERATORS / Navin Kapur / Daniel Burkhoff

PANELISTS / Markus Ferrari / Gry Dahle / Sandeep Nathan
/ Duc Thinh Pham / Nicolas Van Mieghem / Nir UrielTargeting the interstitial space for decongestion in ADHF:
the WhiteSwell approach / William AbrahamNatriuretic phenomenon of the Doraya catheter
/ Robert Zymlinski

Precardia / Daniel Burkhoff

Teleflex IABP / Nicolas van Mieghem

The forgotten indication for IAB therapy / Sandeep Nathan
Aalst experience with the TRVD system / Marc Vanderheyden

DISCUSSION

18.25 – 18.30

AMPHITHEATRE ABC

CLOSING REMARKS AND THANK YOU

**WE WANT TO HEAR
YOUR OPINION!**



Please complete our survey:

www.csi-congress.org/dhf/dhf-evaluation



SCIENTIFIC ABSTRACTS

D-HF

GO ONLINE ...

All abstracts and cases are available
for download on the CSI website:

www.csi-congress.org/dhf-abstracts



CSI FOCUS D-HF 2019 ABSTRACTS OVERVIEW



Below is a list of the abstracts and cases that were accepted for D-HF 2019. The moderated e-poster session will take place on Saturday, from 7.00 – 8.00 in the industry exhibition.

Safety and feasibility of transcatheter renal venous decompression (TRVDTM) in patients with acute decompensated heart failure: first-in man experience / Marc Vanderheyden / Jozef Bartunek / Ehud Schwammenthal

Prediction of the impact of IAS on hemodynamics using a circulatory equilibrium framework in dogs with heart failure / Takuya Nishikawa / Keita Saku / Kiyoshi Uike / Kazunori Uemura / Kenji Sunagawa / Hiroyuki Tsutsui / Masaru Sugimachi

Transcatheter papillary muscle repositioning / Boaz Manash / Horst Sievert

Carotid baroreceptor stimulation reduces pulmonary arterial remodeling and improves right ventricular function in rats with monocrotaline-induced pulmonary arterial hypertension / Mingwei Bao / Jing Wang / Qiao Yu / Mingyan Dai / Quan Cao / Ling Shu / Biao Ning / Bangwang Hu / Dilin Dai

Home monitoring is associated with fewer gastrointestinal bleeding events following ventricular assist device implantation / Angeliki Gkouziouta / Dimitrios Miliopoulos / Dimitrios Zarkalis / Michael Bonios / Sokratis Fragkoulis / Stamatis Adamopoulos / Nektarios Kogerakis

Biventricular assist devices utilization is a justifiable strategy for advanced biventricular heart failure patients in a low organ donation environment / Angeliki Gkouziouta / Dimitrios Miliopoulos / Dimitrios Zarkalis / Stamatis Adamopoulos / Nektarios Kogerakis

Ventricular tachycardia patterns in patients with ventricular assist devices / Angeliki Gkouziouta / Dimitris Miliopoulos / Nektarios Kogerakis / Stamatis Adamopoulos

Ventricular arrhythmias in patients supported with left ventricular assist devices / Angeliki Gkouziouta / Dimitrios Miliopoulos / Anna Kostopoulou / Michael Spartalis / Michael Bonios / Dimitrios Zarkalis / Sokratis Fragkoulis / Efthimios Livanis / Vasileios Voudris / Stamatis Adamopoulos / Nektarios Kogerakis

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