

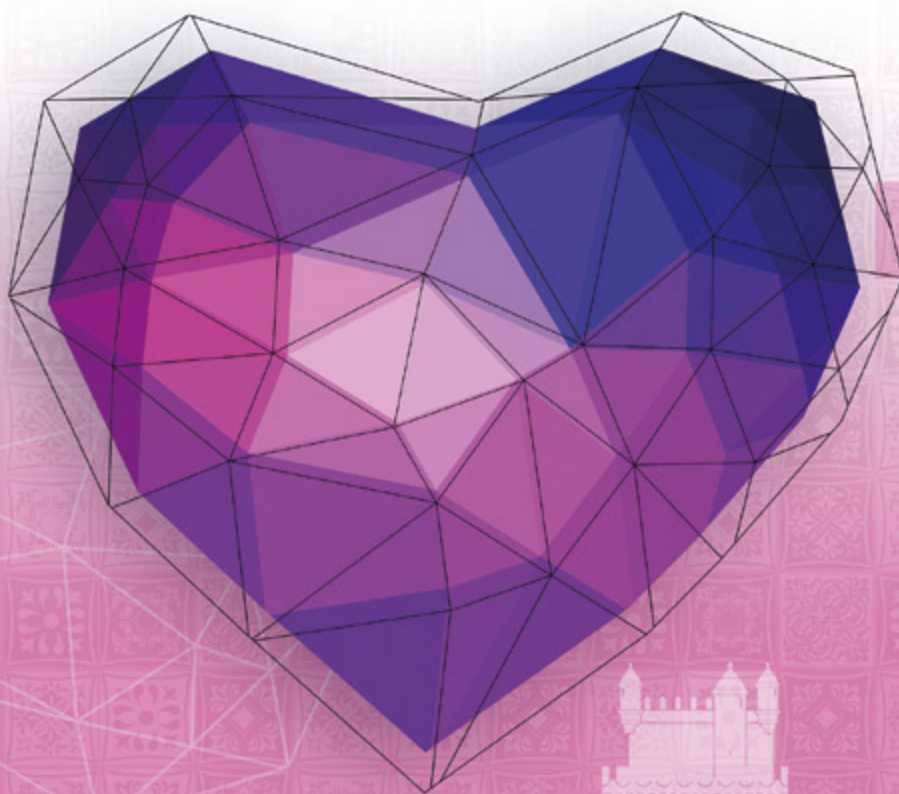


EACVI

European Association of
Cardiovascular Imaging

EuroEcho Imaging 2017

21st Annual Meeting of the European Association of Cardiovascular Imaging (EACVI), a registered branch of the ESC,
in cooperation with the Portuguese Working Group of Echocardiography.



Final Programme

as of 20 November 2017

Lisbon – Portugal
6–9 December 2017

www.escardio.org/EACVI



ESC

European Society
of Cardiology

Welcome Letter

Welcome to EuroEcho-Imaging 2017 in Lisbon, Portugal!

EuroEcho-Imaging is the flagship of the European Association of Cardiovascular Imaging (EACVI) and the world's largest cardiovascular imaging congress.

This year's main themes are **imaging in heart failure and interventional imaging**.

EuroEcho-Imaging will create an exciting forum, in which both clinicians and scientists can present and discuss **the most up-to-date research and clinical findings** on the broader **spectrum of echocardiography alongside with the other cardiovascular imaging modalities**. Cardiologists, physicians from other specialties and imagers who use these cardiac and vascular imaging techniques will interact to discuss how to ideally use all the capabilities offered by these techniques and how to further develop them in the near future.

An educational track will run throughout the congress, featuring several specifically designed courses and sessions. Young cardiologists and researchers will be stimulated and supported through the three **Young Investigator Award competitions** (clinical, basic science, clinical case). Also, dedicated initiatives will reward the **best original research**.

However, EuroEcho-Imaging is more than just education and science. It is also a fantastic opportunity to meet the greatest experts in cardiovascular imaging in the world, to exchange ideas and projects with colleagues who share the same clinical or scientific interest coming from all over the world.

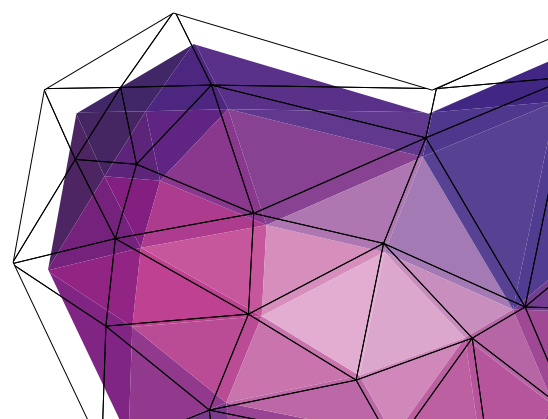
Thank you for being with us in Lisbon, we look forward to seeing you in the coming days.



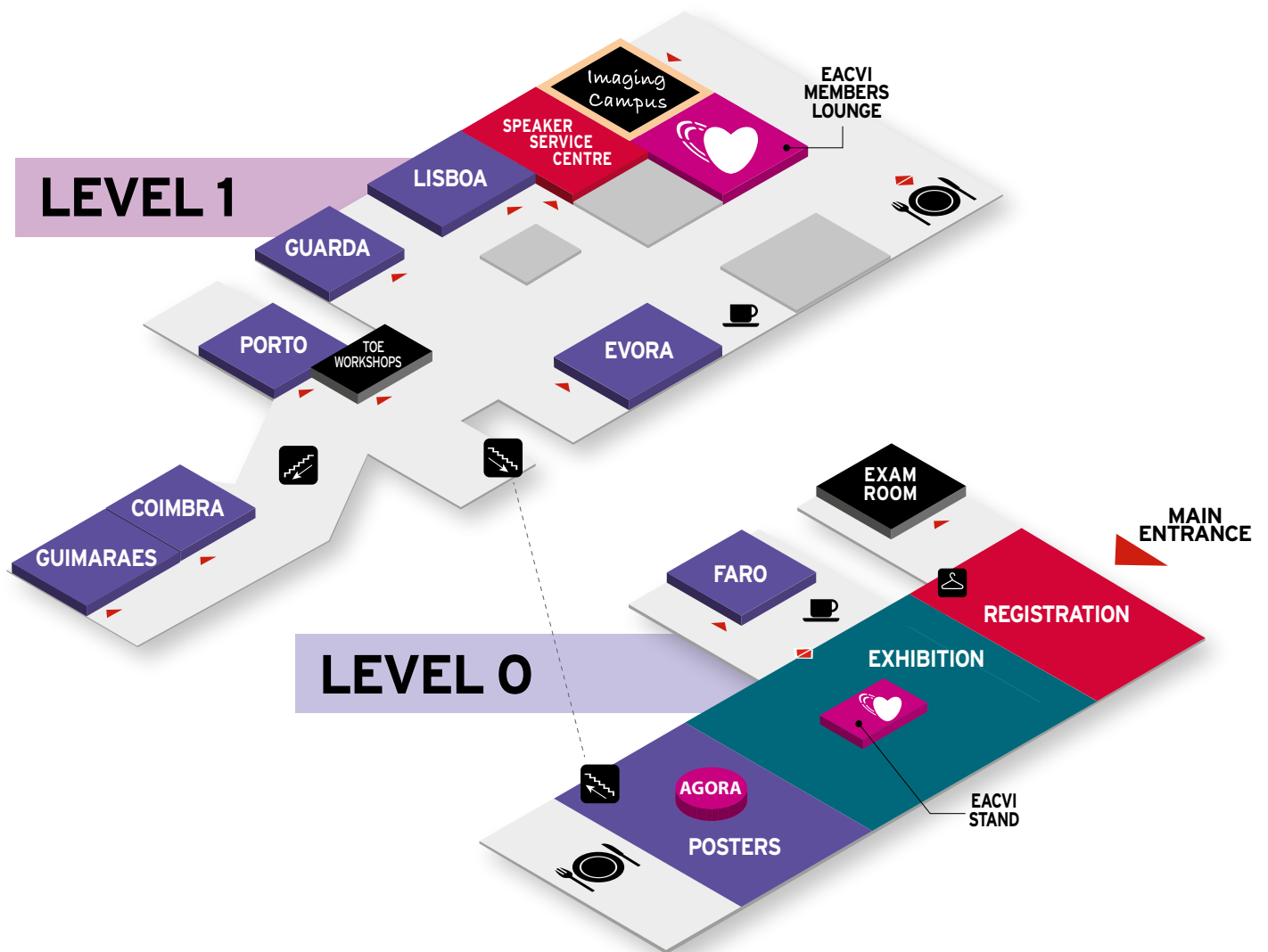
Prof. Bogdan A. Popescu
EACVI President



Prof. Erwan DONAL
EuroEcho-Imaging Scientific Chair



Building Overview





EACVI

European Association of
Cardiovascular Imaging



EACVI SILVER MEMBERSHIP for 100€ only during the congress*

*Instead of 156€ for the 2018 membership. Restricted to paying EuroEcho-Imaging 2017 delegates. Not applicable to day ticket holders.

...see you at the EACVI stand

**WANT
MORE?**

Mix and match the ESC membership packages that best suit your needs for unique savings and benefits.



ESC

European Society
of Cardiology

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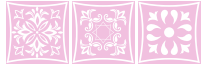
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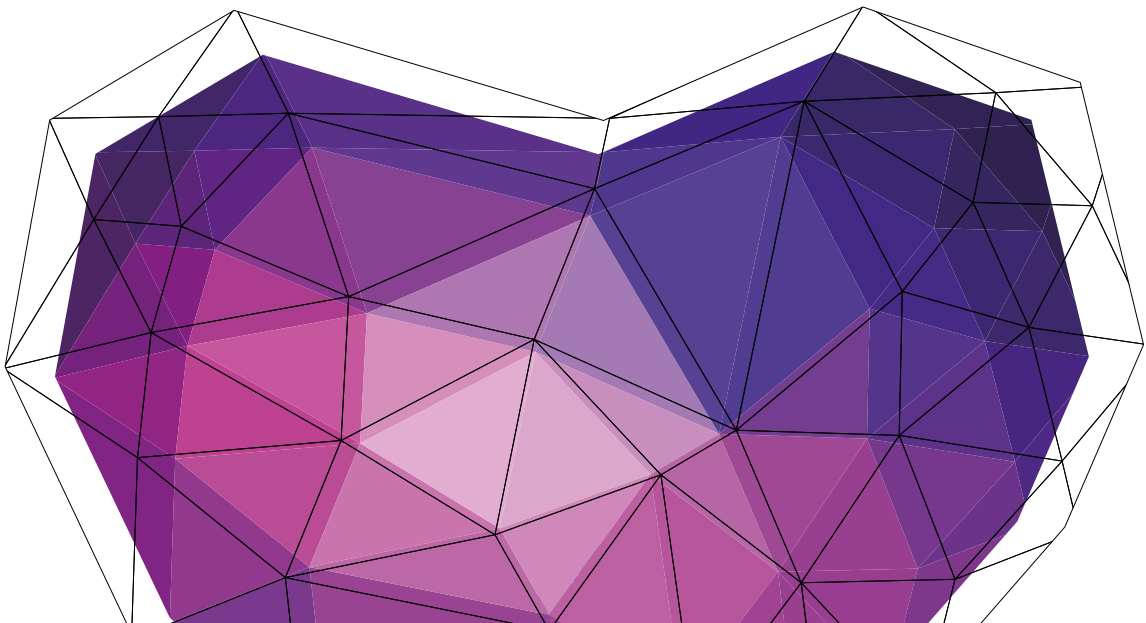
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EuroEcho Imaging2017



About the Congress



EuroEcho-Imaging 2017 Committees

Executive Board Members



EACVI

European Association of
Cardiovascular Imaging

 European Society of Cardiology

EACVI President 2016 - 2018

Prof. Bogdan Alexandru Popescu, FESC
(Bucharest, RO)

EACVI President-Elect

Thor Edvardsen, FESC
(Oslo, NO)

EACVI Past-President

Prof. Gilbert Habib, FESC
(Marseille, FR)

EuroEcho-Imaging Scientific Programme Committee

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Edvardsen T. (NO)

Scientific Programme Director

Magne J. (FR)

Scientific Programme Advisors

Galli E. (FR)

Cosyns B. (BE)

Chair - CMR Section

Bucciarelli-Ducci C. (UK)

Scientific Programme Director CMR Section

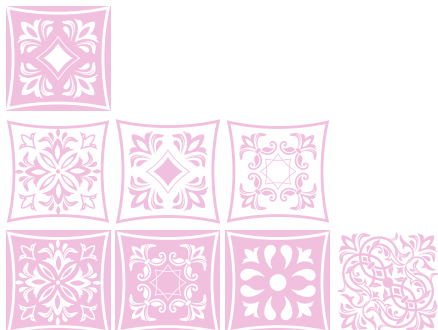
Petersen S. (UK)

Chair - Cardiac CT & Nuclear Section

Gaemperli O. (CH)

Scientific Programme Director Cardiac CT & Nuclear Section

Gimelli A. (IT)



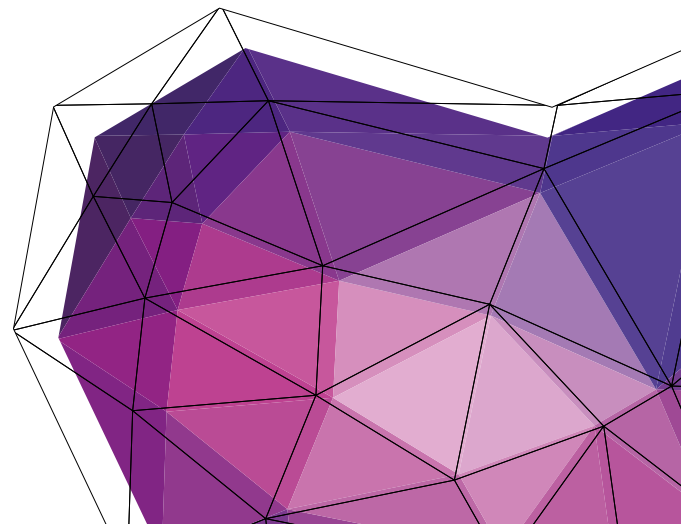
EuroEcho-Imaging 2017 Advisors

Scientific Committee Advisors

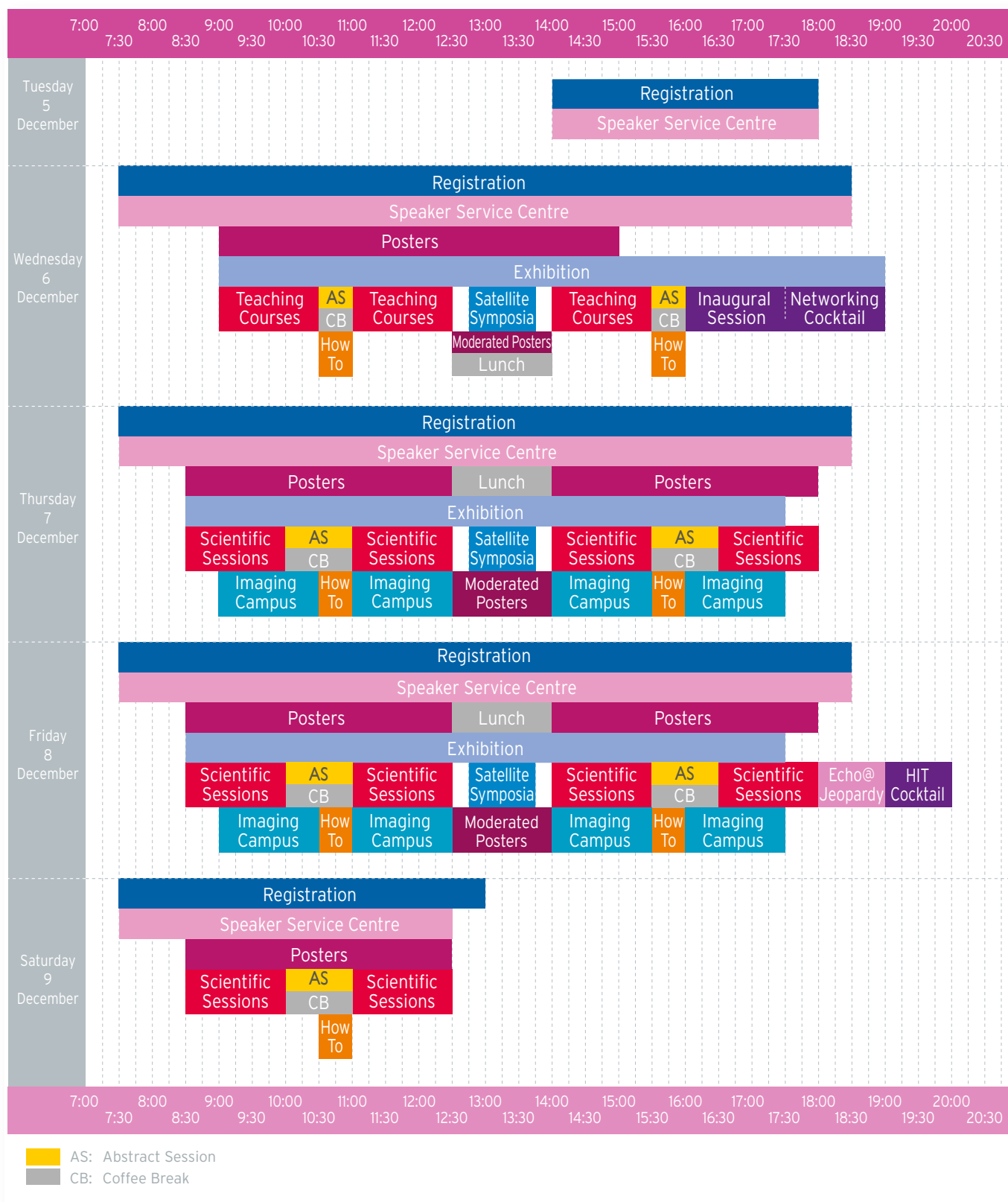
Agricola E. (IT)	Liel Cohen N. (ISR)
AL Ahmari S. (SAU)	Miller O. (UK)
Badano L. (IT)	Monaghan M. (UK)
Bergler-Klein J. (AU)	Muraru D. (IT)
Budts W. (BE)	Nakatani S. (JP)
Charron P. (FR)	Neskovic A. (SER)
de Alcantara M. (BR)	Nihoyannopoulos P. (UK)
Erol C. (TR)	Pibarot P. (CA)
Flachskampf F. (SE)	Rigolin V. (USA)
Galderisi M. (IT)	Sade E. (TR)
Garbi M. (UK)	Senior R. (UK)
Habib G. (FR)	Separovic Hanzevacki J. (CR)
Hagendorff A. (DE)	Sicari R. (IT)
Haugaa K. (NO)	Sitges M. (ES)
Jurcut R. (RO)	Swaans M. (US)
Kamp O. (NL)	Vannan M. (US)
Karatasakis G. (GR)	Varga A. (HU)
Kasprzak J. (PL)	Vinereanu D. (RO)
Klein A. (US)	Voigt JU. (BE)
Lafitte S. (FR)	Yiangou K. (CY)
Lancellotti P. (BE)	Zamorano JL. (ES)

ACKNOWLEDGEMENT

The EACVI Scientific Programme Committee takes the opportunity to thank all volunteers involved in the development of this year's edition of EuroEcho-Imaging congress: committee members, abstract reviewers, international partners, faculty and congress reporters.

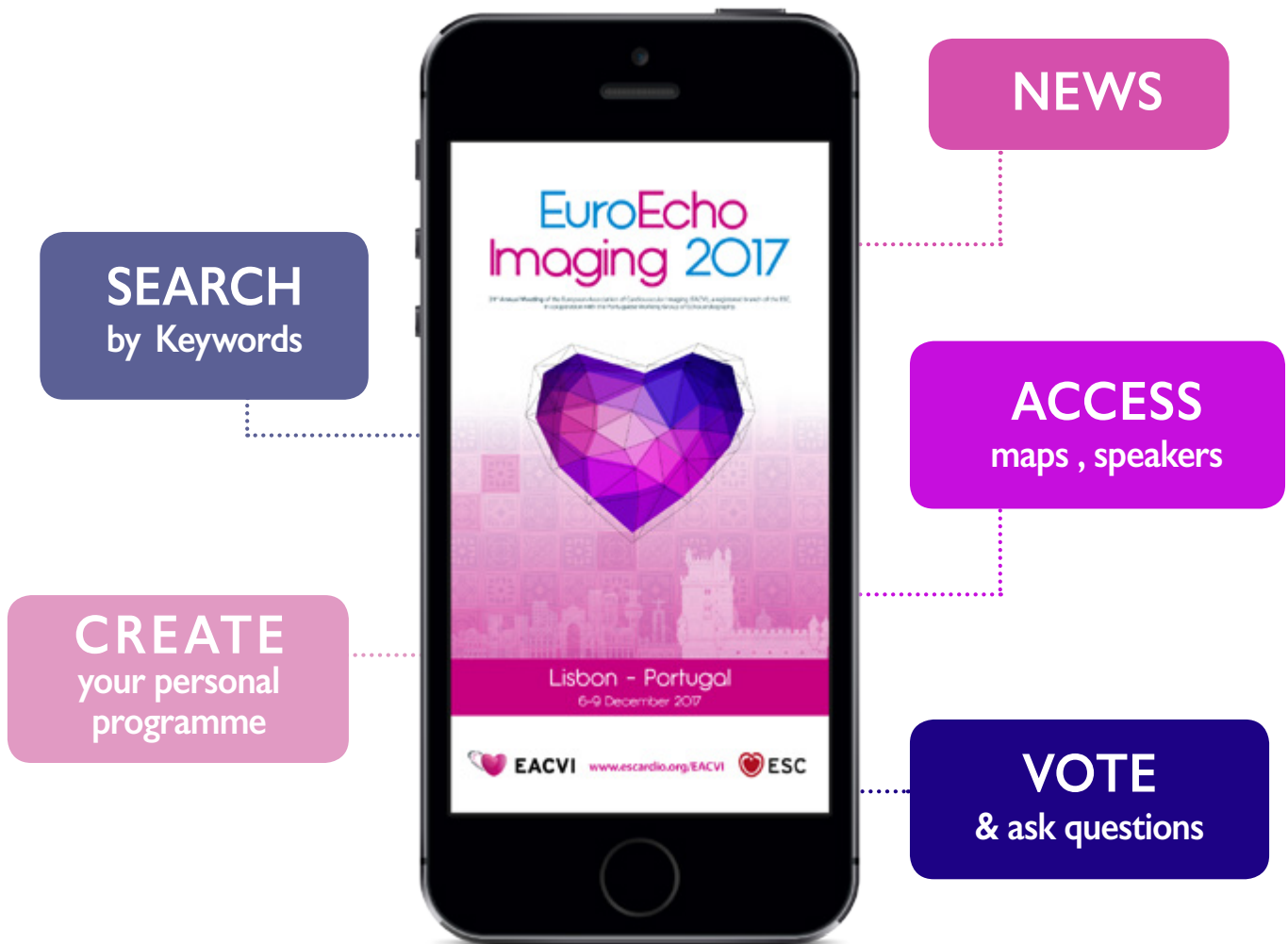


Congress Timetable





Download EuroEcho-Imaging 2017 Mobile App



Search for 'EuroEcho2017'
in App Store® / Google Play

Congress Resources

Ensure you make the most of your congress experience with the whole range of resources you can use before, during and after the congress.



www.escardio.org/EACVI

Get the most up-to-date information with the
Scientific Programme & Planner!

Before the congress: Prepare your attendance by creating your personalised programme and review abstracts online (available for consultation one week before the congress).

During the congress: Search for sessions by topics or presenters and access any scientific content 24 hours after presentation time.

Computer stations are available at the internet corner in the Poster Area to consult the Scientific Programme & Planner.

Missed a session?

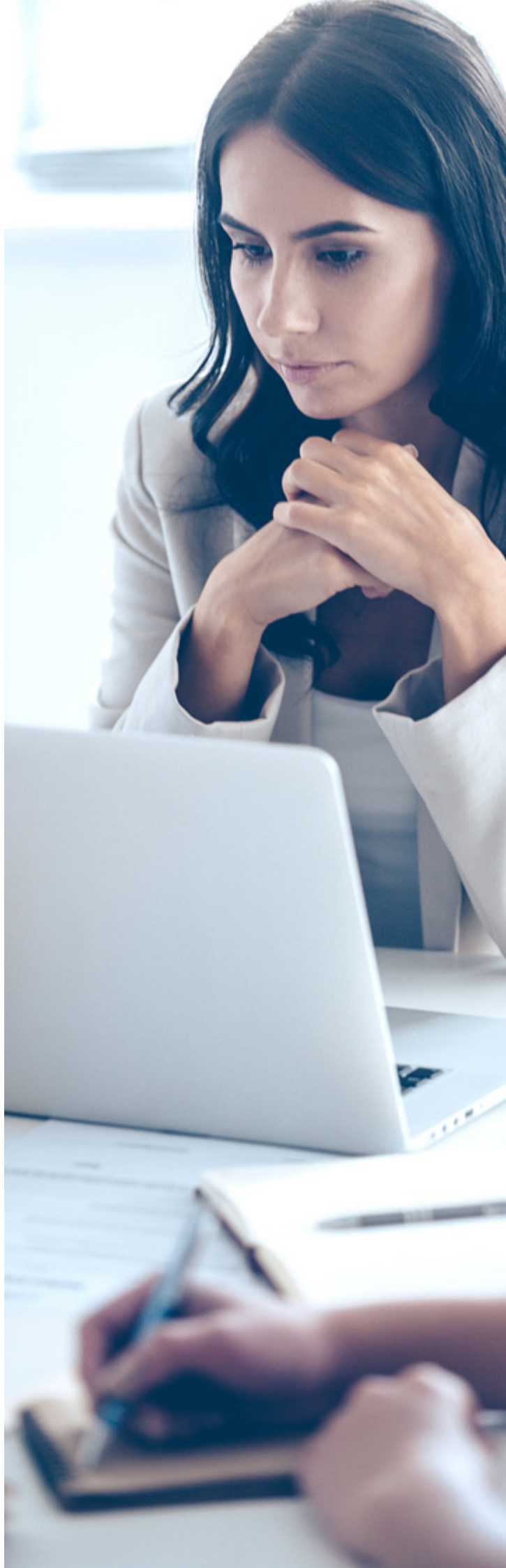
After the congress, resources will be available to Silver and Gold EACVI Members.

To access exclusive benefits and consult slides, screen casts and abstracts all year long, make sure you become a Silver or Gold EACVI member as these are exclusive benefits. To become a member, come to the EACVI stand and ask all about it.

Benefit from a special offer on the EACVI Silver membership level, exclusive to EuroEcho-Imaging 2017 paying delegates from 6 to 9 December 2017.

All scientific content at your fingertips in the e-Library stations located in the Poster Area

All selected abstracts and electronic posters are available for consultation and all slide presentations will be available 24 hours after presentation time.



Pick up your free daily Congress News

Read about the scientific highlights of the day, find exclusive scientific articles and other daily news.

Congress Reports

For unbiased scientific opinions on key sessions and presentations, read the EuroEcho-Imaging 2017 Congress Reports and discover the views of some of Europe's most well-known experts. These reports are prepared on-site by our voluntary reporters and published online every day on www.escardio.org/EACVI

Practical Information

Internet connection

Free wifi is available at the congress centre. However please note that connectivity is subject to the volume of users.

Wifi name: eei-congress

In the poster area

Charging stations for your mobile
e-Library to consult slides and abstracts
Internet corner to browse your scientific programme
Mobile app stations to access the "EuroEcho2017" Mobile App

Certificates

For attendance - available from the registration desks as of Friday 8 December

For presentation - available for abstract presenters at the poster assistance desk in the poster area

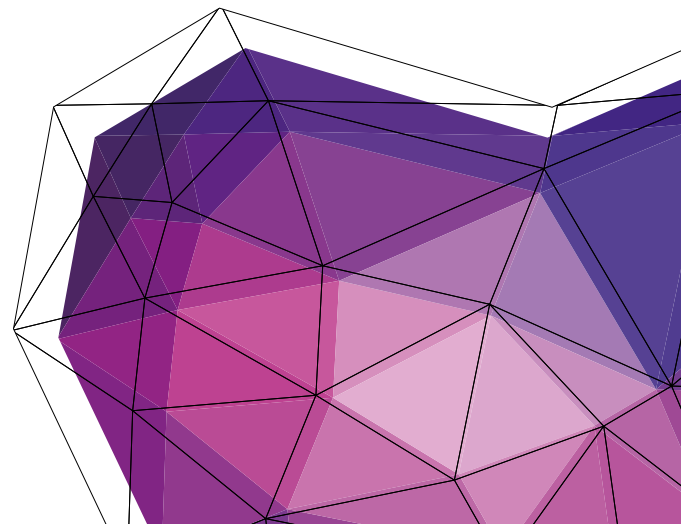
Continuing medical education (CME)

EuroEcho-Imaging 2017 is currently under review by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists.

The EACCME is an institution of the European Union of Medical Specialists (UEMS), www.uems.net.

Language

The official language during the congress is English.
No translation is available.





DON'T MISS

Inaugural Session

Wednesday 6 December, 16:00 - 17:30, room Lisboa

Featuring the Edler lecture by Professor Thomas H. Marwick on "Recognizing the elephant in the room. Quality control in imaging". Join us afterwards at the EACVI stand for the Networking Reception.

EACVI General Assembly

Friday 8 December, 10:00-11:00 room Guardia

Updates on the latest achievements and future developments of the association. All EACVI members are welcome to attend.

EACVI HIT Cocktail (Heart Imagers of Tomorrow)

Friday 8 December from 19:00, opposite the EACVI Members' Lounge

Silver and Gold EACVI Members under 38 years old or under 40 years old in training are invited to exchange and meet the EACVI Board members.

Pre-Arranged Programme

Dedicated Sessions for the Young Community Recommended by the EACVI HIT (Heart Imagers of Tomorrow)

The EACVI Heart Imagers of Tomorrow committee has carefully selected sessions that are not to be missed for the young community, such as:

- **How To Sessions**

Sessions where experts share their tips on practical topics for young doctors such as “How to write a good abstract”...
Every day during the coffee breaks in room Porto

- **The best of 2017 HIT**

A session coordinated by the EACVI young researchers who will present their extensive reviews on what has been presented in 2017 in imaging.

Friday 8 December, 08:30 - 10:00, room Evora

- **Workshop on Transoesophageal Echocardiography (TOE) by EACVI HIT:**

Sessions will run 2 times per day on Wednesday and 4 times per day on Thursday and Friday in the TOE Room.

- **“Critical care echocardiography”**

Thursday 7 December: 11:00-12:30, room Guarda

- **“Hot topics in valvular heart disease”**

Thursday 7 December: 16:30-18:00, room Evora

EACVI HIT recommended sessions

- **HIT the Case!**

10 Young clinicians will present their cases during this Clinical case session.

Joint Sessions

To address the multi-disciplinary approach in cardiovascular imaging, sessions are organised in collaboration with:

ESC Communities:

- Heart Failure Association (HFA of the ESC)



EACVI National and Affiliated Societies:

- American Society of Echocardiography (ASE)
- Asia-Pacific Association of Echocardiography (AAE)
- Asociación de Ecocardiografía e Imagen Cardiovascular de la Sociedad Interamericana de Cardiología (ECOSIAC)
- Canadian Society of Echocardiography (CSE)
- Cardiovascular Imaging Department of the Brazilian Society of Cardiology
- Indian Academy of Echocardiography (IAE)
- Italian Society of Echocardiography and Cardiovascular Imaging (SIECVI)
- Korean Society of Echocardiography (KSE)
- Nordic Working Group on Echocardiography
- Saudi Heart Association (SHA)
- Turkish Working Group of Cardiac Imaging
- Working Group of Echocardiography of the German Cardiac Society
- Working Group of Echocardiography of the Hellenic Cardiological Society
- Working Group on Echocardiography and other Imaging modalities of the Romanian Society of Cardiology

Hightech Corner Sessions

Session focusing on the most up-to date technology

Friday and Saturday, 10:00 - 11:00, room Agora

Echo@Jeopardy

Friday 8 December, 18:00 - 19:00, room Lisboa

We are turning the popular Jeopardy game into a cardiovascular imaging challenge

EuroEcho-Imaging 2017 Highlights

Saturday 9 December, 11:00-12:30, room Porto

Experts will summarise the best findings of the congress and provide essential take-home messages

Cardiac Imaging Quiz Sessions

Thursday and Friday, 10:00 to 11:00, room Lisboa

Discussions around practical cases by the experts who will call upon the audience in regards to the management of the case. The audience has the opportunity to vote and ask questions directly via the EuroEcho-Imaging 2017 Mobile Application during this highly interactive session

Abstracts & Clinical Cases Programme

Young Investigator Award (YIA) Sessions

Thursday 7 December, Agora

- 10:00 - 11:00: Basic Science
- 15:30 - 16:30: Clinical Science - The Roelandt's Young Investigator Award

Friday 8 December, Evora

- 14:00 - 15:30: The research in imaging in the world - EuroEcho-Imaging Lecture
Featuring the EuroEcho Lecture by Professo Philippe Pibarot on: "Why and how cardiac imaging has revolutionized the management of aortic stenosis"
The young investigator awardees 2017 from USA (American Society of Echocardiography-ASE) and Japan (Japanese Society of Echocardiography-JSE) will present their winning research

Rapid Fire Abstracts

Wednesday to Saturday in the Agora

Fast-paced and interactive oral presentations on research highlights, followed by discussions animated by two experts chairing the session!

Clinical Case Sessions

Sharing challenging clinical cases to learn and exchange!

Contact Details

EuroEcho-Imaging congress is only accessible
to certified healthcare professionals.



EACVI

European Association of
Cardiovascular Imaging



European Society of Cardiology

Annual multi-imaging congress of the
European Association of Cardiovascular Imaging (EACVI),
a Registered Branch of the ESC

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Email: euroecho@escardio.org

Website: www.escardio.org/euroecho



Venue

Centro de Congressos de Lisbon
Praça de Indústrias
1300-307 Lisbon, PT

Tel.: +351 21 892 1400

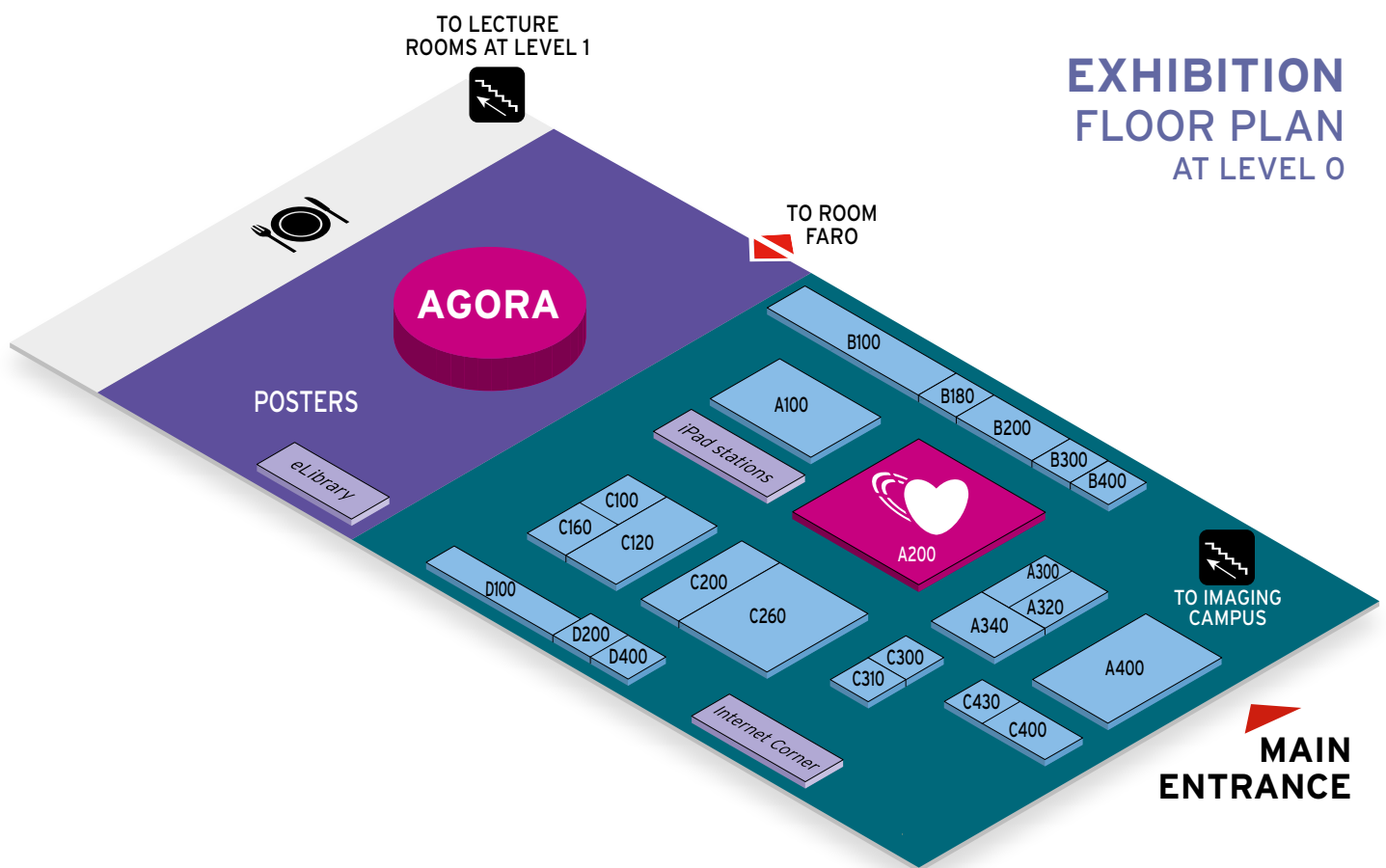
www.lisbonvenues.pt/centro-de-congressos-de-lisboa

Industry at EuroEcho-Imaging 2017

The fight against cardiovascular disease is a shared mission. Our industry partners offer a rich educational programme to delegates throughout the congress. Discover the wide variety of activities from educational sessions to stand activities.

Exhibition

The exhibition is an integral part of the congress. The exhibition provides delegates with the opportunity to exchange with key industry experts on critical areas of development and research in cardiovascular products and therapies. The exhibition will be a central hub for scientific discussion and exchange during the congress.



EXHIBITION OPENING HOURS

Wednesday 6 December

09:00 - 17:30

Thursday 7 December

Friday 8 December

08:30 - 17:30

Acknowledgements

Exhibitors

3D Systems Simbionix.....	C430	Philips Medical Systems NL BV.....	A100
American Society of Echocardiography.....	B200	Servier Affaires Medicales.....	B180
Bioscientifica.....	D400	Siemens Healthcare GmbH.....	C260
Bracco Suisse SA.....	C400	Sociedad Nacional de Ecocardiografia	
EACVI/ESC.....	A200	de México (SONECOM).....	C160
GE Healthcare GmbH.....	A400	TOMTEC IMAGING SYSTEMS GMBH.....	C200
HeartWorks by MedaPhor Ltd.....	B400	Toshiba Medical Systems Europe BV.....	C120
HITACHI Medical Systems Europe AG.....	B100	Tristel Solutions Limited.....	A340
Lantheus Medical Imaging Inc.....	A320	Ultraling Healthcare Solutions Inc.....	C300
Medical Simulation Technologies.....	B300	Usono B.V.....	C100
Medis Medical Imaging Systems BV.....	A300	Ventripoint Diagnostics Ltd.....	C310
Oxford University Press.....	D200	Wisepress Online Bookshop Ltd.....	D100

Satellite Symposia

Delegates are cordially invited to attend a series of Satellite Symposia included in the EuroEcho-Imaging 2017 Scientific Programme. These sessions will offer pertinent data on the latest scientific development in cardiovascular imaging from the industry.

For further information, please refer to the Scientific Programme daily sections, the Scientific Programme & Planner and the Mobile App.

Imaging Campus

The Imaging Campus offers delegates a unique opportunity for practical training and hands-on learning from industry experts in an intimate setting, allowing them to address specific issues essential to your daily practice. Central Registration Management Desk onsite. Sign up now at the dedicated desk located in front of the Imaging Campus.

Seats are limited!



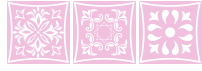
For further information, please refer to the Scientific Programme daily sections, the Scientific Programme & Planner and the Mobile App.

- Abbott/Philips
- Philips
- GE Healthcare
- Tomtec

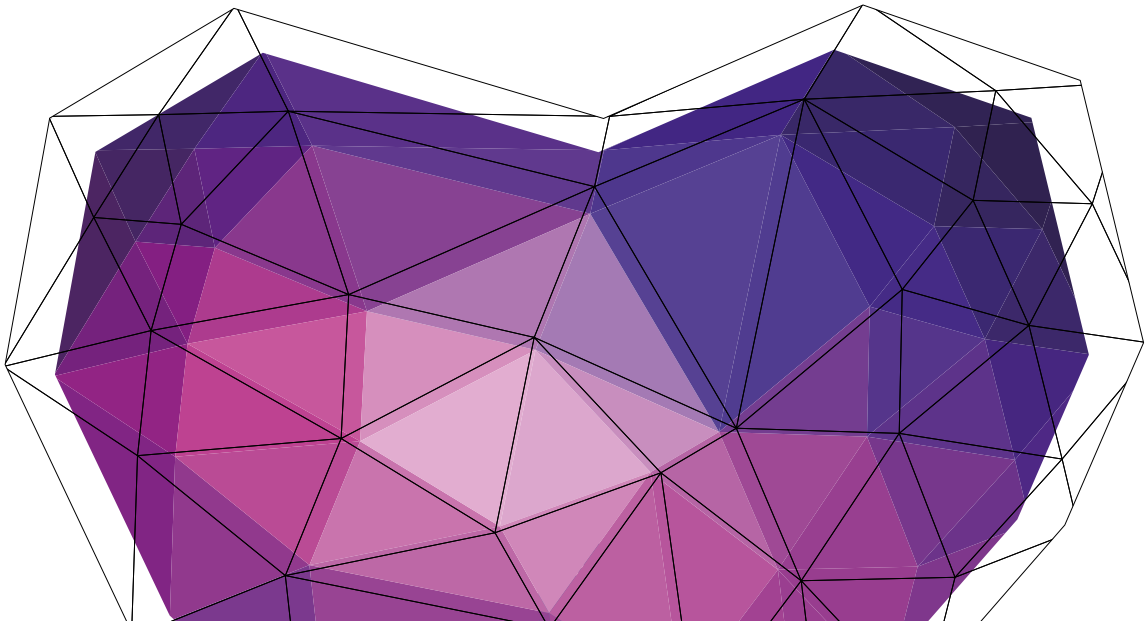
Sponsorship

The ESC gratefully acknowledges the following organizations which have contributed to the success of EuroEcho-Imaging 2017 via educational grant, support of delegate services materials and other sponsorship opportunities.

EuroEcho Imaging2017



Overview by Session



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Teaching Courses

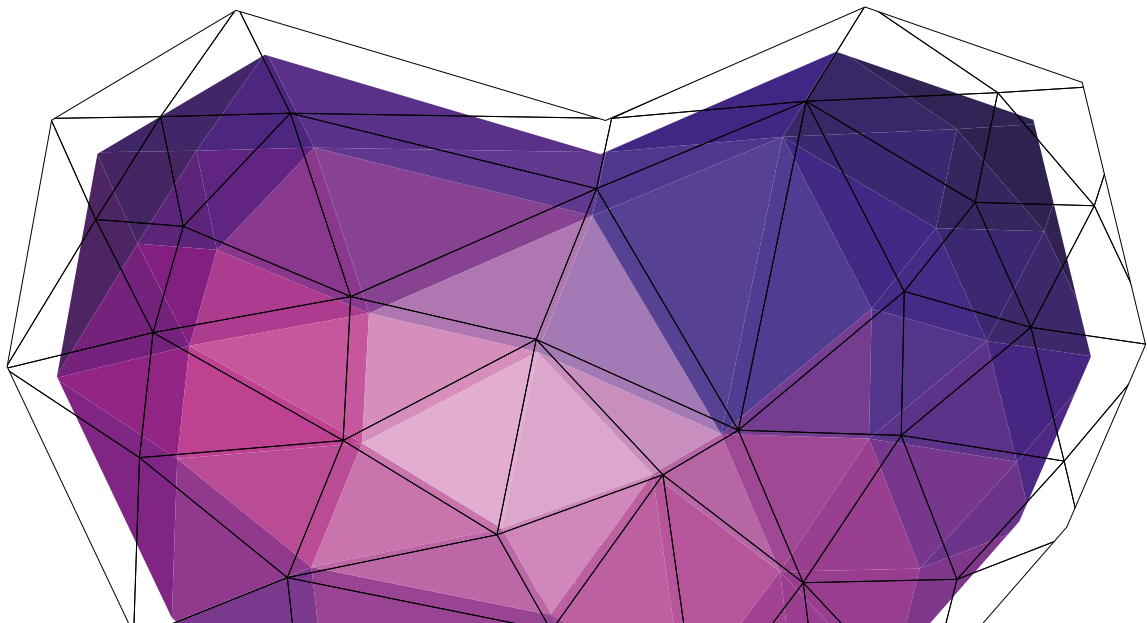
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About the European Association of Cardiovascular Imaging (EACVI)



About the ESC



The European Association of Cardiovascular Imaging (EACVI) is a registered branch of the ESC. The European Society of Cardiology (ESC) is a not-for-profit medical society led by volunteers. Our mission is to reduce the burden of cardiovascular disease.

Through our global network of **56 Member National Cardiac Societies** and **43 Affiliated Cardiac Societies** we identify cardiovascular trends, address inequalities and share best practices to improve standards of care for patients.

The ESC counts **95 000 members** from across the globe, including over **4 000 distinguished Fellows** of the ESC. We cover the full spectrum of cardiology through our 27 subspecialty communities, giving us a unique perspective on all areas of cardiovascular science. The **European Association of Cardiovascular Imaging** is a registered branch of the ESC.

What we do

We provide our members and the global cardiology community with the support and tools they need to deliver the best possible care. In addition to the publication of **12 scientific journals**, a variety of **textbooks** and internationally respected **ESC Clinical Practice Guidelines**, we do this through five strategic focus areas:

CONGRESSES

- ESC Congress - the world's largest cardiovascular meeting
- Nine subspecialty congresses, including EuroEcho-Imaging

EDUCATION

- Online and face-to-face learning
- Certification

RESEARCH

- Registries and data collection

ADVOCACY

- Fostering partnerships and providing expertise to shape policy

MEMBERSHIP

- Join the world's largest community of healthcare professionals fighting heart disease

Ethical integrity

The ESC adheres to the Alliance for Biomedical Research in Europe Code of Conduct to ensure objectivity, transparency and integrity.

Discover more about the ESC and how it can support you on the EACVI stand

The EACVI welcomes you to EuroEcho-Imaging 2017



EACVI

European Association of
Cardiovascular Imaging



European Society of Cardiology

The European Association of Cardiovascular Imaging (EACVI), a registered branch of the ESC, is a unified vibrant community gathering four imaging modalities under one entity (Echocardiography, Cardiovascular Magnetic Resonance, Nuclear Cardiology and Cardiac Computed Tomography). The EACVI is the world leading network of cardiovascular imaging experts, welcoming almost 10 000 professionals including cardiologists, sonographers, nurses, basic scientists and allied professionals.

Mission

To promote excellence in clinical diagnosis, research, technical development, and education in cardiovascular imaging.

Vision

The EACVI is a unified community of experts and a knowledge provider in Echocardiography, Cardiovascular Magnetic Resonance, Nuclear Cardiology and Cardiac CT modalities.

Values

The EACVI is committed to maintaining the highest standards of professional excellence in all cardiovascular imaging modalities, by providing an innovative educational platform and being research focused to meet the needs and expectations at any stage of its member's careers.

Structure

EACVI BOARD								
Cardiovascular Magnetic Resonance Section			Echocardiography Section			Nuclear Cardiology and Cardiac CT Section		
EACVI Committees								
Education	Web & Communication	Research & Innovation	Accreditation & Certification	International Communities	Membership	Congress Programme	Industry Round Table	Scientific Documents
								Heart Imaging of Tomorrow



EACVI

European Association of
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technicians and nurses.*

EACVI, the leading network of
Cardiovascular Imaging experts

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**conditions apply*

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ESC

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of Cardiology

The EACVI at a Glance

The EACVI is a vibrant community of almost **10 000 members** from all over the world

Congresses and events

Don't miss the four EACVI congresses and events:

- EuroEcho-Imaging 2018: 5-8 December
- EuroCMR, next edition: CMR 2018, 31 January-3 February
a joint EuroCMR/SCMR meeting
- ICNC 2019: 12-14 May (every 2 years)



Research

One of the priorities of the EACVI is to promote research, network and build-up large databases, in order to provide robust reference values especially for new technologies.

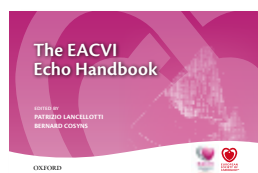
Scientific documents & publications

Over the years, the EACVI has published a significant number of documents. Many have been produced in collaboration with main players in the field of cardiovascular imaging and are published in the **European Heart Journal - Cardiovascular Imaging (EHJ-CI)**, the journal of the EACVI. Its impact factor went from 1.917 in 2008 to 5.99 in 2017.

The EACVI also produces textbooks, guides and booklets, a goldmine of information. The **EACVI Echo handbook** is a success and the **2018 Compendium** which gathers most of the scientific papers published by the EACVI in 2016 and 2017 has just been released.



European Heart Journal -
Cardiovascular Imaging (EHJ-CI)



Echo Handbook



2018 Compendium



Do you know that the EACVI produces printed abridged versions of its recommendations in a pocket format for a practical daily use? **EACVI abridged recommendations** contain the main messages from scientific documents in a concise format for a practical daily use. Titles available in English, Portuguese, French, Spanish, Chinese, Japanese and Turkish. Order your copies through your my ESC Account or visit the EACVI shop at the EACVI stand. Discounts are offered to Silver and Gold members.

A mobile app is also at your disposal:
**download for free the
EACVI Recommendations App.**



Laboratory Accreditation

The EACVI aims at raising the quality standards of equipment and practice across countries in a uniform manner. It is also designed as an educational tool to improve the overall quality of laboratories. EACVI Accredited Laboratories are centres of excellence and contribute actively to the EACVI research projects.

Individual Certification

The EACVI provides the only European certification of professional excellence in Echocardiography (TEE, TOE & CHD), Cardiovascular Magnetic Resonance (CMR and CMR CHD) and Nuclear Cardiology. The programme is designed to certify both practical experience and knowledge in these specialties.

A minimum of eight exams are organised each year. The exams schedule is available on the dedicated EACVI webpage.



Education

The EACVI Education Committee aims at offering innovative and high quality practical tools to experts and fellows in order to support their professional development. Take part of our Educational Courses.

Learn from the experts

The EACVI e-learning programmes in Echocardiography, Cardiovascular Magnetic resonance and Nuclear Cardiology and Cardiac Computed Tomography are based on the core syllabi of the EACVI. They provide the required knowledge to be at the cutting-edge of each field.

The e-learning programmes include didactic tutorials created by leading experts in TTE, TOE, CMR, Nuclear Cardiology and Cardiac CT.



www.escardio.org/eacvi-e-learning

Distance learning

Make the most of the EACVI distance learning material.

- Webinars (11+ sessions/year) and recordings
- EACVI Recommendations Mobile app
- Clinical Case Gallery
- Imaging Tool Boxes
- EduCAD Platform
- Pocket Size Ultrasound Devices Course
- Slides and webcasts from EACVI congresses and courses
- Key Reference Libraries

EACVI Grants in Research & Training

The EACVI offers opportunities for young imagers to get training or research experience abroad for a period of 3 to 12 months in non-invasive imaging modalities at a high standard academic centre, clinical centre or university within an ESC Member's country other than their own. Application is open to cardiovascular imagers under 38 years old or under 40 in training. Yearly application deadline is 30 September.



EACVI

European Association of
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Learn from imaging experts



E-learning programmes in Echocardiography,
in Cardiovascular Magnetic Resonance
and in Nuclear Cardiology and
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www.escardio.org/e-learning-echo
www.escardio.org/e-learning-cmr
www.escardio.org/e-learning-nuc-cct



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Make the most of your visit at EuroEcho-Imaging 2017

Visit the EACVI stand

The team will be pleased to answer any of your questions.

Membership area

Learn more about the 2018 membership programme and join.

Joining the Association gives you exclusive access to resources, products and discounts.



Special discount on Silver membership.

Exclusively for EuroEcho-Imaging paying delegates, until 9 December 2017. Not applicable to day ticket holders.

EACVI shop

Get your EACVI publications copies:

- Echocardiography Textbook - Second edition
- Echo Handbook
- 2018 Compendium 
- Abridged recommendations
- CMR pocket guides
- Scientific posters

Have a break in the Members' Lounge

Restricted to 2017 and 2018 Silver & Gold members.

Meet with colleagues, read emails or simply enjoy a cup of coffee in your exclusive area.

The lounge is located on the 1st floor.

Opening hours:

- Wednesday 6 December: 08:00 - 18:30
- Thursday 7 December: 08:00 - 18:30
- Friday 8 December: 08:00 - 18:30
- Saturday 9 December: 08:00 - 12:00

Certification exams

Discounted fees for Silver and Gold EACVI members

Four exams are organised during EuroEcho-Imaging 2017:

- **Nuclear Cardiology**
on Thursday 7 December



- **Adult Transthoracic Echocardiography (TTE)**
on Thursday 7 December
- **Adult Transesophageal Echocardiography (TOE)**
on Friday 8 December
- **Congenital Heart Disease Echocardiography (CHD)**
on Friday 8 December

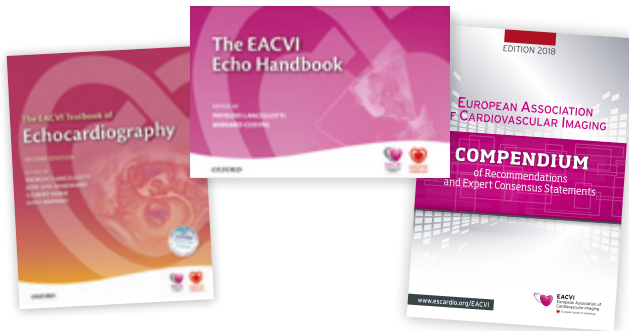
The duration of each exam is approximately 5 hours.

Educational & Scientific Products available on the stand

Books

- Textbook on Echocardiography - Second edition
- 2018 Compendium: including most of the scientific papers published by the EACVI in 2016 and 2017
- Echo Handbook

NEW



CMR Pocket Guides

- Congenital Heart Disease
- Physics for Clinicians
- General Pocket Guide - 2017 edition

NEW



Abridged Recommendations

- Aortic & Pulmonary Regurgitation*
- Mitral & Transcuspoid Regurgitation***
- Infective Endocarditis**
- Transcatheter Interventions**
- Diastolic Function*
- Radiotherapy***
- Transoesophageal Echocardiography***
- Pericardial Disease**
- Multi-modality imaging in Hypertrophic Cardiomyopathy**



Scientific & Illustrated Posters

- Diastolic function
- 3D Echo
- Valve Stenosis



* Available in English only. ** Available in English and Spanish

*** Available in English, French, Portuguese and Chinese

Exclusive discounts for EACVI members



EACVI

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Cardiovascular Imaging



EACVI SILVER MEMBERSHIP for 100€ only during the congress*

*Instead of 156€ for the 2018 membership. Restricted to paying EuroEcho-Imaging 2017 delegates. Not applicable to day ticket holders.

...see you at the EACVI stand

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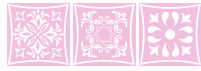
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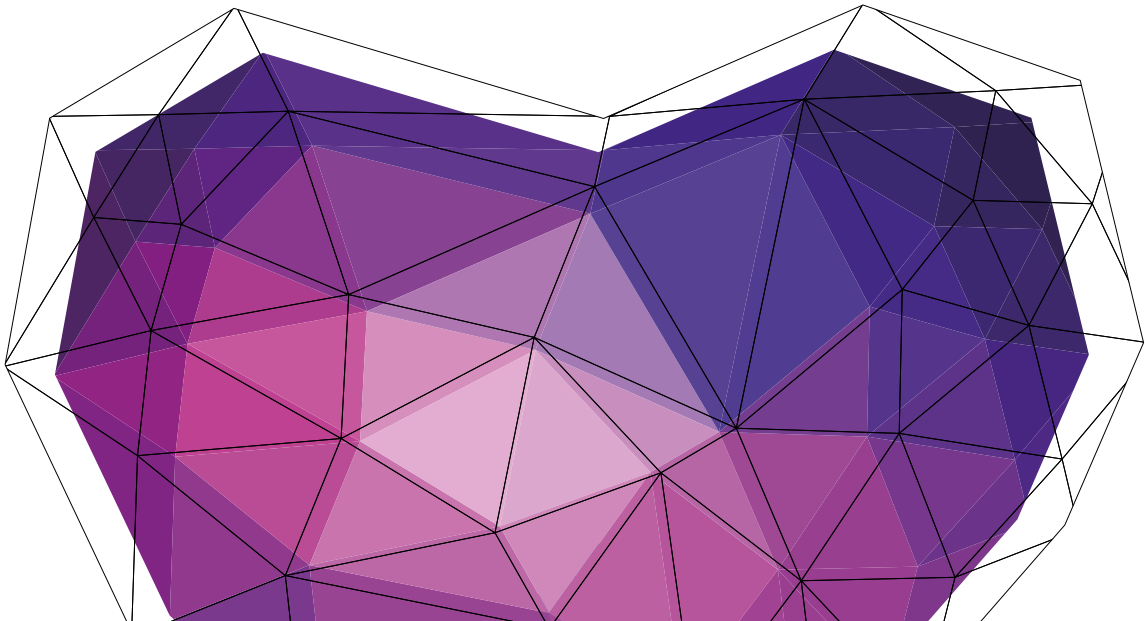
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Wednesday Sessions



WEDNESDAY
SESSIONS

WEDNESDAY
POSTERS

THURSDAY
SESSIONS

THURSDAY
POSTERS

FRIDAY
SESSIONS

FRIDAY
POSTERS

SATURDAY
SESSIONS

SATURDAY
POSTERS

INDEX

Teaching Courses: Follow a whole subject in the same room all day & prepare the EACVI certification exam!

Course on Valvular Heart Disease (VHD)

LISBOA

09:00 - 10:30

Aortic stenosis: from natural history to intervention

Chairpersons: V. Delgado (Leiden, NL); A. Calin (Bucharest, RO)

09:00	Natural history: new perspectives for pharmacologic treatment?	1
	R. Rosenhek (Vienna, AT)	
09:22	Doppler-echo assessment of AS: tips and tricks.	2
	R.E. Dulgheru (Liege, BE)	
09:45	The role of multi-modality imaging in aortic stenosis.	3
	M.-A. Clavel (Quebec, CA)	
10:07	TAVI vs surgery in patients with intermediate and low surgical risk.	4
	P. Pibarot (Quebec, CA)	

11:00 - 12:30

Primary mitral regurgitation: from genetics to intervention

Chairpersons: J. Magne (Limoges, FR); B. Cosyns (Brussels, BE)

11:00	Genetics of mitral valve prolapse.	49
	A.A. Hagege (Paris, FR)	
11:22	Doppler-echo quantitation of MR: tips and tricks.	50
	R.E. Dulgheru (Liege, BE)	
11:45	Role of multimodality imaging in mitral regurgitation.	51
	P. Pibarot (Quebec, CA)	
12:07	Perspectives on percutaneous interventions.	52
	G. La Canna (Rodengo Saiano, IT)	

14:00 - 15:30

Valvular heart disease challenges in 2017

Chairpersons: L.A. Pierard (Liege, BE); J.L. Zamorano Gomez (Madrid, ES)

14:00	Ischaemic MR: when and how to intervene?	117
	J. Magne (Limoges, FR)	
14:22	Patient-prosthesis mismatch: is it still issue in the TAVI era.	118
	P. Pibarot (Quebec, CA)	
14:45	Asymptomatic severe AS: early AVR or watchful waiting?	119
	B. Chambers (London, GB)	
15:07	Secondary tricuspid regurgitation: should it be treated and how?	120
	R. Hahn (New York, US)	

Course on Diastolic Function

PORTO

Joint session with the American Society of Echocardiography (ASE)

09:00 - 10:30

Assessment of diastolic function

Chairpersons: O.A. Smiseth (Oslo, NO); A. Klein (Cleveland, US)

09:00	Assessment of diastolic function in the cath lab. J.W. Ha (Seoul, KR)	5
09:22	Mitral inflow, LA volumes, tissue Doppler velocities and PA pressures. S. Nagueh (Houston, US)	6
09:45	LV strain and twist and LA strain. H. Skulstad (Oslo, NO)	7
10:07	CMR and Nuclear techniques for diastolic function assessment. F.E. Rademakers (Leuven, BE)	8

11:00 - 12:30

Application of ASE/EACVI Guidelines to assess diastolic function and filling pressure in patients with dyspnea

Chairpersons: B.A. Popescu (Bucharest, RO); S. Nagueh (Houston, US)

11:00	Guidelines for patients with HFrEF. H. Dokainish (Hamilton, CA)	53
11:22	Guidelines for patients with HFpEF. O.A. Smiseth (Oslo, NO)	54
11:45	Diastolic stress test. J.K. Oh (Rochester, US)	55
12:07	Assessment of LV filling pressure in primary pulmonary hypertension. M. Galderisi (Naples, IT)	56

14:00 - 15:30

Application of ASE/EACVI guidelines to assess diastolic function and filling pressure in special populations

Chairpersons: F. Flachskampf (Uppsala, SE); H. Dokainish (Hamilton, CA)

14:00	Atrial fibrillation. P.N. Marino (Novara, IT)	121
14:22	Hypertrophic cardiomyopathy (HCM). N. Cardim (Lisbon, PT)	122
14:45	Amyloidosis. A. Klein (Cleveland, US)	123
15:07	Mitral valve disease. F. Flachskampf (Uppsala, SE)	124

Course on three-dimensional echocardiography

FARO

09:00 - 10:30

3D Echo for assessing the left ventricle - why and how?

Chairpersons: A. Hagendorff (Leipzig, DE); M.J. Monaghan (London, GB)

09:00	Tips, tricks and pitfalls of 3D analysis of the left ventricle. J.D. Kasprzak (Lodz, PL)	9
09:22	Multi-Vendor comparison of 3D software for volume and strain. L. Badano (Padova, IT)	10
09:45	Automation of 3D LV analysis - a step to far? O. Kamp (Amsterdam, NL)	11
10:07	Why and how to implement 3D echo in the routine of the echo lab. J.K. Kisslo (Durham, US)	12

11:00 - 12:30

3D Echo for assessing the right ventricle - how and why?

Chairpersons: L. Badano (Padova, IT); M.J. Monaghan (London, GB)

11:00	What is the advantage of 3D RV evaluation? M. Takeuchi (Kitakyushu, JP)	57
11:22	How to do it - tips and tricks. R.S. Von Bardeleben (Mainz, DE)	58
11:45	More than volumes and ejection fraction: shape and mechanics! A. Kovacs (Budapest, HU)	59
12:07	Lessons learned about RV by using 3D echo - clinical cases. D. Muraru (Padua, IT)	60

14:00 - 15:30

Clinical use of 3D echo to assess ventricular geometry and function

Chairpersons: F.J. Ten Cate (Rotterdam, NL); J. Hung (Boston, US)

14:00	Why and how should we use 3D echo in right heart disease. J.D. Morales Portano (Mexico, MX)	125
14:22	Why and how should we use 3D echo in heart failure? S. Kapetanakis (London, GB)	126
14:45	Why and how should we use 3D echo in heart valve diseases? N. Ajmone Marsan (Leiden, NL)	127
15:07	Why and how should we use 3D echo in cancer patients treated with potentially cardiotoxic drugs? M.J. Monaghan (London, GB)	128

Course on multi-modality imaging in the cath lab: become an expert!

COIMBRA

09:00 - 10:30

The aortic valve

Chairpersons: A.M.G. Almeida (Lisbon, PT); J. Bergler-Klein (Vienna, AT)

09:00	TAVI 2017 - New methods for quantification of aortic stenosis: a critical appraisal. L.A. Pierard (Liege, BE)	13
09:22	Imaging: before procedure and intra-procedural guidance. R. Ribeiras (Sintra -Lisbon, PT)	14
09:45	Imaging for follow-up - which techniques? Which strategies? C. Sousa (Porto, PT)	15
10:07	The future is here: new devices & prosthesis, valve-in-valve, stroke prevention and more.... D. Dudek (Krakow, PL)	16

11:00 - 12:30

The mitral and tricuspid valves

Chairpersons: F. Sampaio (Vn Gaia, PT); P. Lancellotti (Liege, BE)

11:00	How to assess mitral valve regurgitation for intervention. P. Carrilho-Ferreira (Lisbon, PT)	61
11:22	Mitraclip selection and intraprocedure guidance with TEE J.M. Ribeiro (Vila Nova De Gaia, PT)	62
11:45	Imaging for early and late follow-up. M.G. Trabulo Corte-Real (Lisbon, PT)	63
12:07	What's new? Valve-in-valve, transcatheter annuloplasty, TMVI and more. Will it work on the tricuspid valve? F. Maisano (Zurich, CH)	64

14:00 - 15:30

PFO and LA appendage

Chairpersons: J.M. Almeida (Porto, PT); X. Freixa Rofaster (Barcelona, ES)

14:00	LA appendage closure: indications and role of TEE. N.C. Wunderlich (Darmstadt, DE)	129
14:22	LA appendage closure: role of CT and CMR. M.J. Garcia (Bronx, US)	130
14:45	PFO closure: indications and role of imaging before the procedure. L.M.M. Branco (Lisbon, PT)	131
15:07	PFO closure: which modalities for guidance - is ICE that cool? Imaging for follow-up. J.M. Ribeiro (Vila Nova De Gaia, PT)	132

Course on Transoesophageal Echocardiography (TOE)

EVORA

09:00 - 10:30

Preliminary TOE educational session. Let's start!

Chairpersons: C.M. Mukherjee (Karlsruhe, DE); A. Kranidis (Athens, GR)

09:00	A comprehensive 2D -3D TOE study; from A to Z.	17
	V. Barberis (Nicosia, CY)	
09:22	LV function assessment.	18
	C.H. Papadopoulos (Athens, GR)	
09:45	Prosthetic valves: echo challenges.	19
	C.M. Mukherjee (Karlsruhe, DE)	
10:07	Artifacts and Pitfalls.	20
	J.M. Erb (Weil Am Rhein, DE)	

11:00 - 12:30

Intermediate difficulty TOE educational session. Deeper waters!

Chairpersons: F. Guarracino (Pisa, IT); S. Kyrzopoulos (Athens, GR)

11:00	3 D perspective for examination of mitral valve.	65
	A. Patrianakos (Heraklion, GR)	
11:22	Mitral valve surgery: Repair or replace?	66
	F.F. Faletra (Lugano, CH)	
11:45	Hypertrophic obstructive cardiomyopathy: Resect or not to resect: That's the question.	67
	F. Guarracino (Pisa, IT)	
12:07	Invasive Cardiology and TOE, a permanent relationship.	68
	D. Patsouras (Ioannina, GR)	

14:00 - 15:30

Advanced difficulty TOE educational session. No frontiers!

Chairpersons: D. Tsiapras (Athens, GR); P.F. Wouters (Gent, BE)

14:00	Mitraclip: how do I confirm a perfect placement through echocardiography guidance.	133
	J. Ender (Leipzig, DE)	
14:22	TAVR vs SAVR: for whom and why?	134
	D. Tsiapras (Athens, GR)	
14:45	TEE determinants for assist device or transplant?	135
	D. Greenhalgh (Manchester, GB)	
15:07	Myocardial imaging: Is it only for research, or have we advanced for routine use?	136
	P.F. Wouters (Gent, BE)	

Course on Congenital Heart Disease (CHD)

GUIMARAES

09:00 - 10:30

Tetralogy of Fallot

Chairpersons: O. Miller (London, GB); L. Mertens (Toronto, CA)

09:00	Embryology, anatomy, pathology of normal and variations.	21
	M.R.M. Jongbloed (Leiden, NL)	
09:22	Preoperative imaging: minimum dataset.	22
	K. Biliska (London, GB)	
09:45	Multimodality assessment during late follow up.	23
	E.R. Valsangiacomo Buechel (Zurich, CH)	
10:07	Deformation imaging during follow-up: what role?	24
	G. Di Salvo (London, GB)	

11:00 - 12:30

Single ventricle

Chairpersons: W. Budts (Leuven, BE); J. Simpson (London, GB)

11:00	Embryology, anatomy, anatomy-pathology.	69
	M.R.M. Jongbloed (Leiden, NL)	
11:22	Advanced echo modalities in single ventricle: what role?	70
	S. Kutty (Omaha, US)	
11:45	MultiModality assessment at each stage.	71
	H. Bellsham-Revell (London, GB)	
12:07	Imaging in follow-up of patients after Fontan repair.	72
	A. Van De Bruaene (Toronto, CA)	

14:00 - 15:30

Arch abnormalities

Chairpersons: J. Marek (London, GB); F.J. Meijboom (Utrecht, NL)

14:00	Embryology & anatomy.	137
	M.R.M. Jongbloed (Leiden, NL)	
14:22	Optimal imaging for rings, slings and other things.	138
	I. Voges (London, GB)	
14:45	Imaging of aortic arch obstruction in children and adults.	139
	H. Grotenhuis (Utrecht, NL)	
15:07	Deformation imaging in arch abnormalities.	140
	L. Lopez (Miami, US)	

Course on Cardiovascular Magnetic Resonance (CMR)

GUARDA

09:00 - 10:30

Cardiovascular magnetic resonance starter kit

Chairpersons: C. Bucciarelli-Ducci (Bristol, GB); R.M. Manka (Zurich, CH)

09:00	Basic MR physics and safety in a nutshell. R.M. Manka (Zurich, CH)	25
09:22	MR physics relevant for cardiac applications. J.F. Rodriguez Palomares (Barcelona, ES)	26
09:45	Spotting and dealing with extracardiac incidental findings on CMR scans. M. Lombardi (San Donato Milanese, IT)	27
10:07	When is CMR indicated: a multimodality imager's perspective. B.L.M. Gerber (Woluwe-St. Lambert, BE)	28

11:00 - 12:30

Cardiovascular magnetic resonance assessment of structure and function

Chairpersons: N. Bettencourt de Sousa (Porto, PT); R. Nijveldt (Amsterdam, NL)

11:00	CMR assessment of ventricular and atrial size, shape and function (including strain imaging). M. Dweck (Edinburgh, GB)	73
11:22	CMR assessment of myocardial fibrosis (including late gadolinium enhancement and T1 mapping). R.M. Manka (Zurich, CH)	74
11:45	CMR assessment of flow (including 4D flow). A.M.G. Almeida (Lisbon, PT)	75
12:07	CMR approaches to assess adult congenital heart disease. E.R. Valsangiacomo Buechel (Zurich, CH)	76

14:00 - 15:30

Cardiovascular magnetic resonance in guiding patient management

Chairpersons: A.M.G. Almeida (Lisbon, PT); M. Motwani (Manchester, GB)

14:00	CMR can guide management in heart failure. R. Nijveldt (Amsterdam, NL)	141
14:22	CMR can guide management in inpatients. M. Westwood (London, GB)	142
14:45	CMR can guide management in suspected or known coronary artery disease. M. Motwani (Manchester, GB)	143
15:07	CMR can guide management in cardiomyopathies. J.F. Rodriguez Palomares (Barcelona, ES)	144

Course on Computed Tomography (CT)

IMAGING CAMPUS 1

09:00 - 10:30

Basic principles & applications

Chairpersons: M. Marwan (Erlangen, DE); P. Maurovich-Horvat (Budapest, HU)

*To cover the major topics of the EACVI Cardiac CT Core Syllabus and key elements of knowledge in Cardiac CT. It will represent a relevant part of training curricula providing expected knowledge-based learning outcomes to the cardiac CT trainees. Specific attention will be devoted to present both consolidated applications and recent innovations.
Discuss evidence-based cardiac CT applications, and demonstrate appropriate utilization from clinical cases.*

09:00	Principles of cardiac CT: from photons to pictures.	40
	A. Rossi (Rotterdam, NL)	
09:22	Scan protocols: maximum quality, minimal dose.	41
	M. Marwan (Erlangen, DE)	
09:45	Coronary CT angiography for stable angina: the evidence.	42
	G. Pontone (Milan, IT)	
10:07	Structural heart disease.	43
	M.H. Al Mallah (Riyadh, SA)	

11:00 - 12:30

Advanced techniques

Chairpersons: O. Gaemperli (Zurich, CH); P. Maurovich-Horvat (Budapest, HU)

11:00	Complex coronary disease, stents and grafts.	89
	A. Rossi (Rotterdam, NL)	
11:22	Myocardial infarction, perfusion and CT-based FFR.	90
	G. Pontone (Milan, IT)	
11:45	Plaque imaging for risk predictions.	91
	P. Maurovich-Horvat (Budapest, HU)	
12:07	Hybrid imaging.	92
	O. Gaemperli (Zurich, CH)	

14:00 - 15:30

Clinical implementation

Chairpersons: O. Gaemperli (Zurich, CH); M.H. Al Mallah (Riyadh, SA)

14:00	Acute chest pain and other emergencies.	157
	A. Dedic (Rotterdam, NL)	
14:22	Complex structural heart conditions.	158
	P. Maurovich-Horvat (Budapest, HU)	
14:45	Congenital conditions in kids and grown-ups.	159
	M. Hughes (London, GB)	
15:07	CT guided interventions: TAVI and beyond.	160
	M. Marwan (Erlangen, DE)	

Course on Nuclear Cardiology (NC)

IMAGING CAMPUS 2

09:00 - 10:30

Basics of nuclear imaging

Chairpersons: D. Neglia (Pisa, IT); P. Knaapen (Amsterdam, NL)

09:00	Physics, radiotracers, instrumentation and how to do cardiac SPECT/PET. H.J. Verberne (Amsterdam, NL)	44
09:20	Stress- and imaging-protocols, radiation exposure and clinical examples. A. Kitsiou (Athens, GR)	45
09:40	Image interpretation, pitfalls and artefacts and imaging examples. E. Reyes (London, GB)	46
10:00	How to perform a clinically meaningful report and clinical examples. S.R. Underwood (London, GB)	47
10:20	Discussion.	

11:00 - 12:30

Nuclear imaging in ischemic heart disease

Chairpersons: S.R. Underwood (London, GB); A. Gimelli (Pisa, IT)

11:00	Management of CAD: diagnosis and clinical decision making. P. Knaapen (Amsterdam, NL)	93
11:20	Management of CAD: interactive clinical case. D. Neglia (Pisa, IT)	94
11:40	Heart failure: viability and innervation. A. Gimelli (Pisa, IT)	95
12:00	Heart failure: Interactive clinical cases. A. Saraste (Turku, FI)	96
12:20	Discussion.	

14:00 - 15:30

Nuclear imaging in myocardial and vascular diseases

Chairpersons: A. Kitsiou (Athens, GR); A. Gimelli (Pisa, IT)

14:00	Cardiomyopathies: diagnosis, risk stratification, treatment and interactive clinical case. A.J.H.A. Scholte (Leiden, NL)	161
14:20	Arrhythmias: risk stratification, ablation and interactive clinical case. A. Gimelli (Pisa, IT)	162
14:40	Myocardial inflammation and infiltration and interactive clinical case. K. Wechalekar (London, GB)	163
15:00	Radionuclide imaging in IE/CDRIE: diagnosis, treatment and interactive clinical case. P.A. Erba (Pisa, IT)	164
15:20	Conclusion.	165

Other sessions

09:00 - 10:30

Rapid Fire Abstract

AGORA

Up-to-date research on left ventricular function

Chairpersons: T. Kolas (Ann Arbor, US); L. Perez De Isla (Madrid, ES)

09:00	Panel of experts: J.U. Voigt (Leuven, BE); J.D. Kasprzak (Lodz, PL)	29
09:00	Subclinical markers of cardiovascular disease predict adverse outcomes in chronic kidney disease patients with normal left ventricular ejection fraction. S. Sulemane, V. Panoulas, A. Bratsas, P. Nihoyannopoulos (London, GB)	30
09:09	Left ventricular deformation by 3D speckle tracking echocardiography and 3D cardiac magnetic resonance tagging, a validation study M.S. Amzulescu, H. Langet, A. Slimani, C. Roy, Y. Zhou, P. Allain, M. De Craene, C. De Meester, A. Pasquet, D. Vancraeynest, J.L. Vanoverschelde, A.C. Pouleur, B.L.M. Gerber (Brussels, BE; Paris, FR)	31
09:18	The cardiac isovolumetric contraction time is an independent predictor of incident atrial fibrillation and adverse outcomes following first atrial fibrillation event in the general population A. Saed Alhakak, P. Brainin, R. Mogelvang, J. Skov Jensen, T. Biering-Sorensen (Copenhagen, DK)	32
09:27	Inter-operator variability of shapes and strain patterns: insights from a myocardial strain course N. Duchateau, M. Cikes, A. Doltra, M. Sitges, B. Bijmens (Lyon, FR; Zagreb, HR; Barcelona, ES)	33
09:36	Reference values for left ventricular size in contrast echocardiography: a cohort of 1 316 cases R. Paakkanen, W. He, J. Choy, E. Mirhadi, E.P. Pitushkin, J. Mackey, H. Becher (Helsinki, FI; Edmonton, CA)	34
09:45	Echocardiographic Estimation of Left Filling Pressures S. Abram, C. Magnino, A. Milan (Turin, IT)	35
09:54	Effect of left ventricular augmentation with Algysil-LVR device: 12 month follow-up S.I. Dumitrescu, I. Droc, I. Mocanu, V. Murgu, D. Savoie, G. Neagoe, D. Dragomir, S.C. Stamate, G. Cristian (Bucharest, RO)	36
10:03	Gender-correlated differences in a population with hypertrophic cardiomyopathy. A portuguese multicenter study. L. Reis, J. Bispo, B. Marmelo, M. Oliveira, R. Santos, K. Domingues, R. Faria, A. Marreios, N. Marques (Coimbra, Faro, Viseu, Guimaraes, Penafiel and Santarem, PT)	37
10:12	Papillary muscles dimensions. Dark side of the heart G. Diaz Babio, G. Vera Janavel, C. Carrero, M. Mezzadra, G. Masson Juarez, R. Perez Etchepare, P. Stutzbach (Buenos Aires, AR)	38
10:21	Standard transthoracic echocardiography in chronic heart failure- an old but still a convenient tool E. Iarca, B. Neagoe, L. Jupoiu, A. Luta, O. Khazei, I. Barsan, L. Muntean-Mahjoub, A. Gabor, V. Gorgan, I. Iarca, C. Zara (Brasov, RO)	39

10:30 - 11:00

How-to Session

PORTO

How to prepare for EACVI CMR certification exam

EACVI HIT (Heart Imagers of Tomorrow)



Chairpersons: T. Lapinskas (Kaunas, LT)

How-to session provides practical details and tools or tips and tricks on a specific topic related to the research. These sessions are built to help attendees to improve their experiences to complete successfully research project: from founding and grant application, to data analysis, results presentation and publication.

10:30	Presenter: M. Westwood (London, GB)	48
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11:00 - 12:30

Clinical Cases

AGORA

Diagnosis and management of cardiomyopathies: overcoming the challenges

Chairpersons: S. Nakatani (Takarazuka, JP); T. Kukulski (Zabrze, PL)

Young clinicians will present their cases and experts will be asked to moderate the sessions, facilitate interaction with the audience, prompt discussions, challenge the presenters and the audience.

The main objective of the session is to learn from challenging clinical case scenarios

11:00	Panel of experts:	77
	G. Athanassopoulos (Pireas, GR); G.L. Nicolosi (Cordenons, IT)	
11:00	Dyspnea in hypertrophic cardiomyopathy: a complex cardiac and ventilatory pathophysiological interaction in a patient investigated by cardiopulmonary test combined with exercise stress echocardiograph	78
	V. Labate (Milan, IT)	
11:09	Perforated aneurysm of the anterior mitral leaflet in a patient with obstructive hypertrophic cardiomyopathy	79
	A. Marques (Braga, PT)	
11:18	An unusual case of left ventricle apex involvement in hypertrophic cardiomyopathy	80
	V.M. Parato (San Benedetto Del Tronto, IT)	
11:27	Giant apical aneurysm associated with supraaortic stenosis, coronary arteriopathy and mid-ventricular hypertrophic cardiomyopathy	81
	O. Musayev (Baku, AZ)	
11:36	More than just a cardiomyopathy	82
	A.A.M. Farrag (Cairo, EG)	
11:45	The sparkling myocardium: a bizarre cardiomyopathy expression	83
	M. Treppe (Porto, PT)	
11:54	Cardiopulmonary exercise test combined with exercise echocardiography as a tool for a comprehensive evaluation in a case of severe restrictive cardiomyopathy due to cardiac amyloidosis.	84
	M.P. del Corral (San Donato Milanese, IT)	
12:03	A case of light-chain amyloidosis with isolated cardiac involvement	85
	R. Baggen Santos (Porto, PT)	
12:12	Management of a rare cardiomyopathy presented with congestive heart failure and electrical storm	86
	A. Covaliov (Bucharest, RO)	
12:21	Cardiac amyloidosis mimicking post partum cardiomyopathy: an Indonesia experience	87
	S. Azizi (Jakarta Pusat, ID)	

11:00 - 12:30

Workshop

TOE Room

Focus on heart valve disease



To provide basic skills in probe manipulation to obtain standard views and knowledge on spatial anatomic relationships by 2D/3D TOE echocardiography using modern training equipment

11:00	Presenters:	88
	M. M. Gurzun (Bucharest, RO); P. R. Fazendas (Almada, PT)	

12:45 - 13:45

Satellite Symposium

EVORA

The future of echo is measurable: how to achieve over 200+ automated measurement in a daily practice
Sponsored by Siemens Healthineers

Chairpersons: R. Ribeiro (Lisbon, PT); S. Datta (Mountain View, US)

12:45	Making interventional procedures with fusion technology. R. Schueler (Bonn, DE)	97
13:05	Mitral regurgitation and echo: From guideline standards to new technology. F. Knebel (Berlin, DE)	98
13:55	Coronary flow reserve from bench to bedside. S. Svedlund (Gothenburg, Sweden)	99

12:45 - 13:45

Moderated Posters

MODERATED POSTER AREA

Best moderated posters of HIT community
EACVI HIT (Heart Imagers of Tomorrow)



Chairpersons: M. Henein (Umea, SE); C. Zito (Messina, IT)

Moderated poster session presenting the best contribution of young presenters

	Effects of sildenafil on right ventricular function at rest and during exercise in chronic thromboembolic disease: an exercise cardiac magnetic resonance study.	P101
	M. Claeys, G. Claessen, A. La Gerche, F. Helsen, C. Belge, P. Claus, J. Bogaert, R. Willems, M. Delcroix (Leuven, BE; Melbourne, AU)	
	Impairment of right atrial and ventricular strain in obese and overweight patients: 2D speckle tracking echocardiography-derived results from the BEFRI trial	P102
	A. Brand, M. Bathe, U. Seeland, S. Oertelt-Prigione, V. Regitz-Zagrosek, K. Stangl, H. Dreger, V. Stangl, F. Knebel (Berlin, DE)	
	Incremental value of left ventricular strain and left atrial asynchrony over CHA2DS2-VASc Score in patients with atrial fibrillation	P103
	K. Kupczynska, B.W. Michalski, D. Miskowicz, J.D. Kasprzak, E. Szymczyk, P. Wejner-Mik, P. Lipiec (Lodz, PL)	
	Assessment of right ventricular function in advanced heart failure: the role and importance of right ventricular elastance	P104
	F. Bianco, V. Bucciarelli, E. Ammirati, F. Musca, G. Tonti, M. Frigerio, R. De Caterina, S. Gallina (Chieti and Milan, IT)	
	Cardiac resynchronisation therapy acutely homogenises regional left ventricular myocardial workload: A non-invasive echocardiographic assessment	P105
	J. Duchenne, S. Unlu, L. Terrie, E.D. Pagourelas, A.S. Beela, A. Turco, P. Claus, F. Rega, O. Gheysens, J.-U. Voigt (Leuven, BE)	
	Echocardiographic evolution of mitral and tricuspid regurgitation in patients undergoing tavi. experience in a real world center.	P106
	F. Islas, C. Olmos, A. De Agustin, P. Jimenez, L. Nombela, J. Werenitzky, A. Cristobal, J.C. Vargas, M. Luaces, P. Marcos Alberca, M.A. Cobos, J.J. Gomez De Diego, E. Pozo, C. Macaya, L. Perez De Isla (Madrid, ES)	
	Echocardiography, the 'crystal ball' of infective endocarditis management in rheumatic heart disease.	P107
	S. Anwer, M. Atef, D. Osama, N. Hassan, Y. Aboul Fotouh, S. Moharem-Elgamal, M. Seleem, A. Katta, A. El Kholy, M. Enany, H. Rizk, M. Meshaal (Cairo, EG)	
	Myocardial changes in recreational marathon runners: a 3-layer speckle tracking echocardiography study	P108
	C. Tountas, A. Destounis, N. Kasinos, P. Zahos, A. Theodosios-Georgilas, K. Kipourou, M. Vassaki, K. Hatzigeorgiou, E. Grigoraki, S. Chaikali, A. Dimopoulos, K. Yiangou, A. Deligeorgis, D. Beldekis, S. Fousas (Piraeus, GR)	

12:45 - 13:45

Moderated Posters

MODERATED POSTER AREA

Exercise - the bad, the ugly or the good guy

Chairpersons: P. Lipiec (Lodz, PL); J. Hung (Boston, US)

- | | |
|---|-------------|
| Pulmonary transit of agitated saline in highly trained endurance athletes is related to increased exercise capacity, larger cardiac remodelling and lesser right ventricular fibrosis. | P109 |
| B. Domenech, M. Sanz-De La Garza, D. Navarrete, I. Blanco, F. Burgos, K. Duran, R.J. Perea, B. Bijnens, S. Prat, M. Sitges (Girona and Barcelona, ES) | |
| Normative reference values of right ventricular size and function in athlete's heart: a meta-analysis on 7546 athletes. | P110 |
| F. D'ascenzi, A. Pelliccia, M. Solari, P. Piu, F. Loiacono, F. Anselmi, S. Caselli, M. Focardi, M. Bonifazi, S. Mondillo (Siena and Rome, IT) | |
| Exercise-induced pulmonary hypertension in systemic sclerosis | P111 |
| L. Gargani, A. Moreo, A. Fabbri, F. Casadei, F. Pieri, F. Mori, E. Bruschi, C. Bruni, B. De Chiara, O. Epis, M. Matucci Cerinic, A. Moggi Pignone, E. Bossone (Pisa, Milan, Florence and Salerno, IT) | |
| Echocardiography can differentiate between athlete's heart and hypertrophic cardiomyopathy genotype positive with mild phenotype | P112 |
| L.G. Klæboe, O.H. Lie, L.A. Dejgaard, K.H. Haugaa, T. Edvardsen (Oslo, NO) | |
| Indices of obesity, cardiac remodeling and diastolic dysfunction: beyond the Body Mass Index | P113 |
| F. Antonini-Canterin, C. Di Nora, S. Poli, L. Sparacino, I. Cosei, A. Ravasel, B.A. Popescu (Motta di Livenza, Trieste and Sacile, IT; Bucharest, RO) | |
| The decrease of two-dimensional speckle-tracking global longitudinal strain in strength elite athletes is reflected in electrocardiogram | P114 |
| M.N. Alekhin, O. Chumakova, O. Drobyazko, M. Isaeva, O. Himiy, E. Chelombitko, D. Zateyshchikov (Moscow, RU) | |
| Benefits on cardiac function by exercise are reversed by aging: a tissue doppler population study | P115 |
| G. Joseph, P. Sogaard, G. Nielsen, T. Biering-Sorensen, P. Schnohr, J.S. Jensen, R. Mogelvang (Hjorring, Aalborg, Gentofte, Frederiksberg and Copenhagen, DK) | |
| Effect of exercise training after acute myocardial infarction on diastolic and systolic function. Focus on tissue doppler. | P116 |
| R. Pinto, C. Sousa, A. Rocha, M. Tavares-Silva, G. Pestana, G. Ferreira, J. Rodrigues, H. Nascimento, M. Braga, P. Araujo, A. Nunes, V. Araujo, F. Macedo, M.J. Maciel (Porto, PT) | |

14:00 - 15:30

Rapid Fire Abstract

AGORA

The prognostic value from echocardiography

Chairpersons: P. Sogaard (Aalborg, DK); P. Caso (Naples, IT)

14:00	Panel of experts:	145
	L. Gargani (Pisa, IT); K.H. Haugaa (Oslo, NO)	
14:00	Prognostic value of speckle tracking echocardiography in patients with Chagas cardiomyopathy	146
	M.M.D. Romano, H.T. Moreira, F. Alenezi, L.A.L. Saraiva, A. Schmidt, B.C. Maciel, A. Rassi Jr, J.A. Marin-Neto, E.J. Velazquez (Ribeirao Preto and Goiania, BR; Durham, US)	
14:09	Does global longitudinal strain predict the development of hypertrophic cardiomyopathy in sarcomere gene mutation carriers?	147
	H.G. Van Velzen, A.F.L. Schinkel, P.A. Vriesendorp, R.W.J. Van Grootel, M. Strachinaru, M. Michels (Rotterdam, NL)	
14:18	Echocardiography in prediction of life-threatening ventricular arrhythmia in patients with arrhythmogenic cardiomyopathy	148
	O.H. Lie, C. Rootwelt, L.A. Dejgaard, I.S. Leren, T. Edvardsen, K.H. Haugaa (Oslo, NO)	
14:27	Echocardiographic predictors of the cardiac resynchronization therapy efficiency in patients with congestive heart failure	149
	D. Mrikaev, E. Golukhova, T. Mashina, V. Dzhankeeva (Moscow, RU)	
14:36	Vendor specific cut-offs of post-systolic index to identify scarred myocardium	150
	O. Mirea, E.D. Pagourelas, J. Duchenne, J. Bogaert, J.D. Thomas, L.P. Badano, J.U. Voigt (Craiova, RO; Leuven, BE; Chicago, US; Padua, IT)	
14:45	The prognostic factors for left atrial Enlargement in Patients with Sinus Rhythm and Atrial Fibrillation	151
	A. Matsumoto, A. Goda, M. Fukui, K. Masai, Y. Soyama, M. Asakura, T. Masuyama (Nishinomiya, JP)	
14:54	Derivation and validation of a novel prognostication model for patients with stress cardiomyopathy	152
	M. Subramanian, G. Muthu, H. Ahamed, N. Matthew (Kochi and Chennai, IN)	
15:03	Apical right ventricular strain and right atrial strain are the most significant predictors of acute and chronic right ventricular failure in patients referred to Left Ventricular Assist Devices.	153
	D. Bellavia, A. Iacovoni, F. Cosentino, C. Coronello, M. Simon, C. Link, C. Falletta, G. Romano, S. Sciacca, C. Mina', J. Maalouf, M. Pilato, M. Senni, S. Novo, F. Clemenza (Palermo and Bergamo, IT; Pittsburgh and Rochester, US)	
15:12	The role of left bundle branch in patients with dilated cardiomyopathy and mildly to moderately reduced left ventricular function	154
	P. Gentile, M. Merlo, A. Paldino, A. Cannata, G. Barbati, M. Gobbo, M. Gigli, D. Stolfo, B. Pinamonti, G. Sinagra (Trieste, IT)	
15:21	Dilated cardiomyopathy with midrange ejection fraction at diagnosis: characterization and natural history	155
	P. Gentile, M. Merlo, M. Gobbo, B. Pinamonti, G. Barbati, F. Ramani, M. Gigli, D. Stolfo, G. Sinagra (Trieste, IT)	

14:00 - 15:30

Workshop

TOE Room

Focus on heart valve disease

To provide basic skills in probe manipulation to obtain standard views and knowledge on spatial anatomic relationships by 2D/3D TOE echocardiography using modern training equipment



14:00	Presenters:	156
	S. Mihaila (Bucuresti, RO); R. E. Dulgheru (Liege, BE)	

15:30 - 16:00

How-to Session

PORTO

How to prepare EACVI echo certification exam

EACVI HIT (Heart Imagers of Tomorrow)



Chairperson: A. Patrianakos (Heraklion, GR)

How-to session provides practical details and tools or tips and tricks on a specific topic related to the research. These sessions are built to help attendees to improve their experiences to complete successfully research project: from founding and grant application, to data analysis, results presentation and publication.

15:30	Presenter:	166
	L. Gargani (Pisa, IT)	

16:00 - 17:30

Special Event

LISBOA

Inaugural session

Chairpersons: B.A. Popescu (Bucharest, RO); T. Edvardsen (Oslo, NO)

Welcome Address by the EACVI President.

B.A. Popescu (Bucharest, RO)

ESC Presidential Welcome.

J.J. Bax (Leiden, NL)

Welcome Address by the Local Hosts.

N. Cardim (Lisbon, PT); A.M.G. Almeida (Lisbon, PT)

Introduction of the Edler Lecture presenter.

B.A. Popescu (Bucharest, RO)

Edler lecture

"Recognizing the elephant in the room. Quality control in imaging".

T.H. Marwick (Melbourne, AU)

Presentation of Edler Diploma.

T. Edvardsen (Oslo, NO)

Presentation of the Nominated Honorary Member.

B.A. Popescu (Bucharest, RO); T. Edvardsen (Oslo, NO)

EACVI Research and Training Grant Winners.

V. Delgado (Leiden, NL); D. Muraru (Padua, IT)

EACVI Echo section: programme highlights in echo.

E. Donal (Rennes, FR)

EACVI CMR section: programme highlights in CMR.

C. Bucciarelli-Ducci (Bristol, GB)

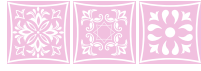
EACVI Nuclear and CT section: programme highlights in Nuclear/CT.

O. Gaemperli (Zurich, CH)

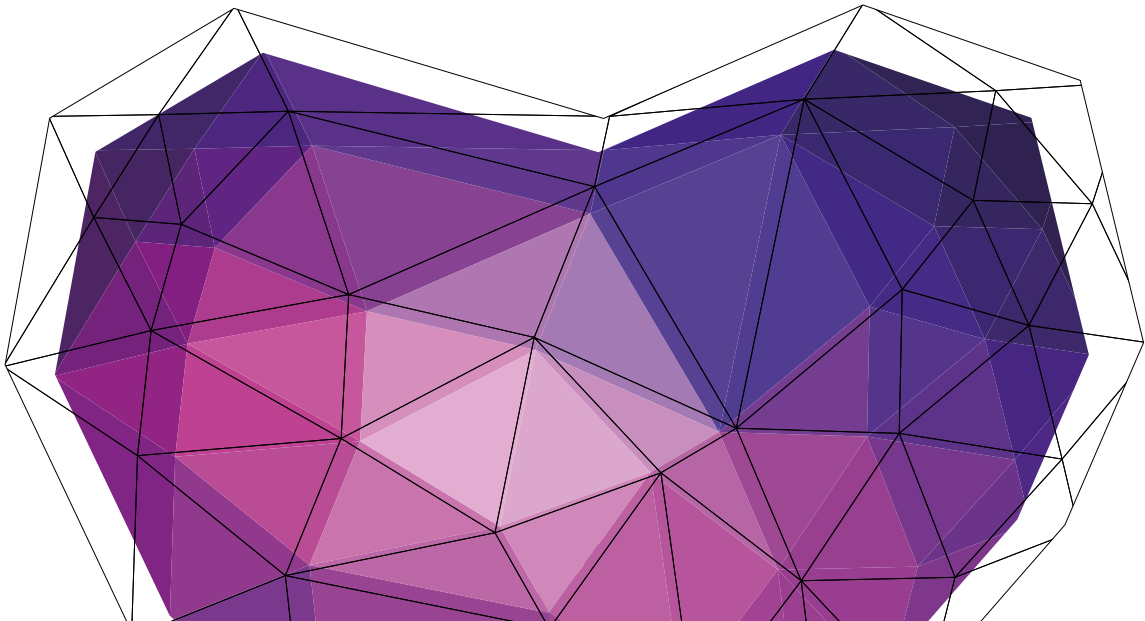
Opening Address.

B.A. Popescu (Bucharest, RO)

EuroEcho Imaging2017



Wednesday Posters



WEDNESDAY
SESSIONS

WEDNESDAY
POSTERS

THURSDAY
SESSIONS

THURSDAY
POSTERS

FRIDAY
SESSIONS

FRIDAY
POSTERS

SATURDAY
SESSIONS

SATURDAY
POSTERS

INDEX

HIT MODERATED POSTER SESSION

All posters are on display from 09:00 to 16:00.
12:45 - 13:45 - Meet the presenters by their poster.

HIT POSTER SESSION

All posters are on display from 09:00 to 16:00.
12:45 - 13:45 - Lunchtime HIT Poster hosts.
Meet the presenters by their poster.

ABSTRACT MODERATED POSTER SESSION

All moderated posters are on display from 09:00 to 16:00.
12:45 - 13:45 - Meet the presenters by their poster.

CLINICAL CASE POSTER SESSION

All posters are on display from 09:00 to 16:00.
12:45 - 13:45 - Meet the presenters by their poster

ABSTRACT POSTER SESSION

All posters are on display from 09:00 to 16:00.
12:45 - 13:45 - Meet the presenters by their poster.

HIGH SCORE POSTER

Look out for these abstracts acknowledged by the reviewing committee.

Missed a presentation?

After the congress, abstracts will be available online and a selection of slide presentations will be available only to EACVI Members.
More information on the ESC-EACVI Stand.

IMPORTANT INFORMATION FOR PRESENTERS

Poster presenters must set up poster between 08:30 - 09:00.
All posters not affixed by 12:45 may be considered as no-show.
Posters must be removed from the area between 16:00-16:30.

Abstract presenters can consult the POSTER ASSISTANCE DESK for further information and to retrieve their Certificate of Presentation.

09:00 - 16:00

Poster Session

POSTER AREA

HIT Poster session 1

EACVI HIT (Heart Imagers of Tomorrow)



Lunch time HIT Poster hosts - 12:45 - 13:45.

P167

L.E. Sade (Ankara, TR); J.U. Voigt (Leuven, BE); L. Mendes (Sto Antonio Da Charneca, PT); S. Loizos (Athens, GR); S. Anwer (Cairo, EG); G.E. Mandoli (Siena, IT)

Pocket echocardiography in the hands of medical students - is it the stethoscope of the future?

P168

M. Kacprzak, K. Sadowski, P. Skoczylas, F. Sucheta, O. Brycht, S. Latkowska, M. Kepka, M. Zielinska (Lodz, PL)

Clinical and prognostic impact of different methods and abnormality thresholds used for the quantification of left atrial volume by two-dimensional echocardiography

P169

E. Surkova, J. Bidviene, A. Niero, D. Cherata, P. Aruta, E. Secco, H. Rodriguez-Zanella, S. Illiceto, L.P. Badano, D. Muraru (Padua, IT; Kaunas, LT; Craiova, RO; Mexico City, MX)

Validation of six-minute walking distance in predicting left ventricular filling pressure in chronic heart failure population in Malaysia

P170

H.A. Zainal Abidin, M.Z. Zainal Abidin, M.F. Aminuddin, H.A. Ahmad Ainuddin, D. Katiman (Sungai Buloh and Puncak Alam, MY)

Is there a gender difference in survival after cardiac resynchronization therapy?

P171

A. Abbas, I. Stankovic, A. Ciarka, A. Daraban, M. Aarones, S. Aahkus, M. Szulik, S. Winter, W. Fehske, A. Neskovic, T. Kukulski, R. Willems, M. Penicka, L. Faber, J.U. Voigt (Leuven and Aalst, BE; Belgrade, RS; Bucharest, RO; Oslo, NO; Silesia, PL; Cologne and Bad Oeynhausen, DE)

Long term atrial fibrillation in patients with systolic heart failure results in impairment of right ventricular function, with no influence of VVI pacing and cardiac resynchronisation.

P172

E. Majos, A. Kraska, I. Kowalik, E. Smolis-Bak, H. Szwed, R. Dabrowski (Warsaw, PL)

«Calcium score-first» investigational approach for stable chest pain: a 2-year outcome study in an asian population cohort

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E. Abdul Rahman, R. Najme Khir, N. Chua, C.W. Lim, K.S. Ibrahim, N.N. Othman, M.A. Mohd Kamal, S.S. Kasim (Selangor, MY)

Very severe aortic stenosis: Is there a price to pay for late treatment?

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C. Strong, M.J. Andrade, G. Cardoso, C. Reis, E. Horta, G. Rodrigues, A. Oliveira, M. Mendes (Carnaxide, PT)

Evaluation of left atrial strain in patients with rheumatic mitral stenosis

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F.A. Castro, O. Azevedo, M. Lourenco, B. Faria, I. Oliveira, A. Lourenco (Guimarães, PT)

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Computed Tomography and Nuclear Cardiology

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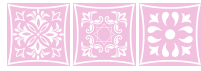
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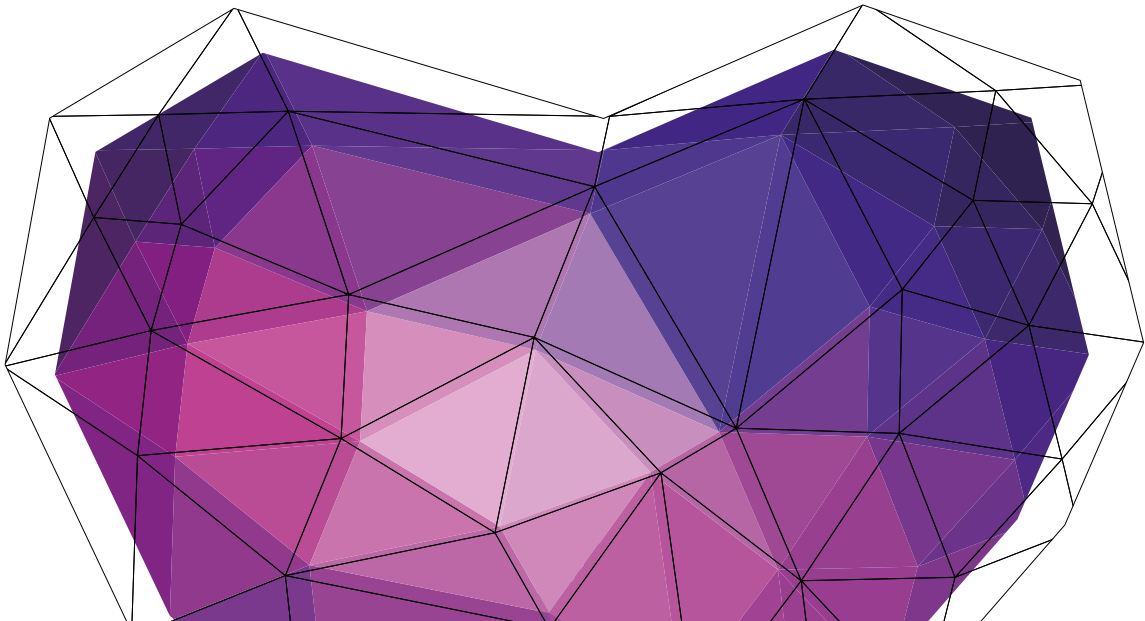
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Thursday Sessions



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IMAGING CAMPUS 1



09:00 - 10:30

Cardiac chamber quantification - According to the guidelines

Chairperson: F. Knebel (Berlin, DE)

This workshop will focus on the current recommendations for chamber quantification. We will discuss the minimum requirements for a standard transthoracic echo exam: planes, loops, quality requirements. The current normal values for the most important measurements will be highlighted.

The second part will focus on the methods for quantification of LV systolic function. The advantages and limitations of speckle tracking will be presented.

In addition, the role of 3D echo will be reviewed critically. There will be enough room for interaction and discussion.

11:00 - 12:30

Basic to advanced image analysis and quantification in echocardiography - Including speckle-tracking

Chairperson: T. Binder (Vienna, AT)

The objective of this session during the Imaging Campus will be to present standardized examination protocol to broadly assess cardiac performance in adult population by advancing conventional echocardiography imaging and measurements with modern speckle-tracking analyses. This allows accurate detection of changes in cardiac performance and further enables highly sensitive assessment of regional myocardial motion and deformation in high spatio-temporal resolution. For the last few years, a task force led by the ASE and the EACVI has been working to standardize the strain measurement method and results among vendors with the goal of reducing variability. This updates will be respected and implemented in this course as well. Further advanced 3D applications will be introduced.

14:00 - 15:30

Cardiac chamber quantification - According to the guidelines

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The second part will focus on the methods for quantification of LV systolic function. The advantages and limitations of speckle tracking will be presented.

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16:00 - 17:30

Basic to advanced image analysis and quantification in echocardiography - Including speckle-tracking

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Sponsored by GE Healthcare

IMAGING CAMPUS 2



09:00 - 10:30

Exploring new myocardial strain imaging techniques and quantitative analysis of right ventricle - Myocardial strain imaging for the early detection of myocardial damage in patients with cardiomyopathy, myocarditis and oncological diseases

Chairperson: A. Hagendorff (Leipzig, DE)

Learning objectives:

Learning how myocardial strain imaging may help in the early detection of myocardial damage in specific group of patients.

Direct interaction with the lecturer will help you to become familiar with the relevant parameters to describe the specific topic.

11:00 - 12:30

Exploring new myocardial strain imaging techniques and quantitative analysis of right ventricle - Quantitative analysis of Right Ventricular geometry and function.

Chairperson: L.P. Badano (Padova, IT)

Learning objectives:

Understanding right ventricular geometry and function by quantifying 4D echo volume datasets.

Direct interaction with the lecturer will help you to become familiar with the relevant parameters to describe the specific topic.

14:00 - 15:30

Exploring new myocardial strain imaging techniques and quantitative analysis of right ventricle - Quantitative analysis of Right Ventricular geometry and function.

Chairperson: L.P. Badano (Padova, IT)

Learning objectives:

Understanding right ventricular geometry and function by quantifying 4D echo volume datasets.

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16:00 - 17:30

Exploring new myocardial strain imaging techniques and quantitative analysis of right ventricle - Myocardial strain imaging for the early detection of myocardial damage in patients with cardiomyopathy, myocarditis and oncological diseases

Chairperson: A. Hagendorff (Leipzig, DE)

Learning objectives:

Learning how myocardial strain imaging may help in the early detection of myocardial damage in specific group of patients.

Direct interaction with the lecturer will help you to become familiar with the relevant parameters to describe the specific topic.

Co-Sponsored by Abbott/Philips

IMAGING CAMPUS 3



09:00 - 10:00

The gold standard for TEE assessment before, during, and after LAA occlusion

Chairperson: M.J. Swaans (Hedel, NL)

10:30 - 11:30

The gold standard for TEE assessment before, during, and after LAA occlusion.

Chairperson: M.J. Swaans (Hedel, NL)

12:00 - 13:00

Understanding the Echo guidance for Percutaneous Mitral Valve Repair patients screening and procedure.

Chairperson: P. Biaggi (Zurich, CH)

14:00 - 15:00

Understanding the Echo guidance for Percutaneous Mitral Valve Repair patients screening and procedure.

Chairperson: P. Biaggi (Zurich, CH)

15:30 - 16:30

Understanding the Echo guidance for Percutaneous Mitral Valve Repair patients screening and procedure.

Chairperson: P. Biaggi (Zurich, CH)

17:00 - 18:00

Understanding the Echo guidance for Percutaneous Mitral Valve Repair patients screening and procedure.

Chairperson: M.J. Swaans (Hedel, NL)

08:30 - 10:00 Main Session LISBOA

Imaging in the electrophysiology lab

Chairpersons: B. Bijnens (Barcelona, ES); G. Pressman Philadelphia, US)

08:30	Atrial fibrillation ablation: what we need to know before and after procedure. M. Sitges (Barcelona, ES)	339
08:52	LA appendage occlusion: how we care? V. Rigolin (Chicago, US)	340
09:15	Imaging ventricular arrhythmias: a multimodality approach. A. Gimelli (Pisa, IT)	341
09:37	Ventricular arrhythmia ablation: what we need to know before and after procedure. P. Sogaard (Aalborg, DK)	342

08:30 - 10:00 Clinical Imaging PORTO

Advances in ischemic heart disease: read with the experts

Chairpersons: D. Neglia (Pisa, IT); F. Flachskampf (Uppsala, SE)

08:30	Implementing guidelines and recommendations into clinical practice. M.J. Antunes (Coimbra, PT)	343
08:52	Imaging in the non invasive assessment of coronary lesions. O. Gaemperli (Zurich, CH)	344
09:15	Imaging in the assessment of myocardial viability. N. Bettencourt de Sousa (Porto, PT)	345
09:37	Dyslipidemia control - much more beyond statins. D. Vinereanu (Bucharest, RO)	346

08:30 - 10:00 Symposium FARO

Clinical use of 2D Speckle Tracking - Hopes and Facts

Chairpersons: G.A. Derumeaux (Creteil, FR); J.D. Thomas (Chicago, US)

08:30	Lessons from the EACVI/ASE/Industry Inter-Vendor Study - Are all vendors equal? J.U. Voigt (Leuven, BE)	347
08:52	Assessment of layer strain - Does the concept hold true? N. Ohte (Nagoya, JP)	348
09:15	Right ventricular strain - Better than classical parameters? L. Badano (Padova, IT)	349
09:37	Clinical evidence matters - When and how to use 2D speckle tracking today? T.H. Marwick (Melbourne, AU)	350

08:30 - 10:00 Teaching Course COIMBRA

Basics of cardiac ultrasound

Chairpersons: L. Gargani (Pisa, IT); M. Henein (Umea, SE)

Teaching courses are specifically dedicated to an audience aiming to improve its knowledge and understanding and perfect its skills in a main topic of the Core curriculum of the EACVI.

08:30	Physics, instrumentation and machine settings. A. Hagendorff (Leipzig, DE)	351
08:52	The complete standard echo study. A.A. Zacharaki (Heraklion, GR)	352
09:15	Common mistakes and pitfalls: how to avoid them. K.F. Fox (London, GB)	353
09:37	Facts or artifacts in 2D-Doppler echocardiography. P.M. Vandervoort (Genk, BE)	354

08:30 - 10:00

Symposium

EVORA

Cardiotoxicity in oncology: not only heart failure



Joint session with the Italian Society of Echocardiography and Cardiovascular Imaging (SIECVI)

Chairpersons: N. Cardim (Lisbon, PT); M. Galderisi (Naples, IT)

- | | | |
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| 08:30 | Which drugs causes cardiotoxicity and how do we diagnose.
I.P. Monte (S. Gregorio, IT) | 355 |
| 08:52 | Can we still use ejection fraction for guiding oncologic therapy?
J.C. Plana (Houston, US) | 356 |
| 09:15 | Biomarkers and cardiac imaging for detection of cardiotoxicity: the right balance.
C. Cadeddu Dessalvi (Monserrato, IT) | 357 |
| 09:37 | ESC guidelines on cancer therapy and cardiotoxicity: the place of cardiac imaging.
J.L. Zamorano Gomez (Madrid, ES) | 358 |

08:30 - 10:00

Symposium

GUIMARAES

Heart failure: imaging matters



Session in collaboration with the Heart Failure Association (HFA of the ESC)

Chairpersons: F.J. Pinto (Lisbon, PT); E. Donal (Rennes, FR)

- | | | |
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| 08:30 | Incorporating guidelines and recommendations into clinical practice.
R. Fontes Carvalho (Porto, PT) | 359 |
| 08:52 | Systolic function in 2018: it's really about twisting and deformation.
B.L.M. Gerber (Woluwe-St. Lambert, BE) | 360 |
| 09:15 | Diastolic function in 2018: it's really about suction and relaxation.
B.A. Popescu (Bucharest, RO) | 361 |
| 09:37 | Advances in pharmacological treatment.
S.D. Anker (Berlin, DE) | 362 |

08:30 - 10:00

Symposium

GUARDA

Where clinicians and engineers look into the future

Chairpersons: J. D'hooge (Leuven, BE); A. Hernandez (Rennes, FR)

- | | | |
|-------|--|-----|
| 08:30 | High frame rate imaging: technique and applications.
H. Vos (Rotterdam, NL) | 363 |
| 08:52 | Clinical value of high frame rate imaging.
M. Strachinaru (Rotterdam, NL) | 364 |
| 09:15 | 3D printing: technique and applications.
I.V. Valverde Perez (Seville, ES) | 365 |
| 09:37 | 3D printing of AV valves: its clinical value.
O. Pappalardo (Milan, IT) | 366 |

08:30 - 10:00

Rapid Fire Abstract

AGORA

The additional role of Nuclear Cardiology/Computed Tomography imaging in difficult patients

Chairpersons: P. Knaapen (Amsterdam, NL); A.J.H.A. Scholte (Leiden, NL)

- | | | |
|-------|---|-----|
| 08:30 | Panel of experts:
E. Reyes (London, GB); A. Saraste (Turku, FI) | 367 |
| 08:30 | Stress computed tomographic perfusion improve diagnostic accuracy of coronary computed tomographic angiography in intermediate to high risk patients for coronary artery disease
M. Guglielmo, A.I. Guaricci, A. Baggiano, F. Fazzari, D. Andreini, G. Calligaris, S. Galli, G. Teruzzi, D. Trabattoni, F. Fabbicchi, A. Lualdi, P. Montorsi, A. Bartorelli, M. Pepi, G. Pontone (Milan, Bari and Palermo, IT) | 368 |

08:30 - 10:00

Rapid Fire Abstract

AGORA

The additional role of Nuclear Cardiology/Computed Tomography imaging in difficult patients (continued)

- 08:39 **Diagnostic value of 99mTc-HMPAO-labeled leukocyte SPECT/CT and transthoracic echocardiography in infective endocarditis** 369
K. Holcman, M. Kostkiewicz, W. Szot, S. Wisniewska-Smialek, P. Rubis, A. Lesniak-Sobelga, M. Hlawaty, P. Podolec (Kraków, PL)
- 08:48 **Diagnostic accuracy of coronary ct angiography performed with a novel whole-heart coverage high-definition ct scanner in patients with coronary artery bypass graft** 370
D. Andreini, S. Mushtaq, E. Conte, M. Guglielmo, A. Baggiano, F. Fazzari, A. Annoni, A. Formenti, M. Verdecchia, E. Mancini, S. Zanchi, V. Ditali, G. Pontone, C. Fiorentini, M. Pepi (Milan, IT)
- 08:57 **Radiomics can identify napkin-ring plaques on coronary CT angiography images** 371
M. Kolossvary, J. Karady, B. Szilveszter, P. Kitslaar, B. Merkely, P. Maurovich-Horvat (Budapest, HU; Leiden, NL)
- 09:06 **Diagnostic yield and long-term prognostic value of myocardial perfusion imaging in patients undergoing kidney transplant** 372
B. Berlot, B. Guzik-Salobir, M. Stalc, M. Novak-Dolenc, B. Jug (Ljubljana, SI)
- 09:15 **The additional role of nuclear imaging techniques in the diagnosis of infective endocarditis.** 373
F. Panzeri, M.C. Ferrara, A. Moreo, B. De Chiara, F. Musca, F. Casadei, O. Belli, F. Spano', G. Santambrogio, C. Giannattasio (Milan, IT)
- 09:24 **Factors influencing left ventricular phase analysis: a novel SPECT technique for left ventricular dyssynchrony** 374
R. Xavier, A.J. Barron, E. Reyes, M. Al-Housni, S.R. Underwood (London, GB)
- 09:33 **Left ventricular mechanical dyssynchrony as assessed by quantitative gated SPECT in patients with left ventricular systolic dysfunction** 375
Y. Mahmoud, M. Rayan, M. Rabea, S. Eldemerdash (Cairo, EG)
- 09:42 **Familial combined hyperlipidaemia shows increased vascular inflammation compared to heterozygous familial hypercholesterolaemia: insights from an in- vivo imaging study.** 376
G. Benetos, K. Toutouzas, I. Koutagiar, J. Skoumas, N. Pianou, A. Antonopoulos, A. Georgakopoulos, P. Kafouris, G. Spyrou, C. Aggeli, D. Cokkinos, D. Tousoulis, C.D. Anagnostopoulos (Athens, GR)
- 09:51 **Assessment of myocardial perfusion using dynamic dual source computed tomography in patients with anatomically intermediate coronary artery stenoses.** 377
A. Oleksiak, C. Kepka, M. Kruk, M. Spiewak, B. Milosz-Wieczorek, M. Marczak, J. Misko, M. Demkow (Warsaw, PL)

08:30 - 10:00

Workshop

TOE Room

Focus on critical patient in CCU



To provide basic skills in probe manipulation to obtain standard views and knowledge on spatialanatomic relationships by 2D/3D TOE echocardiography using modern training equipment

- 08:30 **Presenters:** 378
H. Skinner (Nottingham, GB); S. Gianstefani (Pesaro, IT)

10:00 - 11:00

Abstract Session

AGORA

Young Investigator Award session - Basic Science

Chairpersons: T. Edvardsen (Oslo, NO); B. Cosyns (Brussels, BE)

Judges: J.U. Voigt (Leuven, BE); V. Delgado (Leiden, NL); D. Neglia (Pisa, IT); G. Di Salvo (London, GB); B.L.M. Gerber (Woluwe-St. Lambert, BE)

The abstract will be presented in one of the Young Investigator Award Sessions.

- 4 oral presentations will be held during the session.

- Sessions will be chaired by senior faculty members and presentations evaluated by a panel of renowned judges.

- Each presenter has 15 minutes to present the research.

- The powerpoint presentation should not exceed 10 minutes to allow for 5 minutes question-and answer period with the Chairpersons and the Judges.

- The presenter will be evaluated on: Originality, Scientific content and Presentation

- | | | |
|-------|---|-----|
| 10:00 | The development of the fetal myocardium: the impact of fiber orientation on the left ventricular diastolic compliance | 379 |
| | B. Castaldi, A. Angelini, E. De Filippi, F. Susin, I. Cattapan, M. Fedrigo, D. Boso, P. Peruzzo, G. Comunale, O. Milanese (Padua, IT) | |
| 10:15 | Negative crosstalk between left ventricular lateral wall and septum in left bundle branch block: «the lateral wall paradox | 380 |
| | J. Aalen, C.K. Larsen, E. Hopp, O.S. Andersen, M.R. Krogh, H.H. Odland, E. Kongsgard, H. Skulstad, E.W. Remme, O.A. Smiseth (Oslo, NO) | |
| 10:30 | Left ventricular mechanical dispersion measured with two-dimensional speckle tracking echocardiography predicts severe arrhythmic events in patients with ischemic and non-ischemic cardiomyopathy. | 381 |
| | H. Rodriguez Zanella, F. Boccacini, E. Secco, D. Muraru, P. Aruta, R. Tenaglia, N. Ruozi, G. Sammarco, D. Genovese, J.A. Arias Godinez, E. Alexanderson, E. Bertaglia, S. Iliceto, L.P. Badano (Mexico City, MX; Padua, IT) | |
| 10:45 | Prevalence of ascending thoracic aortic dilatations based upon absolute and individual predicted normal aortic size measured by CT and echocardiography. A substudy from the DANCAVAS trial | 382 |
| | L.M. Obel, J.S. Lindholt, T. Leetmaa, J.S. Dahl, J.E. Moller, A.S. Bovling, F.H. Steffensen, L. Frost, J. Lambrechtsen, M. Busk, G. Urbonaviciene, K. Egstrup, A.C. Diederichsen (Odense, Vejle, Silkeborg and Svendborg, DK) | |

10:00 - 11:00

Moderated Posters

MODERATED POSTER AREA

Clinical cases moderated - The nightmare of aortic syndromes: be prepared to survive

Chairpersons: A. Evangelista Masip (Barcelona, ES); F. Antonini-Canterin (Pordenone, IT)

- | | | |
|--|---|------|
| | Re-dissection of a previous type A aortic dissection treated with endovascular repair. | P383 |
| | M.B. Castro Verdes (A Coruna, ES) | |
| | Slight back pain, large abdominal mass | P384 |
| | I. Aguiar Ricardo (Lisbon, PT) | |
| | Aortic intramural haematoma - a specific form of acute aortic syndrome | P385 |
| | M.A. Zurawska (Warszawa, PL) | |
| | Voluminous ascending aortic pseudoaneurysm compressing the right pulmonary artery: unusual cause of cough and dyspnea | P386 |
| | M. Kozel (Prague, CZ) | |
| | The long road home following spontaneous coronary artery dissection via veno-arterial extracorporeal membrane oxygenation: guided by transoesophageal echocardiography | P387 |
| | R. Fisher (London, GB) | |
| | A 32-year-old man with acute onset pain in the chest | P388 |
| | I.H. Tai (Kaohsiung, TW) | |

10:10 - 10:50

Special Session

LISBOA

Cardiac Imaging Quiz 1 (Echocardiography) - Solving great mysteries in cardiac imaging

Mobile App - Vote and Ask a Question

Chairpersons: J.L. Zamorano Gomez (Madrid, ES); P. Nihoyannopoulos (London, UK)



- | | | |
|-------|--|-----|
| 10:10 | Mobile App interactive session. | |
| 10:23 | Mysterious cases in transthoracic echocardiography. | 389 |
| | R. Fontes Carvalho (Porto, PT) | |
| 10:36 | Diagnostic conundrums in transesophageal echo. | 390 |
| | L. Badano (Padova, IT) | |

10:10 - 10:55

How-to Session

PORTO

How to analyze a CMR exam - Tips for beginners

EACVI HIT (Heart Imagers of Tomorrow)



Chairperson: S. Mohareem-Elgamal (Cairo, EG)

How-to session provides practical details and tools or tips and tricks on a specific topic related to the research. These sessions are built to help attendees to improve their experiences to complete successfully research project: from founding and grant application, to data analysis, results presentation and publication.

10:10 **Presenter:**

C. Bucciarelli-Ducci (Bristol, GB)

391

11:00 - 12:30

Main Session

LISBOA

How to use cardiac imaging to discover early heart failure in cardiomyopathies?

Mobile App - Vote and Ask a Question



Chairpersons: E. Plonska-Gosciniak (Szczecin, PL); N. Weissman (Washington, US)

11:00 **Mobile App Interactive Session.**

11:00 **Hypertrophic cardiomyopathy.**

N. Cardim (Lisbon, PT)

392

11:22 **Dilated cardiomyopathy.**

E. Donal (Rennes, FR)

393

11:45 **Arrhythmogenic cardiomyopathy.**

K.H. Haugaa (Oslo, NO)

394

12:07 **Non-compaction cardiomyopathy.**

M. Cikes (Zagreb, HR)

395

11:00 - 12:30

Clinical Imaging

PORTO

Imaging native and prosthetic valves: become a master

Chairpersons: B. Chambers (London, GB); M. Pepi (Milan, IT)

11:00 **What do the 2017 ESC guidelines say.**

L. Ernande (Paris, FR)

396

11:22 **The EACVI approach on the assessment of valvular prostheses.**

P. Pibarot (Quebec, CA)

397

11:45 **Prosthetic valves and devices endocarditis.**

G. Habib (Marseille, FR)

398

12:07 **Percutaneous valves and devices: what's new?**

J.L. Cavalcante (Pittsburgh, US)

399

11:00 - 12:30

Debate Session

FARO

Is advanced assessment of LV function ready for prime time?

Chairpersons: W. Jaber (Cleveland, US); G. Karatasakis (Athens, GR)

11:00 **Strain parameters are useful in the daily practice. PRO.**

T.H. Marwick (Melbourne, AU)

400

11:22 **Strain parameters are not ready for clinical decision making in the single patient. CON.**

F. Flachskampf (Uppsala, SE)

401

11:45 **LV fibrosis assessment using CMR: useful in the daily practice. PRO.**

V. Maestrini (Roma, IT)

402

12:07 **LV fibrosis assessment using CMR: not ready for clinical decision making in the single patient. CON**

M. Desai (Cleveland, US)

403

11:00 - 12:30

Teaching Course

COIMBRA

Basics of 2D cardiac assessment

Chairpersons: R. Steeds (Birmingham, GB); P. Lipiec (Lodz, PL)

Teaching courses are specifically dedicated to an audience aiming to improve its knowledge and understanding and perfect its skills in a main topic of the Core curriculum of the EACVI.

11:00	Left ventricular size and systolic function.	404
	A. Nossikoff (Sofia, BG)	
11:22	Left ventricular diastolic function.	405
	O.A. Smiseth (Oslo, NO)	
11:45	Right ventricular size and function.	406
	R.O. Jurcut (Bucharest, RO)	
12:07	Atrial size and function.	407
	L. Thomas (Sydney, AU)	

11:00 - 12:30

Symposium

EVORA

The role of stress echocardiography in non-ischemic heart disease

Joint session with the Korean Society of Echocardiography (KSE)



Chairpersons: S.W. Park (Seoul, KR); R. Sicari (Pisa, IT)

11:00	Valvular regurgitation.	408
	G.R. Hong (Seoul, KR)	
11:22	Valvular stenosis.	409
	A. Theodosis (Athens, GR)	
11:45	Cardiomyopathies.	410
	F. Bandera (San Donato Milanese, IT)	
12:07	Pulmonary arterial hypertension.	411
	J.-W. Ha (Seoul, KR)	

11:00 - 12:30

Symposium

GUIMARAES

Echocardiography to guide interventions - case-based session

Joint session with the Canadian Society of Echocardiography (CSE)



Chairpersons: L. Rudski (Cote St Luc, CA); L.E. Sade (Ankara, TR)

11:00	The evolving role of echocardiography for new interventions for structural heart diseases.	412
	E. Agricola (Milan, IT)	
11:22	Echocardiography for percutaneous valve repair.	413
	A. Bernard (Tours, FR)	
11:45	Plugging the left atrial appendage.	414
	A. Basmadjian (Montreal, CA)	
12:07	Echo in prosthetic valves: when it matters!	415
	F. Tournoux (Montreal, CA)	

11:00 - 12:30

Symposium

GUARDA

Critical care echocardiography

EACVI HIT (Heart Imagers of Tomorrow)



Chairpersons: S. Mihaila (Bucuresti, RO); B.W. Michalski (Ksawerow, PL)

11:00	How to assess volume status by echo?	416
	H. Soliman (London, GB)	
11:22	How to evaluate shock by echo ?	417
	R.C. Vidal Perez (Lugo, ES)	
11:45	Echo as a non-invasive Cath (CVP, PCWP).	418
	M. Cameli (Siena, IT)	
12:07	Echocardiography in cardiac arrest.	419
	O. Tok (Istanbul, TR)	

11:00 - 12:30

Clinical Cases

AGORA

HIT the case!

EACVI HIT (Heart Imagers of Tomorrow)



Chairpersons: C. Sousa (Porto, PT); J.R. Lindner (Portland, US)

Young clinicians will present their cases and experts will be asked to moderate the sessions, facilitate interaction with the audience, prompt discussions, challenge the presenters and the audience.

The main objective of the session is to learn from challenging clinical case scenarios

11:00	Panel of experts:	420
	S. Loizos (Athens, GR); N. Kagiya (Pittsburgh, US)	
11:00	A complicated «one segment» myocardial disease: the rule of cardiovascular imaging	421
	A.R. Pereira (Almada, PT)	
11:09	Transthoracic echocardiography for diagnosis of anomalous origin of the left descending coronary artery from the pulmonary artery in 64-year-old woman	422
	N.N. Gladkikh (Tomsk, RU)	
11:18	A huge coronary artery fistula masquerading under atrial septal defect	423
	A. Mirdamamdi (Isfahan, IR)	
11:27	An unexpected cause of pericarditis	424
	S. Cardoso Torres (Porto, PT)	
11:36	Arrhythmic storm in a young man with atrio-ventricular block and a pacemaker. The additional role of Two-Dimensional Speckle-Tracking and Three-Dimensional Echocardiography to identify the diagnosis	425
	A. Niero (Dolo, IT)	
11:45	Pseudoaneurysm, multimodality imaging and heart team: a rare and complex finding behind chest pain	426
	J. Sousa (Funchal, PT)	
11:54	Left ventricular myocardial cleft in a patient with dilated cardiomyopathy, a challenging diagnosis with important prognostic implications	427
	A.M. Chitroceanu (Bucharest, RO)	
12:03	Loeffler's endocarditis without peripheral hypereosinophilia	428
	P. Kogoj (Ljubljana, SI)	
12:12	Left ventricular spontaneous echo contrast in a young patient with acute myocarditis complicated by cardioembolic stroke. When there's smoke there's fire?	429
	M. Previato (Noventa Padovana, IT)	
12:21	Difficult diagnosis and special characteristics of mycobacterium chimaera endocarditis.	430
	R. Fernandez Galera (Vila Real, ES)	

11:00 - 12:30

Workshop

TOE Room

Focus on prosthetic valves



To provide basic skills in probe manipulation to obtain standard views and knowledge on spatialanatomic relationships by 2D/3D TOE echocardiography using modern training equipment

11:00 **Presenters:**
A.E. Freitas (Oeiras, PT); C.C. Beladan (Bucharest, RO)

431

12:45 - 13:45

Satellite Symposium

PORTO

Contrast echocardiography: clinical guidelines and evidences Sponsored by Bracco

Chairperson: T. Porter (Omaha Ne, US)

The objectives of the session are:

- To understand the current technical and quality standards of rest and stress echocardiography
- To understand the evidence based use of contrast enhancement in echocardiography
- To learn the indications for contrast echocardiography based on the 2017 EACVI guidelines
- To understand the clinical value of contrast enhancement in the recommended indications based on clinical from daily routine

12:45	Introduction - Contrast echocardiography: clinical guidelines and evidences. T. Porter (Omaha Ne, US)	432
12:55	EACVI guidelines on contrast echocardiography: update 2017. R. Senior (London, GB)	433
13:15	Clinical cases illustrating the EACVI Contrast Echocardiography guideline. N. Gaibazzi (Parma, IT)	433b
13:30	Q&A and conclusion - Contrast echocardiography: clinical guidelines and evidences. T. Porter (Omaha Ne, US)	434

12:45 - 13:45

Satellite Symposium

FARO

How can echo and cardiac fusion imaging help cardiologists even more? Sponsored by Philips Healthcare

Chairpersons: K. Tiemann (Munich, DE); M.J. Monaghan (London, GB)

The learning objectives of this session are:

We will explore recent developments in heart model based automated 3D left heart volumetry, before learning the latest news in management of patients with mitral regurgitation and atrial fibrillation. Finally, we will discover clinical benefits of a miniaturized, fully functional TEE transducer. Join this session to find out how these innovations are relevant to you

12:45	Opening remarks - How can echo and cardiac fusion imaging help cardiologists even more? K. Tiemann (Munich, DE)	435
12:47	Where is the automatic 3D left heart volumetry today? J.L. Zamorano Gomez (Madrid, SP)	436
13:05	Mitral regurgitation and atrial fibrillation: challenges addressed by cardiac imaging. R.S. Von Bardeleben (Mainz, DE)	437
13:24	Can a very small transducer have a big clinical impact? M. Barreiro Perez (Salamanca, SP)	438
13:43	Closing remarks - How can echo and cardiac fusion imaging help cardiologists even more? M.J. Monaghan (London, UK)	438b

12:45 - 13:45

Satellite Symposium

EVORA

Clinical value of advanced ultrasound cardiac analysis for the daily routine Sponsored by Toshiba Medical Systems

Chairpersons: H.-J. Nesser (Linz, AT); L. Perez De Isla (Madrid, ES)

12:45	Clinical cases using advanced LV function analysis. T. Binder (Vienna, AT)	439
13:05	Clinical cases using 3D WMT in daily practice. H.-J. Nesser (Linz, AT)	440
13:25	2D and 3D wall motion tracking in sport-medicine. M. Sitges (Barcelona, ES)	441

12:45 - 13:45

Moderated Posters

MODERATED POSTER AREA

Pathophysiological insights for diagnosis and prognosis using advanced cardiovascular magnetic resonance imaging

Chairpersons: R. Nijveldt (Amsterdam, NL); G. Novo (Palermo, IT)

- A cardiac magnetic resonance and Doppler echocardiography study: left atrial blood flow, left ventricular diastolic function and interstitial fibrosis in hypertrophic cardiomyopathy.** P442
C. Contaldi, L. Choudhury, B. Allen, D.C. Lee, J. Carr, A.J. Barker, Q. Ciampi, B. Villari, M. Markl, R.O. Bonow (Benevento, IT; Chicago, US)
- Prognostic impact and temporal changes within mechanical dyssynchrony and rotational mechanics in takotsubo syndrome: a cardiovascular magnetic resonance imaging study** P443
S.J. Backhaus, T. Stiermaier, T. Lange, A. Chiribiri, P. Lamata, J. Uhlig, J. Kowallick, A. Villa, G. Hasenfuss, H. Thiele, I. Eitel, A. Schuster (Göttingen and Lübeck, DE; London, GB)
- Cardiac magnetic resonance myocardial feature tracking for optimized prediction of cardiovascular events following myocardial infarction** P444
I. Eitel, T. Stiermaier, T. Lange, K. Rommel, J.T. Kowallick, J. Lotz, G. Hasenfuss, H. Thiele, A. Schuster (Luebeck, Goettingen and Leipzig, DE)
- Assessment of reverse remodeling predicted by myocardial deformation on tissue tracking in patients with severe aortic stenosis: a cardiac magnetic resonance imaging study** P445
J.I.-W. Hwang, S. Kim, S.-J.I. Park, E. Kim, S.-A. Chang, S.-C. Lee, Y. Choe, S.Park, S. Lee (Seoul, KR)
- Flow dynamics and aortic arch dilation in bicuspid aortic valve assessed by 4D flow CMR** P446
L. Dux-Santoy, A. Guala, J.F. Rodriguez-Palomares, G. Teixido-Tura, G. Maldonado, N. Villalva, F. Valente, L. Galian, M. Huguet, L. Gutierrez, T. Gonzalez-Alujas, R. Fernandez, A. Sao-Aviles, D. Garcia-Dorado, A. Evangelista (Barcelona, ES)
- Usefulness of cardiac magnetic resonance flow assesment to predict need for invasive treatment in aortic coarctation** P447
B.I.M. Igual-Munoz, A.M.G. Maceira-Gonzalez Alicia, F.J.V.M. Valera Martinez, D.D.V. Domingo-Valero, J.E.E. Estornell Erill, A.M.A. Montero-Argudo Anastasio, A.V.S. Vazquez-Sanchez, R.P.S. Paya Serrano, S.M.C. Morell Cabedo (Valencia, ES)
- Ascending and descending aorta biomechanics in a bicuspid aortic valve population** P448
A. Guala, L. Dux-Santoy, J. Rodriguez-Palomares, G. Teixido-Tura, G. Maldonado, N. Villalva, F. Valente, L. Galian, M. Huguet, L. Gutierrez, T. Gonzalez-Alujas, R. Fernandez, A. Sao-Aviles, D. Garcia-Dorado, A. Evangelista (Barcelona, ES)
- The role of wall shear stress and oscillatory shear index in ascending aorta dilation in bicuspid aortic valve** P449
L. Dux-Santoy, A. Guala, J.F. Rodriguez-Palomares, J. Sotelo, D. Hurtado, G. Teixido-Tura, G. Maldonado, N. Villalva, F. Valente, L. Galian, L. Gutierrez, T. Gonzalez-Alujas, D. Garcia-Dorado, S. Uribe, A. Evangelista (Barcelona, ES; Santiago de Chile, CL)

12:45 - 13:45

Moderated Posters

MODERATED POSTER AREA

Mitral regurgitation in the era of edge-to-edge percutaneous procedure

Chairpersons: B. Merkely (Budapest, HU); V.M. Parato (San Benedetto Del Tronto, IT)

- Correlation between acute effects of mitralclip on mitral valve shape and favorable three dimensional remodeling of cardiac chambers in patients with functional and organic mitral regurgitation** P450
A. Pasquini, L. Agati, G. Tamborini, L. Fusini, V. Mantegazza, M. Muratori, P. Gripari, M. Pepi (Rome and Monzino, IT)
- Echocardiographic-fluoroscopic fusion imaging: a systematic protocol for more immediate and intuitive intraprocedural monitoring of percutaneous mitral valve repair with Mitraclip** P451
S. Stella, C. Capogrosso, F. Ancona, C. Marini, L. Italia, M. Montorfano, A. Latib, V. Romano, A. Colombo, E. Agricola (Milan, IT)
- Impact of left ventricular disease on mitral valve repair with the MitraClip System: one-year outcomes from the GRASP registry.** P452
A.M. Caggegi, P. Capranzano, C. Ruggieri, G. Ronsivalle, A. Popolo Rubbio, M. Chiaranda', T. Salerno, S. Giaquinta, S. Mangiafico, S. Farruggio, G. Castania, M.E. Di Salvo, C. Grasso, S. Scandura, C. Tamburino (Catania, IT)
- Value of intraprocedural pressure monitoring during interventional valve repair depends on etiology of mitral regurgitation.** P453
B. Goebel, I. Rohm, N. Wystub, A. Hamadanchi, P.C. Schulze, T.C. Poerner (Jena, DE)
- Multiparametric evaluation of percutaneous mitral valve repair (MitraClip) after 3 months** P454
C. Vignati, V. Mantegazza, L. Fusini, P. Gripari, G. Tamborini, M. Muratori, S. Ghulam Ali, M. Mapelli, M. Pepi, P. Agostoni (Milan, IT)

12:45 - 13:45

Moderated Posters

MODERATED POSTER AREA

Mitral regurgitation in the era of edge-to-edge percutaneous procedure (continued)

- | | |
|---|------|
| Echocardiographic predictors for a single vs. multclip strategy in percutaneous mitral valve repair.
B. Goebel, N. Wystub, I. Rohm, A. Hamadanchi, C. Jung, P.C. Schulze, T.C. Poerner (Jena and Duesseldorf, DE) | P455 |
| Impact of interventional edge-to-edge repair whit MitraClip system on mitral valve geometry in patients with secondary mitral regurgitation
S. Cimino, M. Pagliaro, A. Pasquini, V. Maestrini, M. Reali, D. Filomena, M. Mancone, G. Sardella, L. Agati (Rome, IT) | P456 |
| Annular systolic function, but not shape, is significantly affected by percutaneous mitral valve repair
A.J. Barron, S. Chotai, L. Kelly, R. Smith (London, GB) | P457 |

14:00 - 15:30 Main Session LISBOA

Contemporary use of cardiac imaging in heart failure

Chairpersons: A. Hagendorff (Leipzig, DE); A. Varga (Szeged, HU)

- | | | |
|-------|---|-----|
| 14:00 | What are the best prognostic markers in heart failure - imaging markers vs other biomarkers.
T. Edvardsen (Oslo, NO) | 458 |
| 14:22 | When and how to image patients with hypertensive disease?
A.G. Fraser (Cardiff, GB) | 459 |
| 14:45 | Imaging in athletes - how to identify heart failure and when to stop exercise?
S. Caselli (Rome, IT) | 460 |
| 15:07 | How to use cardiac imaging for therapeutic guidance in heart failure.
I. Stankovic (Belgrade, RS) | 461 |

14:00 - 15:30 Clinical Imaging PORTO

Advances in the cath lab I

Chairpersons: G. Habib (Marseille, FR); P. Pibarot (Quebec, CA)

- | | | |
|-------|--|-----|
| 14:00 | Incorporating guidelines and recommendations into clinical practice.
V. Rigolin (Chicago, US) | 462 |
| 14:22 | Imaging during the procedure: what the interventional cardiologist wants to know?
M.J. Swaans (Hedel, NL) | 463 |
| 14:45 | Show me five complications I should never miss!
J.A. Abecasis (Lisbon, PT) | 464 |
| 15:07 | Old and new percutaneous aortic valves and devices.
H. Michelena (Rochester, US) | 465 |

14:00 - 15:30 Symposium FARO

Do you understand CRT?

Chairpersons: L. Herbots (Hasselt, BE); J. Gorcsan (St. Louis, US)

- | | | |
|-------|--|-----|
| 14:00 | Modelling LV mechanics. - How to link load, delay and deformation?
J. Lumens (Maastricht, NL) | 466 |
| 14:22 | Standards and options - How to predict and measure CRT success?
L.E. Sade (Ankara, TR) | 467 |
| 14:45 | Patterns of motion and deformation - What can they add?
P. Sogaard (Aalborg, DK) | 468 |
| 15:07 | ECG, echo and more - How to characterize the perfect patient?
B. Bijnens (Barcelona, ES) | 469 |

14:00 - 15:30 Teaching Course COIMBRA

Valvular heart disease 1

Chairpersons: J.D. Kasprzak (Lodz, PL); A.M. Iliesiu (Bucharest, RO)

Teaching courses are specifically dedicated to an audience aiming to improve its knowledge and understanding and perfect its skills in a main topic of the Core curriculum of the EACVI.

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|-------|--|-----|
| 14:00 | Mitral stenosis
S. Sengupta (Nagpur, IN) | 470 |
| 14:22 | Mitral regurgitation
F. Mantovani (Reggio Emilia, IT) | 471 |
| 14:45 | Aortic stenosis
A. Calin (Bucharest, RO) | 472 |
| 15:07 | Aortic regurgitation.
K. Yiangou (Nicosia, CY) | 473 |

14:00 - 15:30

Symposium

EVORA

Putting the right perspective on speckle tracking strain, is it all about

Joint session with the Turkish Working Group of Cardiac Imaging



Chairpersons: M.S. Kucukoglu (Istanbul, TR); J. Separovic Hanzevacki (Zagreb, HR)

- | | | |
|-------|--|-----|
| 14:00 | What does strain tell us in ischemic heart disease? | 474 |
| | S. Unlu (Ankara, TR) | |
| 14:22 | Left atrial strain: why do we need it? | 475 |
| | E. Donal (Rennes, FR) | |
| 14:45 | Strain in dyssynchrony: what is relevant? | 476 |
| | N. Risum (Koebenhavn V, DK) | |
| 15:07 | What is the additive role of assessing diastolic strain? | 477 |
| | E. Eroglu (Istanbul, TR) | |

14:00 - 15:30

Symposium

GUIMARAES

The fantastic 4: the 4 best papers of my journal in 2017

Chairpersons: H. Feigenbaum (Indianapolis, US); B.L.M. Gerber (Woluwe-St. Lambert, BE)

- | | | |
|-------|--|-----|
| 14:00 | Circulation cardiovascular imaging. | 478 |
| | L.D. Gillam (Morristown, US) | |
| 14:22 | Journal of the American College of Cardiology Imaging. | 479 |
| | C. Shekhar (Edina, US) | |
| 14:45 | Journal of the American Society of Echocardiography. | 480 |
| | A.S. Pearlman (Seattle, US) | |
| 15:07 | European Heart Journal-Cardiovascular Imaging. | 481 |
| | G. Maurer (Vienna, AT) | |

14:00 - 15:30

Symposium

GUARDA

Aortic regurgitation and the aorta

Joint session with the Saudi Heart Association (SHA)



Chairpersons: E. Agricola (Milan, IT); A.J. Kinsara (Jeddah, SA)

- | | | |
|-------|---|-----|
| 14:00 | Natural history of the bicuspid aortic valve. | 482 |
| | J. Alraimi (Jeddah, SA) | |
| 14:22 | Pitfalls in quantifying aortic valve stenosis in case of bicuspid valve. | 483 |
| | K.F. Fox (London, GB) | |
| 14:45 | Pitfalls in quantifying aortic valve regurgitation in case of bicuspid valve. | 484 |
| | F.A. Dalak (Riyadh, SA) | |
| 15:07 | How to follow a patient with a dilated aorta. | 485 |
| | G. Athanassopoulos (Pireas, GR) | |

14:00 - 15:30

Rapid Fire Abstract

AGORA

Assessment of LV performance

Chairpersons: T.H. Marwick (Melbourne, AU); M. Takeuchi (Kitakyushu, JP)

- | | | |
|-------|--|-----|
| 14:00 | Panel of experts:
E. Galli (Rennes, FR); S. Wiegers (Philadelphia, US) | 486 |
| 14:09 | Guideline based selection of cardiac resynchronization therapy recipients- What can mechanical dyssynchrony assessment add?
A. Abbas, I. Stankovic, A. Ciarka, A. Daraban, M. Aarones, M. Szulik, S. Winter, A. Neskovic, T. Kukulski, S. Aakhus, R. Willems, W. Fehske, M. Penicka, L. Faber, J.U. Voigt (Leuven and Aalst, BE; Belgrade, RS; bucharest, RO; Oslo, NO; Silesia, PL; cologne and Bad Oeynhausen, DE) | 488 |
| 14:18 | Myocardial contraction fraction is superior to ejection fraction in predicting functional capacity in patients with heart failure
Y. Mahmoud, R. Raymond, H. Addow (Cairo, EG) | 489 |
| 14:27 | Pressure-strain loops in the evaluation of left bundle branch block: septal function is aggravated by increased afterload
J. Aalen, J. Hisdal, P. Storsten, E.W. Remme, C.K. Larsen, P.A. Sirnes, O. Gjesdal, H. Skulstad, O.A. Smiseth (Oslo and Moss, NO) | 490 |
| 14:36 | Vortex intensity is associated with left ventricular longitudinal function
L. Takahashi, T. Uejima, H. Nishikawa, H. Semba, H. Sawada, D. Chikamori, T. Yamashita (Tokyo, JP) | 491 |
| 14:45 | Gender differences in prevalence of mechanical dyssynchrony among LBBB patients
J. De Pooter, V. Kamoen, M. El Haddad, R. Stroobandt, M. De Buyzere, L. Jordaens, F. Timmermans (Ghent, BE) | 492 |
| 14:54 | Radial artery tonometry to determine cardiac output in left ventricular assist device patients: A comparison with transthoracic echocardiography
R. Zayat, J.Y. Lee, H.J. Kang, A. Aljalloud, G. Musetti, S.H. Jansen-Park, R. Autschbach, A. Goetzenich, N. Hatam (Aachen, DE; Gyeonggi-do, KP) | 493 |
| 15:03 | Delayed echocardiographic response after cardiac resynchronization therapy has also a good prognostic impact
A.R. Marinheiro, L. Parreira, P. Amador, C. Sa, T. Duarte, M. Fonseca, J. Farinha, S. Goncalves, R. Rodrigues, I. Silvestre, L. Bernardino, C. Antunes, R. Caria (Setubal, PT) | 494 |
| 15:12 | Strain analysis and myocardial viability: a comparative study of cardiac magnetic resonance and stress echocardiography
F. Valente, L. Gutierrez, G. Maldonado, V. Pineda, A. Sao-Aviles, G. Garcia, R. Fernandez, M. Espriu, G. Teixido, M.T. Gonzalez-Alujas, D. Garcia-Dorado, A. Evangelista, J.F. Rodriguez-Palomares (Barcelona, ES) | 495 |
| 15:21 | High-risk patients with mild-moderate left ventricular dysfunction after a previous myocardial infarction: a long-term prognostic data by cardiac magnetic resonance.
D. Di Nunzio, G.D. Aquaro, P. Piaggi, S. Carerj, A. Pingitore, G. Di Bella (Messina and Pisa, IT) | 496 |

14:00 - 15:30

Workshop

TOE Room

Focus on Mitraclip

To provide basic skills in probe manipulation to obtain standard views and knowledge on spatialanatomic relationships by 2D/3D TOE echocardiography using modern training equipment



- | | | |
|-------|--|-----|
| 14:00 | Presenters:
N. Ajmone Marsan (Leiden, NL); M. Pepi (Milan, IT) | 497 |
|-------|--|-----|

15:30 - 16:30

Abstract Session

AGORA

Young Investigator Award session - Clinical Science - The Roelandt's Young Investigator Award

Chairpersons: B.A. Popescu (Bucharest, RO); G. Habib (Marseille, FR)

Judge(s): S. Nakatani (Takarazuka, JP); E. Donal (Rennes, FR); G. Maurer (Vienna, AT); P. Lancellotti (Liege, BE); V. Rigolin (Chicago, US)

The abstract will be presented in one of the Young Investigator Award Sessions.

- 4 oral presentations will be held during the session.

- Sessions will be chaired by senior faculty members and presentations evaluated by a panel of renowned judges.

- Each presenter has 15 minutes to present the research.

- The powerpoint presentation should not exceed 10 minutes to allow for 5 minutes question-and answer period with the Chairpersons and the Judges.

- The presenter will be evaluated on: Originality, Scientific content and Presentation

15:30	Quantitative assessment of tricuspid regurgitation	498
	Y. Peri, R. Beinart, G. Topaz, Y. Topilsky (Kfar Saba, Tel Hashomer and Tel Aviv, IL)	
15:45	Global longitudinal strain decreases months before acute humoral but not before acute cellular rejection episode in heart transplant recipients	499
	F. Cordeiro, A. Ciarka, A. Bellmans, J. Van Cleemput, W. Droogne, G. Voros, J.U. Voigt (Leuven, BE)	
16:00	Harmful effects of exercise intensity and exercise duration in patients with arrhythmogenic cardiomyopathy	500
	O.H. Lie, L.A. Dejgaard, J. Saberniak, C. Rootwelt, M.K. Stokke, T. Edvardsen, K.H. Haugaa (Oslo, NO)	
16:15	Exercise stress echocardiography in childhood cancer survivors. Utility in detecting abnormal individual myocardial response.	501
	B. Cifra, A. Gragulescu, C. Manhiot, C.S. Fan, K.M. Friedberg, P.C. Nathan, L. Mertens (Toronto, CA)	

15:30 - 16:30

Moderated Posters

MODERATED POSTER AREA

Clinical cases moderated - Myocardial disease: see that case at least once!

Chairpersons: M. Dorobantu (Bucharest, RO); N. Ohte (Nagoya, JP)

Myopericarditis in a patient with Crohn's disease: extraintestinal manifestation or drug-induced?	P502
J.B. Augusto (Amadora, PT)	
Sudden cardiac arrest in patient with inflammatory cardiomyopathy	P503
V. Chubuchnyy (Pisa, IT)	
Unusual infiltrative progression after optimal substitutive therapy.	P504
N.E. Villalva (Barcelona, ES)	
Noncompaction cardiomyopathy misdiagnosed as dilated cardiomyopathy	P505
H. Phan (Hcm City, VN)	
Dramatic reversal of dilated cardiomyopathy caused by severe hypocalcaemia	P506
K. Chan (London, GB)	
Churg-Strauss syndrome: a rare cause of myocarditis	P507
P.M. Araujo (Vila. Nova De Famalicao, PT)	

15:40 - 16:25

How-to Session

PORTO

How to write a good abstract

EACVI HIT (Heart Imagers of Tomorrow)



Chairperson: D. Morrone (Firenze, IT)

How-to session provides practical details and tools or tips and tricks on a specific topic related to the research. These sessions are built to help attendees to improve their experiences to complete successfully research project: from founding and grant application, to data analysis, results presentation and publication.

15:40	Presenter:	508
	R. Sicari (Pisa, IT)	

16:30 - 18:00

Main Session

LISBOA

Cardiac resynchronization therapy: how to get the best out of the device

Mobile App - Vote and Ask a Question


Chairpersons: O. Chioncel (Bucuresti, RO); R. Citro (Salerno, IT)

16:30 Mobile App Interactive Session.

16:30 How imaging may increase implantation success rates?

509

E. Galli (Rennes, FR)

16:52 How to use imaging PRE-CRT?

510

V. Delgado (Leiden, NL)

17:15 Should we guide the leads implantation?

511

J. Gorcsan (St. Louis, US)

17:37 How to perform the follow-up?

512

W. Mullens (Genk, BE)

16:30 - 18:00

Clinical Imaging

PORTO

Advances in the cath lab II

Chairpersons: E. Agricola (Milan, IT); A. Sagie (Petah Tikva, IL)

16:30 Echo before the mitral intervention - what should the echo report include?

513

F.F. Faletra (Lugano, CH)

16:52 Cases percutaneous devices: why was this one chosen? Show me what I need to do during the procedure.

514

R.S. Von Bardeleben (Mainz, DE)

17:15 When things go wrong, echo saves the day!

515

E. Brochet (Paris, FR)

17:37 Old and new mitral & tricuspid valves and devices.

516

F. Maisano (Zurich, CH)

16:30 - 18:00

Debate Session

FARO

Imaging Heart failure: bloody session

Chairpersons: B.L.M. Gerber (Woluwe-St. Lambert, BE); A.G. Fraser (Cardiff, GB)

16:30 First round: CT/Nuclear is the best.

517

A. Kitsiou (Athens, GR)

16:52 Second round: CMR is required.

518

C. Bucciarelli-Ducci (Bristol, GB)

17:15 Third round: Echo is enough.

519

B. Cosyns (Brussels, BE)

17:37 Open "free fight".

520

P. Nihoyannopoulos (London, GB)

16:30 - 18:00

Teaching Course

COIMBRA

Valvular heart disease 2

Chairpersons: R. Hahn (New York, US); S. Mihaileanu (Paris, FR)

Teaching courses are specifically dedicated to an audience aiming to improve its knowledge and understanding and perfect its skills in a main topic of the Core curriculum of the EACVI.

16:30 Standard echo examination of prosthetic valves.

521

A. Ionescu (Swansea, GB)

16:52 Prosthetic valve pathologies.

522

S. Benyoussef (La Marsa, TN)

17:15 Right-sided valve diseases.

523

D. Muraru (Padua, IT)

17:37 Native valve endocarditis.

524

M.J. Andrade (Lisbon, PT)

16:30 - 18:00

Symposium

EVORA

Hot topics in valvular heart disease

EACVI HIT (Heart Imagers of Tomorrow)



Chairpersons: M.M. Gurus (Bucharest, RO); H.M. Elsayed (Aswan, EG)

- | | | |
|-------|--|-----|
| 16:30 | 3D echocardiography of the tricuspid valve.
E. Surkova (Padua, IT) | 525 |
| 16:52 | CMR evaluation of myocardial fibrosis in valvular heart disease.
T. Podlesnikar (Maribor, SI) | 526 |
| 17:15 | Multimodality imaging in preprocedural assessment for TAVR.
R.R. Buechel (Zurich, CH) | 527 |
| 17:37 | Multimodality imaging in bicuspid aortic valve and aortopathy.
T. Lapinskas (Kaunas, LT) | 528 |

16:30 - 18:00

Symposium

GUIMARAES

Computing in Echocardiography and multimodality imaging

Chairpersons: J. D'hooge (Leuven, BE); B. Bijnens (Barcelona, ES)

- | | | |
|-------|---|-----|
| 16:30 | Cardiac mechanics and hemodynamics - behind the scene.
J.D. Thomas (Chicago, US) | 529 |
| 16:52 | Echocardiographic apps - smart phone-assisted point-of care decision making;
I. Simova (Sofia, BG) | 530 |
| 17:15 | EduCAD - web-based educational tool for training in multimodality.
J. Grapsa (London, GB) | 531 |
| 17:37 | Remote echocardiography and web-based assessment - the new era.
P.P. Sengupta (Morgantown, US) | 532 |

16:30 - 18:00

Symposium

GUARDA

Congenital heart disease: heart failure and transplantation

Chairpersons: W. Li (London, GB); E.R. Valsangiacomo Buechel (Zurich, CH)

- | | | |
|-------|--|-----|
| 16:30 | Heart failure in CHD: Imaging markers of recovery.
H. Grotenhuis (Utrecht, NL) | 533 |
| 16:52 | Pre and post transplant imaging and decision making
F. Kucera (To Be Confirmed, GB) | 534 |
| 17:15 | Imaging for CRT in congenital heart disease.
M.K. Friedberg (Toronto, CA) | 535 |
| 17:37 | Diastolic dysfunction in ACHD? Which criteria should we use?
W. Budts (Leuven, BE) | 536 |

16:30 - 18:00

Rapid Fire Abstract

AGORA

Congenital Heart Disease

Chairpersons: G. Di Salvo (London, GB); D. Coleman (Dublin, IE)

- | | | |
|-------|--|-----|
| 16:30 | Panel of experts:
W.A. Helbing (Rotterdam, NL); J. Simpson (London, GB) | 537 |
| 16:30 | Aortic flow and shear stress in bicuspid aortic valve, a multimodality approach
S. Aguiar Rosa, D. Oliveira, A. Galrinho, L. Branco, J. Tiago, A. Agapito, L. Sousa, J. Oliveira, A. Timoteo, A. Sequeira, L. Figueiredo, R. Cruz Ferreira (Lisbon, PT) | 538 |
| 16:39 | Bicuspid aortic valve phenotype and the degree of aortic stenosis affect diameters of aorta - a systematic review, meta-analysis and meta-regression
D. Miskowicz, P. Lipiec, K. Kupczynska, J.D. Kasprzak (Lodz, PL) | 539 |
| 16:48 | Mixed reality holograms for surgical planning in congenital heart disease
H. Brun, R.A.B. Bugge, K.R. Suther, C. Tannum, F. Rashidi, S. Birkeland, O.L.E.J. Elle (Oslo, NO) | 540 |

16:30 - 18:00

Rapid Fire Abstract

AGORA

Congenital Heart Disease (continued)

- 16:57 **Clinical and haemodynamic changes after pregnancy in patients with repaired tetralogy of fallot** 541
I. Ivanac Vranesic, S.V. Babu-Narayan, A. Uebing, R. Rydman, R. Senior, L. Swan, M.A. Gatzoulis, W. Li (London, GB; Stockholm, SE)
- 17:06 **Relationship between ventricular function and exercise performance in adult patients with Fontan circulation** 542
M. Laurito, F. Graziani, A. Legendre, F. Pontnau, C. Karsenty, L. Iserin, M. Ladouceur (Rome, IT; Paris, FR)
- 17:15 **Aortic root dilatation and aortic regurgitation in tetralogy of Fallot** 543
H.B. Grotenhuis, M.K. Friedberg, I.M. Verpalen, M.J.E. Van Den Akker, F. Dallaire (Utrecht, NL; Toronto and Sherbrooke, CA)
- 17:24 **Echocardiographic study of pregnant patients with bicuspid aortic valve** 544
A.M. Lesniak-Sobelga, M. Kostkiewicz, S. Wisniewska-Smialek, K. Holcman, M. Hlawaty, P. Podolec (Krakow, PL)
- 17:33 **The unnatural course of right ventricular dilatation in patients with severe pulmonary regurgitation after repair of Tetralogy of Fallot** 545
M. Hoelscher, F.B. Bonassin, A. Oxenius, M. Greutmann, B. Lombardi, C. Kellenberger, E. Valsangiacomo (Zurich, CH; Rome, IT)
- 17:42 **Serial echocardiography to assess the durability of pulmonary valve replacements in adult congenital heart disease** 546
S.F. Al-Refaie, A.S. Gnanachandran, S. Bowater, S. Thorne, L. Hudsmith, V. Stoll, P. Clift (Birmingham, GB)
- 17:51 **Exercise induced hypertension in young patients after successful aortic coarctation repair: impact on left ventricular geometry and function.** 547
G. Di Salvo, F. Del Gaizo, J. Sabatino, V. Pergola, L. Baldini, B. Castaldi, M.G. Russo (Milan and Naples, IT; London, GB)

16:30 - 18:00

Workshop

TOE Room

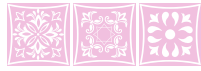
Focus on ASD closure



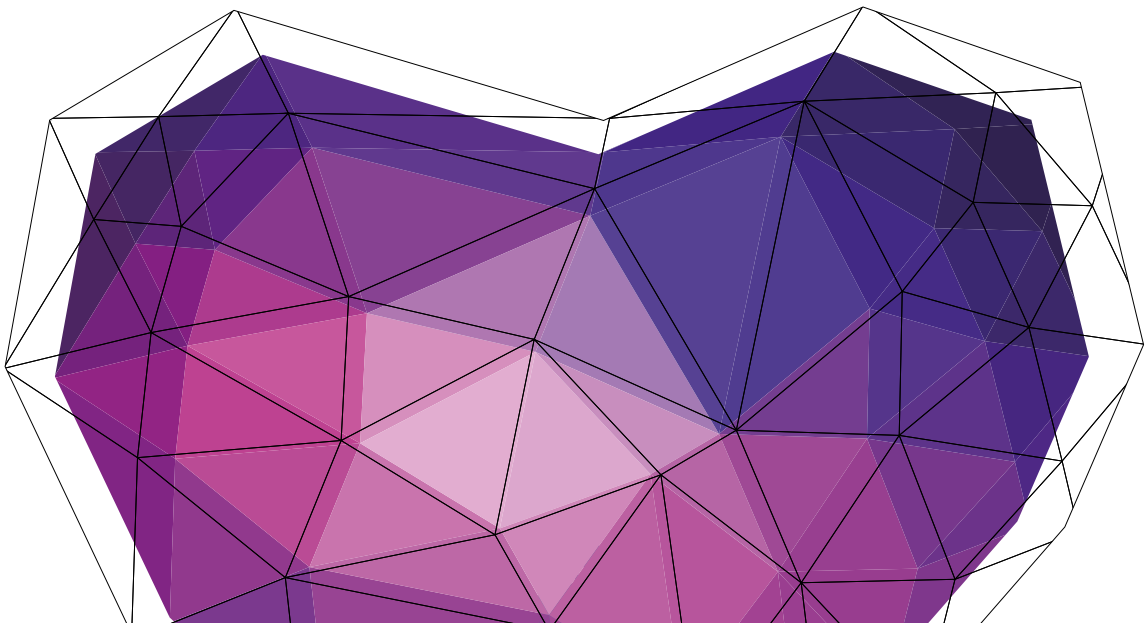
To provide basic skills in probe manipulation to obtain standard views and knowledge on spatialanatomic relationships by 2D/3D TOE echocardiography using modern training equipment

- 16:30 **Presenters:** 548
K. Papadopoulos (Athens, GR); M.H.Miglioranza (Porto Alegre, BR)

EuroEcho Imaging2017



Thursday Posters



WEDNESDAY
SESSIONS

WEDNESDAY
POSTERS

THURSDAY
SESSIONS

THURSDAY
POSTERS

FRIDAY
SESSIONS

FRIDAY
POSTERS

SATURDAY
SESSIONS

SATURDAY
POSTERS

INDEX

HIT MODERATED POSTER SESSION

All posters are on display from 08:30 to 18:00.

12:45 - 13:45 - Lunchtime HIT Poster hosts.

Meet the presenters by their poster

CLINICAL CASE MODERATED POSTER SESSION

MORNING

All moderated posters are on display from 08:30 to 12:30.

10:00 - 11:00 - Meet the presenters by their poster.

AFTERNOON

All posters are on display from 14:00 to 18:00.

15:30 - 16:30 - Meet the presenters by their poster.

ABSTRACT MODERATED POSTER SESSION

All moderated posters are on display from 08:30 to 18:00.

12:45 - 13:45 - Meet the presenters by their poster.

ABSTRACT & CLINICAL CASE POSTER SESSIONS

MORNING

All posters are on display from 08:30 to 12:30.

10:00 - 11:00 - Meet the presenters by their poster.

AFTERNOON

All posters are on display from 14:00 to 18:00.

15:30 - 16:30 - Meet the presenters by their poster.

HIGH SCORE POSTER

Look out for these abstracts acknowledged by the reviewing committee.

Missed a presentation?

After the congress, abstracts will be available online and a selection of slide presentations will be available only to EACVI Members.

More information on the ESC-EACVI Stand.

IMPORTANT INFORMATION FOR PRESENTERS

MORNING SESSIONS:

Poster presenters must set up Poster between 08:00-08:30.

All posters not affixed by 10:00 may be considered as no-show.

Posters must be removed from the area between 12:30 - 13:00.

AFTERNOON SESSIONS:

Poster presenters must set up Poster between 13:30 - 14:00.

All posters not affixed by 15:30 may be considered as no-show.

Posters must be removed from the area between 18:00 - 18:30.

Abstract presenters can consult the POSTER ASSISTANCE DESK for further information and to retrieve their Certificate of Presentation.

08:30 - 18:00

Poster Session

POSTER AREA

HIT Poster session 2

EACVI HIT (Heart Imagers of Tomorrow)



Lunch time HIT Poster hosts - 12:45 - 13:45.

P549

L. Ernande (Paris, FR); P.P. Sengupta (Morgantown, US); M. Cameli (Siena, IT); M.M. Gurzun (Bucharest, RO); T. Kemalolu Oz (Istanbul, TR); C. Sousa (Porto, PT)

Association of conventional echocardiographic parameters and cardiovascular risk factors with left atrial strain by 2D speckle tracking

P550

A. Romeika, A. Varoniukaite, R. Slapikas, R. Jurkevicius, J. Petkeviciene, I. Ceponiene (Kaunas, LT)

Left atrial longitudinal strain at the conduit phase: a new additional parameter in predicting elevated capillary wedge pressure in patients candidate for heart transplant

P551

G. Romano, S. Magro, C. Mina, G. Novo, C. Falletta, G. Di Gesaro, S. Novo, F. Clemenza, D. Bellavia (Palermo, IT)

Impact of ace inhibitors and beta blockers treatment on left ventricular function in her2 positive breast cancer patients

P552

I. Krstic, M. Deljanin Ilic, S. Vrbic, D. Marinkovic (Nis, RS)

Right ventricular dysfunction impact on ST-elevation myocardial infarction outcomes

P553

M. Moz, F. Cordeiro, S. Leao, J. Guimaraes, P. Mateus, R. Margato, J.I. Moreira (Vila Real, PT)

Estimating left ventricular filling pressure by echocardiography: validation of ASE/EACVI 2016 guidelines on diastolic function and comparison to the previous guidelines

P554

E. Garcia-Izquierdo Jaen, C. Arellano Serrano, V. Monivas Palomero, S. Vilches Soria, J. Goirigolzarri Artaza, F.J. Hernandez Perez, M. Gomez Bueno, J. Gonzalez Mirelis, M.A. Cavero Gibanel, A. Garcia Touchard, J. Segovia Cubero, J.F. Oteo Dominguez, L. Alonso-Pulpon, S. Mingo Santos (Madrid, ES)

Different components of delay in a national STEMI patients analysis-which is the prognosis of mid-range ejection fraction

P555

C. Ruivo, L. Graca Santos, F. Montenegro Sa, J. Correia, J. Morais (Leiria, PT)

Are the guidelines for measurements determining the degree of valve stenosis in patients with bicuspid aortic valve applicable?

P556

R. Babukov, V.V. Bazilev, F.L. Bartosh, A.M. Fatkabarova (Penza, RU)

Is it reliable to use mitral valve area calculation by pressure half time in the era of 3D echocardiography?

P557

V. Reskovic Luksic, Z. Ostojic, M. Pasalic, D. Dosen, J. Ljubas Macek, J. Separovic Hanzevacki (Zagreb, HR)

Mixomatous mitral valve disease: from 2D TEE to 3D TEE and 3D mathematical model

P558

M.M. Gurzun, M. Rosca, A. Calin, C. Beladan, M. Serban, C. Ginghina, B.A. Popescu (Bucharest, RO)

Galectin-3 levels correlate with left ventricular global longitudinal strain in systemic sclerosis patients

P559

V. Vertes, L. Porcsa, M. Strenner, A. Nogradi, A. Porpaczy, T. Minier, L. Czirjak, A. Komocsi, R. Faludi (Pécs, HU)

Association of layer-specific myocardial strain with cardiac complications in acute coronary syndromes

P560

P.M. Araujo, A. Nunes, S. Torres, C. Sousa, P.B. Almeida, V. Ribeiro, R. Almeida, J. Rodrigues, S. Costa, G. Ferreira, S. Maia, M.B. Campelo, F. Macedo, M.J. Maciel (Porto, PT)

Additional cardiac investigation after coronary CT - are we doing it according to the CAD-RADS classification?

P561

S. Guerreiro, A.M. Ferreira, J. Abecasis, C. Saraiva, H. Dores, G. Cardoso, A.C. Santos, P. Freitas, G. Rodrigues, M. Castro, J. Mesquita, J. Carmo, M. Mendes (Lisbon, PT)

Prevalence of obstructive coronary atherosclerosis is low in patients with incidental finding of complete left bundle branch block

P562

E. Surkova, R. Bellu, F. Sambugaro, P. Aruta, M. Shehata, H. Rodriguez-Zanella, F. Migliore, S. Iliceto, L.P. Badano (Padua, IT; Alexandria, EG; Mexico City, MX)

08:30 - 12:30

Poster Session

POSTER AREA

Clinical Case Poster session 2

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M. Briani (Rome, IT)	
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M.B. Castro Verdes (A Coruna, ES)	
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I. Petrescu (Rochester, US)	
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Casual cardiac arrest at the door of hospital	P573
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Myocardial infarction without significant coronary stenosis, transmural myocardial fibrosis at cardiac MR and non-obstructive high risk coronary atherosclerotic plaque at cardiac CT	P575
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A diagnostic conundrum in aortic regurgitation - supra valvular aortic membrane or aortic dissection?	P576
C. Li (Singapore, SG)	
A rare case of acute aortic regurgitation	P577
I. Duraes Campos (Braga, PT)	
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Management for prosthetic valve malfunction: case report and review.	P579
W.S.A. Mohamed (Salmia, KW)	
Thrombosis of a prosthetic mitral valve presenting as acute coronary syndrome with ST elevation.	P580
M. Romero Castro (Madrid, ES)	
A particularly case of tricuspid valve endocarditis due to jet lesion in a patient with congenital heart disease	P581
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Early appearance of a ventricular septal defect and worsening of dynamic left ventricular outflow tract obstruction after transcatheter aortic valve replacement in a risky anatomy	P583
C. Marini (Milan, IT)	
Key role of multimodality imaging in transcatheter mitral valve replacement in mitral regurgitation: insights from the first implantation in France.	P584
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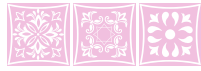
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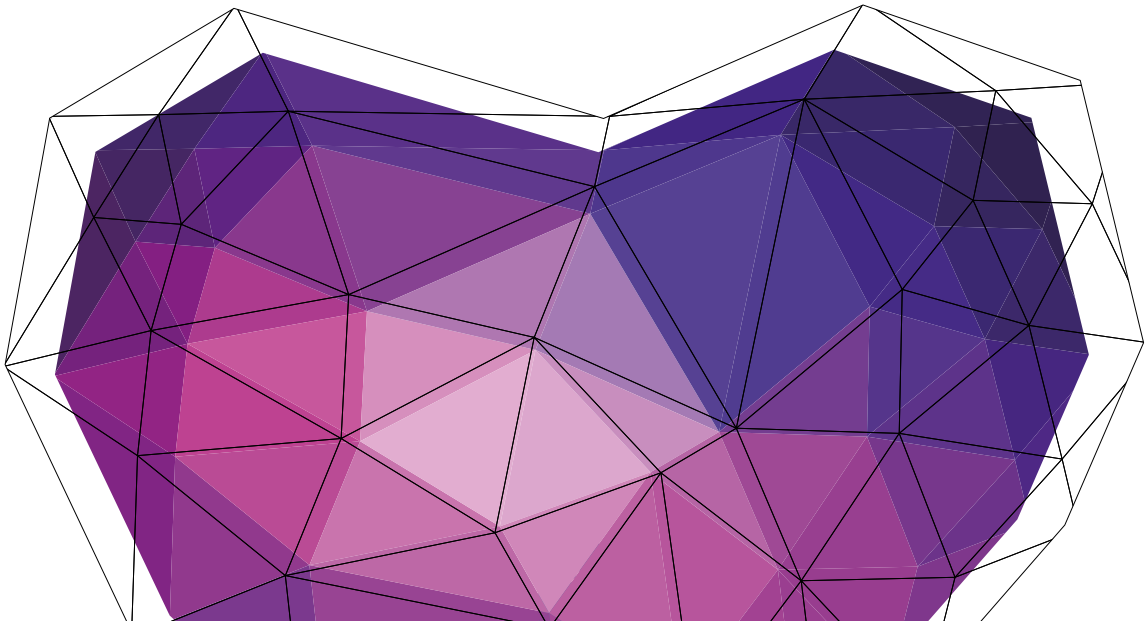
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Friday Sessions



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IMAGING CAMPUS 2



More and more complex structural heart disease interventions and electrophysiological procedures require a deep understanding of cardiac anatomy. Three-dimensional echocardiography is the most advanced imaging modality to visualize the anatomy of internal cardiac structures "in vivo". A detailed knowledge of normal anatomy facilitates comprehension of various structural heart diseases. Participants are invited to take a journey through the normal heart using 3D transthoracic and transesophageal imaging. When useful, normal structures will be presented side-by-side with anatomic specimen. Imaging of the most common structural heart disease will be also shown. Target audience: Imaging cardiologists, adult and paediatric cardiologists, interventional cardiologists, electrophysiologists

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16:00 - 17:30

Imaging of cardiac anatomy		
Presenter:		1040
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IMAGING CAMPUS 3



09:00 - 10:00

Evolution and current status of 3D TEE diagnosis illustrated by clinical cases.

Chairperson: J. Necas (Brno, CZ)

10:30 - 11:30

Evolution and current status of 3D TEE diagnosis illustrated by clinical cases.

Chairperson: J. Necas (Brno, CZ)

12:00 - 13:00

Evolution and current status of 3D TEE diagnosis illustrated by clinical cases.

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14:00 - 15:00

Automatic 3D left heart volumetry, a true differentiator in LV and LA quantification.

Chairperson: L. Perez De Isla (Madrid, ES)

15:30 - 16:30

Automatic 3D left heart volumetry, a true differentiator in LV and LA quantification.

Chairperson: L. Perez De Isla (Madrid, ES)

17:00 - 18:00

Automatic 3D left heart volumetry, a true differentiator in LV and LA quantification.

Chairperson: L. Perez De Isla (Madrid, ES)

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LISBOA

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Clinical Imaging

PORTO

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08:30 - 10:00

Symposium

FARO

Tricuspid valve in 2017: no longer forgotten

Joint session with the Working Group of Echocardiography of the German Cardiac Society



Chairpersons: R.S. Von Bardeleben (Mainz, DE); Y. Topilsky (Telaviv, IL)

08:30	Imaging the tricuspid valve: state of the art. A.R. Tamm (Mainz, DE)	887
08:52	Quantification and pathophysiology of tricuspid regurgitation. C. Hammerstingl (Cologne, DE)	888
09:15	Surgical solution to TR. F. Maisano (Zurich, CH)	889
09:37	Transcatheter therapy for TR. J. Mascherbauer (Vienna, AT)	890

08:30 - 10:00

Teaching Course

COIMBRA

Advanced echo techniques I: quantitation of cardiac function and mechanics

Chairpersons: P. Perrone-Filardi (Naples, IT); M.S. Casella (Ramos Mejia, AR)

Teaching courses are specifically dedicated to an audience aiming to improve its knowledge and understanding and perfect its skills in a main topic of the Core curriculum of the EACVI.

08:30	Myocardial fibers and cardiac mechanics. P.P. Sengupta (Morgantown, US)	891
08:52	Tissue Doppler and 2D speckle-tracking. M. Cikes (Zagreb, HR)	892
09:15	3D deformation. R. Hoffmann (Lingen, DE)	893
09:37	Intraventricular mechanical dyssynchrony and dispersion. J.U. Voigt (Leuven, BE)	894

08:30 - 10:00

Symposium

EVORA

The best of 2017 HIT: multimodality predictors of clinical hot points

EACVI HIT (Heart Imagers of Tomorrow)



Chairpersons: M. Cameli (Siena, IT); N.E. Hasselberg (Oslo, NO)

- | | | |
|-------|---|-----|
| 08:30 | Toxicity: multimodality analysis of chemotherapy induced cardiac damage.
C. Santoro (Naples, IT) | 895 |
| 08:52 | Arrhythmias: multimodality predictors of malignant arrhythmias.
L. Baghdasaryan (Yerevan, AM) | 896 |
| 09:15 | CRT: multimodality predictors of CRT responders.
B.W. Michalski (Ksawerow, PL) | 897 |
| 09:37 | Infarction: multimodality predictors of functional recovery after AML.
M. Motwani (Manchester, GB) | 898 |

08:30 - 10:00

Symposium

GUIMARAES

Prosthetic valve endocarditis, diagnostics challenges and solutions

Joint session with the the Nordic Working Group on Echocardiography

Chairpersons: L. Rudski (Cote St Luc, CA); G. Habib (Marseille, FR)

- | | | |
|-------|---|-----|
| 08:30 | Prosthetic valve endocarditis: Scope of the problem and challenges.
J.O. Beitnes (Oslo, NO) | 899 |
| 08:52 | What imaging modalities can help TEE? ICE? CT? PET-CT?
N.V. Vejlstrup (Copenhagen, DK) | 900 |
| 09:15 | The optimal diagnostic algorithm for prosthetic valve endocarditis?
G. Habib (Marseille, FR) | 901 |
| 09:37 | The use of PET-CT in endocarditis.
A. Saraste (Turku, FI) | 902 |

08:30 - 10:00

Symposium

GUARDA

Imaging predictors for outcome

Chairpersons: T. Bharucha (Southampton, GB); C. Fleishman (Orlando, US)

- | | | |
|-------|---|-----|
| 08:30 | Fetal markers of postnatal outcome: borderline left heart
J. Simpson (London, GB) | 903 |
| 08:52 | Imaging for risk stratification for SCD in tetralogy of Fallot
M. Greutmann (Zurich, CH) | 904 |
| 09:15 | Ebstein: before and after cone operation: case selection
B.W. Eidem (Rochester, US) | 905 |
| 09:37 | Imaging predictors for outcome in systemic RV
G.P. Diller (Muenster, DE) | 906 |

08:30 - 10:00

Rapid Fire Abstract

AGORA

New insights in diastology

Chairpersons: P.N. Marino (Novara, IT); M.J. Garcia (Bronx, US)

- | | | |
|-------|--|-----|
| 08:30 | Panel of experts:
J.-W. Ha (Seoul, KR); A.G. Fraser (Cardiff, GB) | 907 |
| 08:30 | Impact of new recommendations in the evaluation of left ventricular diastolic function by echocardiography
L. Sanchis Ruiz, R. Andrea, C. Falces, S. Poyatos, B. Vidal, M. Sitges (Barcelona, ES) | 908 |
| 08:39 | Resting echocardiography and biomarkers predict abnormal LV diastolic response and outcome in heart failure with preserved ejection fraction
W. Kosmala, M. Przewlocka-Kosmala, T.H. Marwick (Wroclaw, PL; Melbourne, AU) | 909 |
| 08:48 | Effect of age, sex, and cardiovascular risk factors on systolic and diastolic myocardial deformation Results from the population-based STAAB cohort study
C. Morbach, B. Walter, M. Breunig, T. Tiffe, M. Wagner, G. Gelbrich, P.U. Heuschmann, S. Stoerk (Wuerzburg, DE) | 910 |

08:30 - 10:00

Rapid Fire Abstract

AGORA

New insights in diastology (continued)

- | | | |
|-------|--|-----|
| 08:57 | Left ventricular vortex intensity and left ventricular diastolic function | 911 |
| | L. Takahashi, T. Uejima, H. Nishikawa, H. Semba, H. Sawada, T. Chikamori, T. Yamashita (Tokyo, JP) | |
| 09:06 | Regional variations in intraventricular pressure difference and prognostication in heart failure | 912 |
| | H. Nishikawa, T. Uejima, L. Takahashi, H. Semba, H. Sawada, T. Yamashita (Tokyo, JP) | |
| 09:15 | Left atrial rather than left ventricular impaired mechanics are associated with the pro-fibrotic ST2 marker and outcomes in Heart Failure with Preserved Ejection Fraction -A prospective multicenter | 913 |
| | A.I. Nagy, C. Hage, E. Donal, J.C. Daubert, B. Merkely, C. Linde, L.H. Lund, A. Manouras (Budapest, HU; Stockholm, SE; Rennes, FR) | |
| 09:24 | Development of sucking force during early diastole from the left atrium to the left ventricle from infants to adults | 914 |
| | T. Iso, K. Takahashi, K. Yazaki, M. Yamada, M. Kobayashi, S. Shigemitsu, K. Matsui, Y. Kubota, T. Yamada, K. Itatani, T. Shimizu (Tokyo, Sapporo and Kyoto, JP) | |
| 09:33 | Improved estimate of left ventricular filling pressure by left atrial and left ventricular strain imaging | 915 |
| | O.S. Andersen, E.W. Remme, A.K. Andreassen, K. Broch, H. Skulstad, E. Gude, O.A. Smiseth (Oslo, NO) | |
| 09:42 | Effect of sodium-glucose cotransporter 2 inhibitor on vascular endothelial function and diastolic function in patients with heart failure with preserved ejection fraction (HFpEF). | 916 |
| | T. Sakai, S. Miura (Kitakyusyu and Fukuoka, JP) | |
| 09:51 | Effect of aldosterone antagonism on active and passive determinants of LV diastolic filling and exercise intolerance in heart failure with preserved ejection fraction | 917 |
| | M. Przewlocka-Kosmala, W. Kosmala, T.H. Marwick (Wroclaw, PL; Melbourne, AU) | |

08:30 - 10:00

Workshop

TOE Room

Focus on critical patient in CCU



To provide basic skills in probe manipulation to obtain standard views and knowledge on spatial/anatomic relationships by 2D/3D TOE echocardiography using modern training equipment

- | | | |
|-------|---|-----|
| 08:30 | Presenters: | 918 |
| | A. Salustri (Abu Dhabi, AE); A. Moreo (Milan, IT) | |

10:00 - 11:00

Special Event

GUARDA

EACVI General Assembly



10:00 - 11:00

Special Session

AGORA

Hightech corner session 1

Session focusing on the most up-to date technology

Chairpersons: J. Lumens (Maastricht, NL); J. D'hooge (Leuven, BE)

- | | | |
|-------|---|-----|
| 10:00 | Challenges and opportunities in image based modeling and simulation of the heart-Can echo help? | 920 |
| | A. Hernandez (Rennes, FR) | |
| 10:15 | Discussion/Q&A. | |
| 10:20 | Patient specific modeling in LBBB patients: from MRI to in-silicon models. | 921 |
| | F. Maffessanti (Lugano, CH) | |
| 10:35 | Discussion/Q&A. | |
| 10:40 | Prediction of cardiac resynchronization therapy outcome through the analysis of the 3D coronary sinus lead tip trajectory. | 922 |
| | C. Corsi (Bologna, IT) | |
| 10:55 | Discussion/Q&A. | |

10:00 - 11:00

Moderated Posters

MODERATED POSTER AREA

Clinical cases moderated - Congenital heart disease

Chairpersons: A. Van Den Bosch (Rotterdam, NL); N. Hakacova (Lund, SE)

Adult incomplete Shone complex	P923
A.A. Kandil (King's Lynn, GB)	
The determination of atrial septal defect device by implanted transcatheter method on the the left ventricular outflow tract, in an asymptomatic patient.	P924
M. Cosgun (Bolu, TR)	
Late accidentally discovered Gerbode defect mistaken for severe pulmonary hypertension	P925
A. Fareed (Ismailia, EG)	
Double outlet right ventricle with malposed great arteries and atrioventricular discordance in a newborn	P926
G. Delle Donne (Leeds, GB)	
A patient with double inlet left ventricle reaching adulthood without surgery	P927
S. Akturk (Sihhiye-Ankara, TR)	
A teenager with ventricular hypertrophy, dilation, and late gadolinium enhancement	P928
M.E. Amaral (Coimbra, PT)	

10:10 - 10:50

Special Session

LISBOA

Cardiac Imaging Quiz 2 (CT and CMR) - Challenging cases in Cardiac Imaging

Mobile App - Vote and Ask a Question



Chairpersons: A.M.G. Almeida (Lisbon, PT); R. Nijveldt (Amsterdam, NL)

10:10	Mobile App interactive session.	
10:23	Puzzling images of cardiac magnetic resonance.	929
	C. Izgi (London, GB)	
10:36	Diagnostic riddles in Cardiac CT cases.	930
	J.F. Rodriguez Palomares (Barcelona, ES)	

10:10 - 10:55

How-to Session

PORTO

How to stay updated on cardiovascular imaging

EACVI HIT (Heart Imagers of Tomorrow)



Chairperson: P. Maurovich-Horvat (Budapest, HU)

How-to session provides practical details and tools or tips and tricks on a specific topic related to the research. These sessions are built to help attendees to improve their experiences to complete successfully research project: from founding and grant application, to data analysis, results presentation and publication.

10:10	Presenter:.	931
	M.H. Miglioranza (Porto Alegre, BR)	

11:00 - 12:30

Main Session

LISBOA

Imaging and Transcatheter Aortic Valve Replacement (TAVR)

Chairpersons: J.L. Zamorano Gomez (Madrid, ES); R. Rosenhek (Vienna, AT)

11:00	Multi-modality imaging for patient selection.	932
	M. Dweck (Edinburgh, GB)	
11:22	Imaging during the procedure.	933
	M.J. Swaans (Hedel, NL)	
11:45	Periprosthetic regurgitation assessment.	934
	S. Wieggers (Philadelphia, US)	
12:07	How to deal with remaining symptoms following TAVR?	935
	M.F. Costantino (Lauria, IT)	

11:00 - 12:30

Clinical Imaging

PORTO

Advances in the EP lab II. When the cardiac imager meets the electrophysiologist: focus on ventricular arrhythmias and dysfunction

Chairpersons: G. Hindricks (Leipzig, DE); P.P. Adragao (Carnaxide, PT)

- | | | |
|-------|--|-----|
| 11:00 | Incorporating guidelines and recommendations into clinical practice.
O.A.B. Breithardt (Kassel, DE) | 936 |
| 11:22 | Imaging in ischemic and non-ischemic cardiomyopathies: anatomical substrate assessment.
C. Manisty (London, GB) | 937 |
| 11:45 | Imaging in the selection and programming of CRT.
E. Galli (Rennes, FR) | 938 |
| 12:07 | Machines in our hearts: old and new electrical devices.
G. Hindricks (Leipzig, DE) | 939 |

11:00 - 12:30

Debate Session

FARO

Dr Jeckyll and Mr Hyde

Chairpersons: O. Kamp (Amsterdam, NL); J.C. Plana (Houston, US)

- | | | |
|-------|--|-----|
| 11:00 | Invasive coronary angiography. Helpful in every patients, useless in many patient.
O. Gaemperli (Zurich, CH) | 940 |
| 11:45 | Cancer treatment-related cardiotoxicity. Echocardiography is all I need. I need multi-modality imaging.
S. Ederhy (Paris, FR) | 941 |

11:00 - 12:30

Teaching Course

COIMBRA

Advanced echo techniques II: basics, indications, protocols and interpretation

Chairpersons: Z. Vered (Zerifin, IL); N. Ajmone Marsan (Leiden, NL)

Teaching courses are specifically dedicated to an audience aiming to improve its knowledge and understanding and perfect its skills in a main topic of the Core curriculum of the EACVI.

- | | | |
|-------|---|-----|
| 11:00 | 2D/3D transesophageal echocardiography.
M. Pepi (Milan, IT) | 942 |
| 11:22 | Stress echocardiography in ischemic heart disease.
R. Senior (London, GB) | 943 |
| 11:45 | Stress echocardiography in nonischemic heart disease.
J.-W. Ha (Seoul, KR) | 944 |
| 12:07 | Contrast echocardiography.
R. Winter (Stockholm, SE) | 945 |

11:00 - 12:30

Symposium

EVORA

Pericardial Imaging state of mind

Joint session with the American Society of Echocardiography (ASE)



Chairpersons: A.D. Ristic (Belgrade, RS); A. Klein (Cleveland, US)

- | | | |
|-------|---|-----|
| 11:00 | Physiopathology of pericardial disease: what we learn from imaging?
P. Cremer (Shaker Heights, US) | 946 |
| 11:22 | Acute pericardial disease: role of multimodality imaging.
D.P. Pellerin (London, GB) | 947 |
| 11:45 | Recurrent pericardial disease: do we need imaging to avoid it?
M. Imazio (Torino, IT) | 948 |
| 12:07 | Constrictive pericardial disease: a difficult diagnosis, a complex entity.
J.K. Oh (Rochester, US) | 949 |

11:00 - 12:30

Symposium

GUIMARAES

Echocardiography in the intensive care unit. From acute heart failure to cardiogenic shock



Joint session with the Working Group on Echocardiography and other Imaging modalities of the Romanian Society of Cardiology

Chairpersons: B.A. Popescu (Bucharest, RO); R.O. Jurcut (Bucharest, RO)

11:00	Role of echocardiography in the acute heart failure guidelines 2016.	950
	I.M. Coman (Bucharest, RO)	
11:22	Left ventricular systolic function in the acute setting: which parameters to follow?	951
	D. Vinereanu (Bucharest, RO)	
11:45	Acute right ventricular failure: from imaging to treatment.	952
	G. Claessen (Leuven, BE)	
12:07	IABP, Impella ECMO or what else?	953
	S. Price (London, GB)	

11:00 - 12:30

Debate Session

GUARDA

Congenital heart disease - Imaging for the 21st century

Joint session with the American Society of Echocardiography (ASE)



Chairpersons: O. Miller (London, GB); M.K. Friedberg (Toronto, CA)

11:00	Has advanced multimodality imaging had any effect on patient's outcome?	954
	L. Mertens (Toronto, CA)	
11:22	Are «Congenital heart disease imaging specialists» value for money?	955
	C.J. McMahon (Dublin, IE)	
11:45	3D imaging across the modalities and future directions.	956
	K. Pushparajah (London, GB)	
12:07	Journey from translational research to standardisation guidelines	957
	P. Barker (Durham, US)	

11:00 - 12:30

Clinical Cases

AGORA

Congenital heart disease from infant to adult

Chairpersons: E.R. Valsangiacomo Buechel (Zurich, CH); T. Bharucha (Southampton, GB)

Young clinicians will present their cases and experts will be asked to moderate the sessions, facilitate interaction with the audience, prompt discussions, challenge the presenters and the audience.

The main objective of the session is to learn from challenging clinical case scenarios

11:00	Panel of experts:	958
	W. Li (London, GB); B. Bonello (London, GB)	
11:00	Familial cluster of non-compaction cardiomyopathy and Ebstein's associated MYH7 mutation.	959
	R. Pinto (Matosinhos, PT)	
11:09	Corrected tetralogy of Fallot: a rare late finding	960
	F. Montenegro Sa (Leiria, PT)	
11:18	When commensal bacteria «leave» the skin in a rare case of cyanotic congenital heart disease	961
	R.-I. Capota (Bucharest, RO)	
11:27	An apparently simple case of decompensated heart failure?	962
	S. Alegria (Lisbon, PT)	
11:36	When a small hole becomes a big hole	963
	C.Y. Wong (Hong Kong, HK)	
11:45	Stroke in a patient with a rare congenital heart disease	964
	B. Alcon Duran (Getafe, ES)	
11:54	Transient ischemic attack in a young man with surgically corrected transposition of the great arteries	965
	N. Garcia (Bilbao, ES)	
12:03	Out of the frying pan and into the fire - the dilemma of thrombosis in Fontan	966
	T. Marinho-Rito (Lisbon, PT)	
12:12	Atrial conundrum in a rare case of dextrocardia, common atrium and totally anomalous pulmonary venous drainage	967
	G. Delle Donne (Leeds, GB)	
12:21	A rare and complex clinical case: double orifice mitral valve, bicuspid aortic valve and aortic coarctation	968
	R. Verseckaitė (Kaunas, LT)	

11:00 - 12:30

Workshop

TOE Room

Focus on prosthetic valves



To provide basic skills in probe manipulation to obtain standard views and knowledge on spatialanatomic relationships by 2D/3D TOE echocardiography using modern training equipment

11:00 **Presenters:**
L.E. Sade (Ankara, TR); A. Bernard (Tours, FR)

969

12:45 - 13:45

Satellite Symposium

LISBOA

Complementing imaging for better management across the CV continuumSponsored by **SERVIER****Chairpersons: F.J. Pinto (Lisbon, PT); P. Lancellotti (Liege, BE)**

The objective of this session is to discuss the importance of imaging modalities in cardiovascular diseases. We will explore how drugs act on different targets to provide complementary benefits at different time points during disease progression and the need for personalized therapy. In heart failure, the SHIFT echocardiographic substudy evaluated the effects of ivabradine and showed marked reductions in LV volumes and a significant improvement in LVEF under treatment. In the management of angina, the combination of drugs with different mechanisms of action are more effective and can act early to prevent chronic dysfunction.

12:45	Introduction - Complementing imaging for better management.	971
	P. Lancellotti (Liege, BE)	
12:50	Left ventricular filling pressure assessment: new insights.	972
	P. Lancellotti (Liege, BE)	
13:05	Complementing optimal medical care with imaging and revascularization.	973
	Y.M. Lopatin (Volgograd, RU)	
13:20	Evaluation of systolic function in heart failure.	974
	F.J. Pinto (Lisbon, PT)	
13:35	Conclusion - Complementing imaging for better management.	
	F.J. Pinto (Lisbon, PT)	

12:45 - 13:45

Moderated Posters

MODERATED POSTER AREA

Present and future of Nuclear Cardiology/Computed Tomography imaging for clinical purpose**Chairpersons: A. Gimelli (Pisa, IT); M.H. Al Mallah (Riyadh, SA)**

	Left atrial appendage closure guided by 3D printed patient-specific models	P975
	M. Guglielmo, A.I. Guaricci, D. Andreini, S. Mushtaq, S. Marconi, M. Conti, G.F. Auricchi, M. Pepi, C. Tondo, G. Fassini, G. Pontone (Milan, Bari and Pavia, IT)	
	Prognostic relevance of subclinical coronary and carotid atherosclerosis in asymptomatic at-risk adult population	P976
	M. Guglielmo, A.I. Guaricci, V. Lorenzoni, S. Mushtaq, G. Muscogiuri, E. Maffei, F. Cademartiri, M.R. Rabbat, D. Andreini, N. Gaibazzi, M. Pepi, G. Pontone (Milan, Bari, Pisa, Rome and Parma, IT; Montreal, CA; Chicago, US)	
	Mitral Valve Reverse Remodeling after Surgical Repair of Acquired Left Ventricular Aneurysms of Posterior versus Anterior Localization Assessed with Multislice Computed Tomography	P977
	N. Solowjowa, A. Meyer, Y. Hrytsyna, M. Pasic, V. Falk, C.H. Knosalla (Berlin, DE)	
	Role of visceral and subcutaneous fat in prediction of plaque composition by multi-slice computed tomography coronary angiography	P978
	M.A. Sabet, S. Elkaffas, S.W.G. Bakhoun, H.I. Kandil (Cairo, EG)	
	Interobserver variability in I-123 MIBG sympathetic imaging in advanced heart failure patients	P979
	I. Goncalves Rodrigues, A. Abreu, L. Oliveira, A. Martins, M. Oliveira, P. Cunha, H. Santa Clara, M. Mota Carmo, L. Morais, P. Modas Daniel, R. Ilhao Moreira, R. Cruz Ferreira (Lisbon, PT)	
	Diagnostic accuracy of coronary ct angiography performed in 100 consecutive patients with coronary stents using a novel whole-organ high-definition ct scanner	P980
	D. Andreini, S. Mushtaq, E. Conte, M. Guglielmo, A. Baggiano, A. Santos, S. Zanchi, E. Menotti, E. Mancini, A. Annoni, A. Formenti, F. Fazzari, M. Verdecchia, G. Pontone, M. Pepi (Milan, IT)	
	Factors affecting progression of coronary atherosclerosis using MDCT	P981
	R. Laymouna, E. Elsharkawy, S.H. Ayad, S. El Tahan, M. Sobhy (Alexandria, EG)	
	Accuracy of coronary computed tomographic angiography to detect obstructive coronary artery disease by using stress versus rest dataset in patients referred to stress computed tomographic perfusion.	P982
	M. Guglielmo, A.I. Guaricci, A. Baggiano, F. Fazzari, D. Andreini, G. Calligaris, S. Galli, G. Teruzzi, D. Trabattoni, F. Fabbicocchi, A. Lualdi, P. Montorsi, A. Bartorelli, M. Pepi, G. Pontone (Milan, Bari and Palermo, IT)	

12:45 - 13:45

Moderated Posters

MODERATED POSTER AREA

New secrets revealed about cardiomyopathies

Chairpersons: F. Asch (Washington, US); R. Winter (Stockholm, SE)

- | | |
|---|------|
| Severe functional mitral regurgitation in dilated cardiomyopathy linked to more pronounced alterations in left ventricular twist mechanics. | P983 |
| E. Kinova, A. Borizanowa, N. Spasova, B. Krastev, A. Goudev (Sofia, BG) | |
| 2D-Speckle Tracking Echocardiography in Patients with acute cellular Rejection after orthotopic heart transplantation | P984 |
| B. Schulze, B. Fujita, U. Schulz, K.T. Puhmann, J. Gummert, L. Paluszkiwicz (Bad Oeynhausen, DE) | |
| Morbi-mortality in hypertrophic cardiomyopathy beyond sudden cardiac death - new clinical, imaging and genetic predictors and integration with novel scores | P985 |
| A.C. Gomes, L.R. Lopes, I. Cruz, G. Morgado, S. Alegria, D. Caldeira, H. Pereira (Almada, PT) | |
| The utility of a novel echocardiographic prediction model in prognostication of patients with light chain (AL) cardiac amyloidosis | P986 |
| M. Subramanian, A. Shanmugam, V. Kumar, H. Ahamed, K. Pavithran, N. Matthew (Kochi, IN) | |
| Right ventricular morphology and function in left ventricular non-compaction cardiomyopathy | P987 |
| S.F. Stampfli, A. Gotschy, P. Kiarostami, T. Ozkartal, C. Gruner, M. Greutmann, M. Niemann, R. Manka, F.C. Tanner (Zurich, CH) | |
| Prognostic implications of severe left ventricular systolic dysfunction at admission in patients with Takotsubo syndrome | P988 |
| R. Citro, G. Provenza, G. Parodi, C. Zito, G. Novo, D. Di Vece, M. Bellino, A. Silverio, M. Piepoli, O. Vriz, F. Antonini-Canterin, F. Rigo, S. Carerj, E. Bossone, F. Piscione (Salerno, Ariano Irpino, Avellino, Florence, Messina, Palermo, Piacenza, Udine, Pordenone, Mestre-Venice and Cava De' Tirreni, Salerno, IT) | |
| Favorable diastolic function and increased left ventricular volumes in hypertrophic cardiomyopathy patients engaging in vigorous exercise | P989 |
| L.A. Dejgaard, O.H. Lie, T.F. Haland, M. Ribe, T. Edvardsen, K.H. Haugaa (Oslo, NO) | |
| Value of the CHA2DS2-VASc risk score and modified Fabry-specific scores for predicting new-onset or recurrent stroke/TIA in patients with Fabry disease | P990 |
| D. Liu, K. Hu, M. Schmidt, J. Muentze, D. Oder, F. Weidemann, T. Salinger, C. Wanner, G. Ertl, S. Frantz, S. Stoerk, P. Nordbeck (Wuerzburg and Unna, DE) | |

14:00 - 15:30

Main Session

LISBOA

Heart failure and ischemia

Mobile App - Vote and Ask a Question



Chairpersons: G. Maurer (Vienna, AT); R. Sicari (Pisa, IT)

14:00 Mobile App Interactive Session.

14:00 When and how should we look for viability?

J.R. Lindner (Portland, US)

991

14:22 How to assess the impact of myocardial infarction on the mitral valve apparatus.

E. Schwammenthal (Tel Hashomer, IL)

992

14:45 Importance of the RV for the management.

M. Guazzi (San Donato Milanese, IT)

993

15:07 How to assess the impact of treatments.

M. Cikes (Zagreb, HR)

994

14:00 - 15:30

Clinical Imaging

PORTO

Challenges in pulmonary hypertension: imaging matters!

Chairpersons: P. Nihoyannopoulos (London, GB); A. Garcia-Alvarez (Barcelona, ES)

14:00 What echocardiography could provide?

M. Vannan (Atlanta, US)

995

14:22 We need correct answers: is this a pre or post capillary pulmonary hypertension?

A.K. Andreassen (Oslo, NO)

996

14:45 Multi-modality imaging assessment of pulmonary hypertension.

E.S. Tucay (Quezon, PH)

997

15:07 Conventional and new therapeutic developments.

N. Galie (Bologna, IT)

998

14:00 - 15:30

Debate Session

FARO

Tea for two in the operating theater

Chairpersons: J.D. Thomas (Chicago, US); L.A. Pierard (Liege, BE)

14:00 MitraClip implantation: the imager expertise.

E. Agricola (Milan, IT)

999

14:22 MitraClip implantation: the interventionist expertise.

P. Denti (Milan, IT)

1000

14:45 Aortic valve repair: the imager expertise.

A.J. Berrebi (Issy Les Moulineaux, FR)

1001

15:07 Aortic valve repair: the surgeon expertise.

E. Lansac (Paris, FR)

1002

14:00 - 15:30

Teaching Course

COIMBRA

Cardiac masses and sources of embolism

Chairpersons: P. Colonna (Bari, IT); C. Ginghina (Bucharest, RO)

Teaching courses are specifically dedicated to an audience aiming to improve its knowledge and understanding and perfect its skills in a main topic of the Core curriculum of the EACVI.

14:00	Intracardiac thrombi.	1003
	I. Stankovic (Belgrade, RS)	
14:22	Valvular and device-related sources of embolism.	1004
	S.V. Pislaru (Rochester, US)	
14:45	Cardiac tumors.	1005
	C.C. Beladan (Bucharest, RO)	
15:07	Vascular sources of embolism.	1006
	A. Evangelista Masip (Barcelona, ES)	

14:00 - 15:30

Special Session

EVORA

The research in imaging in the world- EuroEcho-Imaging Lecture

Chairpersons: T. Edvardsen (Oslo, NO); V. Rigolin (Chicago, US)

The 2017 Young Investigator Awardees from US (American Society of Echocardiography-ASE), Japan (Japanese Society of Echocardiography-JSE) and Asia (Asian Pacific Association of Echocardiography-AAE) will present their winning research.

14:00	EuroEcho Lecture: «Why and how cardiac imaging has revolutionized the management of aortic stenosis».	1007
	P. Pibarot (Quebec, CA)	
14:22	Discussion.	
14:29	ASE: Young Investigator Awardee presentation: «Ultrasound Molecular Imaging of Endothelial Activation and Platelet Adhesion in Remote Arteries after Myocardial Infarction: Implications for Reducing Risk for Remote Recurrent Atherosclerotic Events».	1008
	F. Moccetti (Sam Jackson Park Road, US)	
14:52	Discussion.	
14:59	JSE: Young Investigator Awardee presentation: "Clinical Utility of Preload Stress Echocardiography to Predict Outcomes in Low Gradient Aortic Stenosis».	1009
	K. Kusunose (Tokushima, JP)	
15:23	Discussion.	

14:00 - 15:30

Symposium

GUIMARAES

Focus on FOCUS echo

Joint session with the Indian Academy of Echocardiography (IAE)



Chairpersons: A. Hagendorff (Leipzig, DE); S. Sengupta (Nagpur, IN)

14:00	Education and training needed for FOCUS and Emergency echo.	1010
	A.N. Neskovic (Belgrade, RS)	
14:22	FOCUS for improved diagnostics in everyday cardiology.	1011
	S.C. Govind (Bangalore, IN)	
14:45	FOCUS on heart failure.	1012
	S. Mankad (Rochester, US)	
15:07	FOCUS - a bad sight in the cardiac ICU.	1013
	S. Price (London, GB)	

14:00 - 15:30

Symposium

GUARDA

Multi-modality seminar: coronary abnormalities - Congenital and acquired

Chairpersons: A. Van Den Bosch (Rotterdam, NL); L. Lopez (Miami, US)

- | | | |
|-------|---|------|
| 14:00 | Imaging workflow for Kawasaki disease
S.K. Mathur (London, GB) | 1014 |
| 14:22 | Imaging coronary arteries after the arterial switch operation
M. Cohen (Philadelphia, US) | 1015 |
| 14:45 | Coronary fistulas and imaging for diagnosis and intervention.
F. Labombarda (Caen, FR) | 1016 |
| 15:07 | Congenital coronary anomalies: Optimal imaging of abnormal aortic origins.
A.D.M. Villa (London, GB) | 1017 |

14:00 - 15:30

Rapid Fire Abstract

AGORA

New insight in aortic stenosis

Chairpersons: H. Michelena (Rochester, US); J. Magne (Limoges, FR)

- | | | |
|-------|--|------|
| 14:00 | Panel of experts:
A.I. Nagy (Budapest, HU); I. Burwash (Ottawa, CA) | 1018 |
| 14:09 | Aortic valve stenosis: correlation between aortic valve calcification by computed tomography and the amount of calcium in the valve
L. Linde, R. Carter-Storch, N.L. Christensen, J.S. Dahl, K.A. Oevrehus, P.S. Jensen, L.M. Rasmussen, J.E. Moeller (Odense, DK) | 1020 |
| 14:18 | Global longitudinal strain early predicts improvement of left ventricular function and correlates with outcomes following transcatheter aortic valve implantation
R.I. Mincu, R.A. Janosi, A. Lind, P. Kahlert, F. Al-Rashid, A.A. Mahabadi, D. Vinereanu, T. Rassaf, M. Totzeck (Bucharest, RO; Essen, DE) | 1021 |
| 14:27 | Low-gradient aortic stenosis - a distinct entity or error in assessment?
S. Alegria, G. Morgado, C. Gomes, A. Marques, R. Pereira, K. Congo, S. Rosado, A.R. Almeida, O. Simoes, P. Fazendas, H. Pereira (Almada, Evora and Lisbon, PT) | 1022 |
| 14:36 | Impact of myocardial fibrosis on 10-year-outcome in patients undergoing aortic valve replacement
B. Fries, F. Weidemann, K. Hu, D. Liu, J. Strotmann, P. Nordbeck, M. Beer, S. Gattenloehner, S. Stoerk, W. Voelker, G. Ertl, S. Herrmann (Würzburg, Unna, Kiel and Ulm, DE) | 1023 |
| 14:45 | Aortic stenosis quantification using combined Doppler and computed tomography measurements. Correlation with invasive assessment.
G. Giannakopoulos, S. Noble, A. Frei, H. Muller (Geneva, CH) | 1024 |
| 14:54 | Early effects of transcatheter aortic valve implantation (TAVI) on left ventricular remodelling and longitudinal function: an echocardiographic study.
S. Badiani, J. Van Zalen, A. Ramasamy, S. Bhattacharyya, M. Ozkor, M. Mullen, S. Kennon, A. Mathur, G. Lloyd (London, GB) | 1025 |
| 15:03 | Incremental value of aortic stenosis assessment through adjunctive trans-esophageal echocardiography versus transthoracic echo only in sedated patients
S. Schwartzberg, M. Vaturi, A. Sagie, D. Monakier, S. Kazum, R. Kornowski, Y. Shapira (Petah Tikva, IL) | 1026 |
| 15:12 | Applying 3D echocardiography derived stroke volume for quantification of aortic valve area in low-flow aortic stenosis: The superiority of a hybrid approach.
A. Hamadanchi, T. Bekfani, M. Franz, S. Otto, T.C. Poerner, P.C. Schulze, B. Goebel (Jena, DE) | 1027 |
| 15:21 | Improvement in mitral regurgitation severity in patients with aortic stenosis treated with percutaneous aortic valve implantation TAVI
A. Al Ahmari, H. Al Amri, M. Al Otaibi, A. Al Khushael, M. Al Babin, W. Tajelsir, S. Rajwi, A. Al Mogheri, A. Shikh, A. Al Anazi, M. Al Abdullah (Riyadh, SA) | 1028 |

14:00 - 15:30

Workshop

TOE Room

Focus on Mitraclip



To provide basic skills in probe manipulation to obtain standard views and knowledge on spatial/anatomic relationships by 2D/3D TOE echocardiography using modern training equipment

14:00 Presenters:

E. Donal (Rennes, FR); V. Delgado (Leiden, NL)

1029

15:30 - 16:30

Meet the Experts

AGORA

Extend the experience of two important past EACVI webinars

Chairpersons: E. Alexanderson Rosas (Mexico, MX); D. Muraru (Padua, IT)

15:30 Challenges in hypertrophic cardiomyopathies.

R.O. Jurcut (Bucharest, RO)

1031

15:50 Discussion.

16:00 Challenges in the assessment of prosthetic valves.

T. Le Tourneau (Nantes, FR)

1032

16:20 Discussion.

15:30 - 16:30

Moderated Posters

MODERATED POSTER AREA

Clinical cases moderated - A mass or a mess, let's have a look!

Chairpersons: M. Garbi (London, GB); M.J. Andrade (Lisbon, PT)

Cardiac hydatidosis in a 57-year-old woman

A. Sghaier (Sousse, TN)

P1033

A cardiac mass

M.I. Freixa (Lisbon, PT)

P1034

Multiple right cardiac thrombi in Behcet's syndrome

A. Yehia (Alexandria, EG)

P1035

Masking the mass

M.M. Oo (Petaling Jaya, MY)

P1037

Giant left circumflex coronary artery fistula to the coronary sinus

M. Vieira (Sao Paulo, BR)

P1038

15:40 - 16:25

How-to Session

PORTO

How to design and write a good scientific research study

EACVI HIT (Heart Imaging of Tomorrow)



Chairperson: M. Galderisi (Naples, IT)

How-to session provides practical details and tools or tips and tricks on a specific topic related to the research. These sessions are built to help attendees to improve their experiences to complete successfully research project: from founding and grant application, to data analysis, results presentation and publication.

15:40 Presenter:

M. Scherrer-Crosbie (Philadelphia, US)

1039

16:30 - 18:00

Main Session

LISBOA

The invasive validation of left ventricular filling pressures

Mobile App - Vote and Ask a Question



Chairpersons: P. Lancellotti (Liege, BE); S. Nakatani (Takarazuka, JP)

- | | | |
|-------|--|------|
| 16:30 | Mobile App Interactive Session. | |
| 16:30 | Why and how do we need to estimate non invasive left ventricular filling pressures?
S. Nagueh (Houston, US) | 1041 |
| 16:52 | The 2016 ASE/EACVI recommendations on diastolic function.
O.A. Smiseth (Oslo, NO) | 1042 |
| 17:15 | The American experience.
A. Klein (Cleveland, US) | 1043 |
| 17:37 | The European experience: insights from the Euro-Filling Study.
M. Galderisi (Naples, IT) | 1044 |

16:30 - 18:00

Clinical Imaging

PORTO

LV hypertrophy: a disease of many faces

Chairpersons: K. Hristova (Sofia, BG); A.G. Fraser (Cardiff, GB)

- | | | |
|-------|--|------|
| 16:30 | Imaging in sarcomeric hypertrophic cardiomyopathy: what's new?
B.A. Popescu (Bucharest, RO) | 1045 |
| 16:52 | Is this hypertensive heart disease or HCM?
C. Shekhar (Edina, US) | 1046 |
| 17:15 | Athletes heart versus HCM: update 2017.
F. Schnell (Rennes, FR) | 1047 |
| 17:37 | Fabry disease: don't forget about it!
F. Weidemann (Unna, DE) | 1048 |

16:30 - 18:00

Symposium

FARO

Functional mitral regurgitation: Update 2017

Joint session with the Cardiovascular Imaging Department of the Brazilian Society of Cardiology



Chairpersons: M. Garbi (London, GB); N. Piriou (Nantes, FR)

- | | | |
|-------|---|------|
| 16:30 | What is severe functional mitral regurgitation.
M. Vieira (Sao Paulo, BR) | 1049 |
| 16:52 | Added value of three dimensional echocardiography.
S. Mankad (Rochester, US) | 1050 |
| 17:15 | Should stress echocardiography be a must?
A. Rabischoffsky (Rio De Janeiro, BR) | 1051 |
| 17:37 | What do I need from Echo for mitral valve repair?
X. Freixa Rofaster (Barcelona, ES) | 1052 |

16:30 - 18:00

Teaching Course

COIMBRA

Non-invasive hemodynamic assessment by echocardiography

Chairpersons: S. Price (London, GB); V. Rigolin (Chicago, US)

Teaching courses are specifically dedicated to an audience aiming to improve its knowledge and understanding and perfect its skills in a main topic of the Core curriculum of the EACVI.

16:30	Volume status and preload responsiveness. H. Soliman (London, GB)	1053
16:52	Left ventricular hemodynamics in heart failure. A. Nossikoff (Sofia, BG)	1054
17:15	Pulmonary pressures and vascular resistance in pulmonary hypertension. A. Milan (Torino, IT)	1055
17:37	Cardiac tamponade and constrictive pericarditis. B. Cosyns (Brussels, BE)	1056

16:30 - 18:00

Symposium

EVORA

Aortopathy

Chairpersons: D. Morris (Berlin, DE); A. Evangelista Masip (Barcelona, ES)

16:30	Aortopathy, screening, genetic testing and follow up. A. Evangelista Masip (Barcelona, ES)	1057
16:52	Multimodality imaging in patients with aortopathy. A. Van Den Bosch (Rotterdam, NL)	1058
17:15	Aorthopathy in pregnancy. M.-E. Estensen (Oslo, NO)	1059
17:37	Marfan Syndrome, its not only the aorta wich is affected. J.-I. Stein (Graz, AT)	1060

16:30 - 18:00

Symposium

GUIMARAES

Cardiomyopathies and heart failure phenotypes

Joint session with ECOSIAC



Chairpersons: J.A. Lowenstein (Buenos Aires, AR); N. Cardim (Lisbon, PT)

16:30	HFpEF: different phenotypes, additive value of imaging techniques. E. Donal (Rennes, FR)	1061
16:52	Heart failure in heart valve disease. J.L. Cavalcante (Pittsburgh, US)	1062
17:15	Cardiomyopathies how improve on the etiology with imaging S. Spina (Ramos Mejia, AR)	1063
17:37	How we assess the right ventricle in heart failure patients X. Zhou (Beijing, CN)	1064

16:30 - 18:00

Symposium

GUARDA

Advances in the non-invasive assessment of cardiac mechanics

Chairpersons: B. Bijnens (Barcelona, ES); L. Herbots (Hasselt, BE)

- | | | |
|-------|---|------|
| 16:30 | Stretch-strain relations: a new non-invasive approach to myocardial contractility. | 1065 |
| | R. Jasaityte (Berlin, DE) | |
| 16:52 | 3D vs 2D echo strain: promise and reality. | 1066 |
| | A. Stoylen (Trondheim, NO) | |
| 17:15 | 3 MRI strain assessment: tagging, feature tracking, velocity encoding - is there a winner. | 1067 |
| | J.A.C. Lima (Baltimore, US) | |
| 17:37 | A different way of looking at cardiac mechanics: The concept of the constant-volume heart. | 1068 |
| | M. Carlsson (Lund, SE) | |

16:30 - 18:00

Rapid Fire Abstract

AGORA

New methods in the echocardiographic assessment of cardiac function

Chairpersons: O.A.B. Breithardt (Kassel, DE); A. Hagendorff (Leipzig, DE)

- | | | |
|-------|---|------|
| 16:30 | Panel of experts: | 1069 |
| | J. Gorcsan (St. Louis, US); F.E. Rademakers (Leuven, BE) | |
| 16:30 | Evaluation of left atrial function using speckle tracking echocardiography in patients with transapical transcatheter aortic valve replacement | 1070 |
| | M.A.S. Fahim, S.V. Pislaru, P.A. Pellikka, V.T. Nkomo, C.S. Rihal, K.L. Greason, C. Pislaru (Rochester, US) | |
| 16:39 | Should we extend indications for transesophageal echocardiography before atrial fibrillation cardioversion for patients with low risk in CHA2DS2Vasc score? | 1071 |
| | K. Kosmalka, E.-S. Stepnowska, M.-R. Rzyman, N.G.M. Gilis-Malinowska, P.-M. Miekus, M.-F. Fijalkowski (Gdynia, Gdansk, PL) | |
| 16:48 | One size doesn't fit all: a novel scoring method for detecting coronary arteritis in acute Kawasaki disease | 1072 |
| | I.H. Tai, K.S. Hsieh, H.C. Kuo, M.H. Lo, C.F. Huang, Y.J. Lin, I.C. Lin (Kaohsiung, TW) | |
| 16:57 | The Performance of CT coronary angiography derived correction factor (ACTIV-LVOT Study) in assessing aortic valve disease by echocardiography | 1073 |
| | E. Alskaf, T. Gupta, A. Kardos (Milton Keynes, GB) | |
| 17:06 | Dilatation of aortic root in patients after kidney transplantation | 1074 |
| | M. Obremaska, M. Boratynska, M. Szymczak, D. Zysko, M. Klinger (Wroclaw, PL) | |
| 17:15 | Prevalence, morphological characteristics and management of complicated atherosclerotic aortic plaques in acute ischemic stroke patients previously selected by echoscan. | 1075 |
| | R. Fernandez-Galera, M.T. Gonzalez-Alujas, J. Juega, J. Pagola, L. Gutierrez Garcia-Moreno, M.T. Espriu Simon, J.F. Rodriguez-Palomares, G. Maldonado, N. Villalva, I. Dentamaro, G. Italiano, J. Alderete, I. Silveira, C. Granato, A. Evangelista Masip (Barcelona, ES) | |
| 17:24 | Hepatic steatosis assessed quantitatively with echocardiography correlates with liver biopsy in severely obese patients | 1076 |
| | G. Styczynski, P. Kalinowski, L. Michalowski, R. Paluszkiewicz, B. Ziarkiewicz-Wroblewska, K. Zieniewicz, P. Sobieraj, C. Szmigielski (Warsaw, PL) | |
| 17:33 | The value of left coronary artery dissection concomitant with Stanford A type acute aortic dissection diagnosed by intraoperative transesophageal echocardiography | 1077 |
| | J. Komuro, K. Mahara, K. Kishiki, M. Ota, H. Fujimaki, H. Shitan, H. Yamamoto, T. Okubo, M. Terada, S. Takanashi (Tokyo and Kobe, JP) | |
| 17:42 | Early effect of balloon mitral valvuloplasty on left atrial reverse remodelling in mitral stenosis patients | 1078 |
| | R.K. Ola, C.B. Meena, S.M. Sharma, S. Ramakrishnan, A. Agarwal, O.P. Khoja, S. Bhargava (Jaipur and New Delhi, IN) | |
| 17:51 | Diagnostic value of echocardiographic 3D quantification methods in mitral regurgitation: comparison with 2D standard quantification methods | 1079 |
| | C. Marini, M. Sartorio, S. Stella, C. Capogrosso, F. Ancona, L. Italia, I. Rosa, A.G. Pavon, A. Margonato, E. Agricola (Milan, IT) | |

16:30 - 18:00

Workshop

TOE Room

Focus on ASD closure



To provide basic skills in probe manipulation to obtain standard views and knowledge on spatialanatomic relationships by 2D/3D TOE echocardiography using modern training equipment

16:30 **Presenters:**
E. Agricola (Milano, IT); R. Teixeira (Coimbra, PT)

1080

18:00 - 19:00

Special Session

LISBOA

Echo@Jeopardy

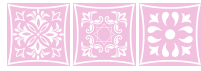
Chairpersons: B. Cosyns (Brussels, BE); P. Lancellotti (Liege, BE)

We are turning the popular Jeopardy game into a cardiovascular imaging challenge.

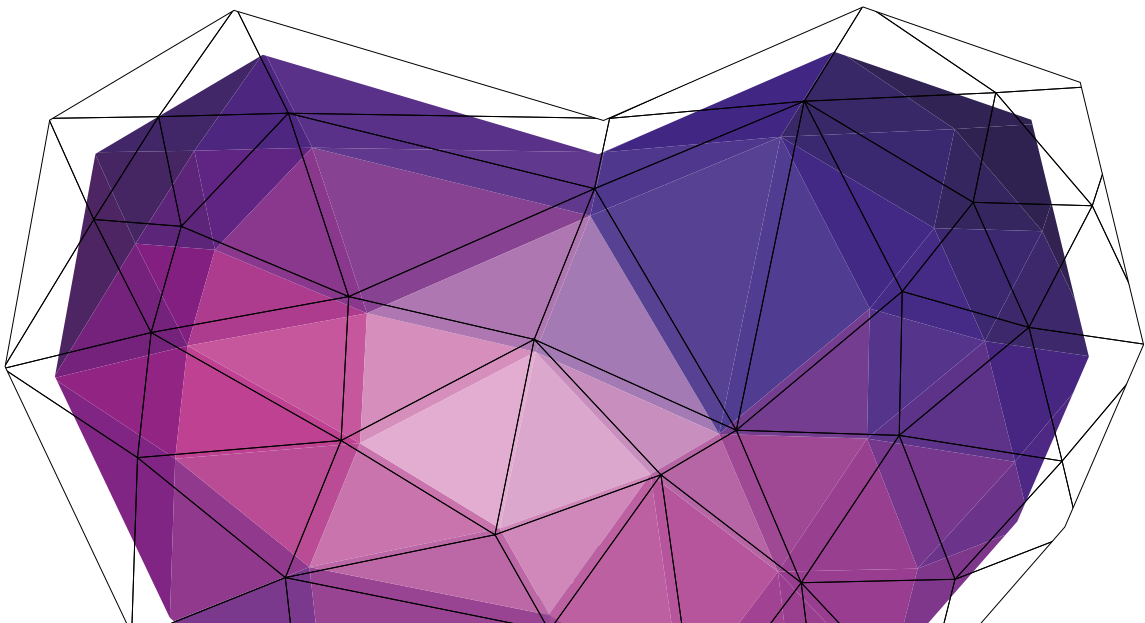
18:00	Master slide Echo@Jeopardy.	1081
18:00	Echo at Jeopardy - Presenters: S. Matskeplishvili (Moscow, RU); M. Cameli (Siena, IT)	1082
18:00	EACVI Team. E. Donal (Rennes, FR); M. Galderisi (Naples, IT); A.N. Neskovic (Belgrade, RS); V. Delgado (Leiden, NL)	1083
18:15	Local host Team. N. Cardim (Lisbon, PT); A.M.G. Almeida (Lisbon, PT); F.M. Macedo (Porto, PT); C. Sousa (Porto, PT)	1084
18:30	The rest of the world Team. J.C. Plana (Houston, US); S. Mohareem-Elgamal (Cairo, EG); M. Takeuchi (Kitakyushu, JP); H. Soliman (Abu Dhabi, AE)	1085
18:45	Case coordinators. E. Donal (Rennes, FR); N. Cardim (Lisbon, PT); J.C. Plana (Houston, US)	1086



EuroEcho Imaging2017



Friday Posters



WEDNESDAY
SESSIONS

WEDNESDAY
POSTERS

THURSDAY
SESSIONS

THURSDAY
POSTERS

FRIDAY
SESSIONS

FRIDAY
POSTERS

SATURDAY
SESSIONS

SATURDAY
POSTERS

INDEX

HIT MODERATED POSTER SESSION

All posters are on display from 08:30 to 18:00.

12:45 - 13:45 - Lunchtime HIT Poster hosts.

Meet the presenters by their poster

CLINICAL CASE MODERATED POSTER SESSION

MORNING

All moderated posters are on display from 08:30 to 12:30.

10:00 - 11:00 - Meet the presenters by their poster.

AFTERNOON

All posters are on display from 14:00 to 18:00.

15:30 - 16:30 - Meet the presenters by their poster.

ABSTRACT MODERATED POSTER SESSION

All moderated posters are on display from 08:30 to 18:00.

12:45 - 13:45 - Meet the presenters by their poster.

ABSTRACT & CLINICAL CASE POSTER SESSIONS

MORNING

All posters are on display from 08:30 to 12:30.

10:00 - 11:00 - Meet the presenters by their poster.

AFTERNOON

All posters are on display from 14:00 to 18:00.

15:30 - 16:30 - Meet the presenters by their poster.

HIGH SCORE POSTER

Look out for these abstracts acknowledged by the reviewing committee.

Missed a presentation?

After the congress, abstracts will be available online and a selection of slide presentations will be available only to EACVI Members.

More information on the ESC-EACVI Stand.

IMPORTANT INFORMATION FOR PRESENTERS

MORNING SESSIONS:

Poster presenters must set up Poster between 08:00-08:30.

All posters not affixed by 10:00 may be considered as no-show.

Posters must be removed from the area between 12:30 - 13:00.

AFTERNOON SESSIONS:

Poster presenters must set up Poster between 13:30 - 14:00.

All posters not affixed by 15:30 may be considered as no-show.

Posters must be removed from the area between 18:00-18:30.

Abstract presenters can consult the POSTER ASSISTANCE DESK for further information and to retrieve their Certificate of Presentation.

08:30 - 18:00

Poster Session

POSTER AREA

HIT Poster session 3

EACVI HIT (Heart Imagers of Tomorrow)



Lunch time HIT Poster hosts - 12:45 - 13:45.

P1087

O. Kamp (Amsterdam, NL); D. Muraru (Padua, IT); F. Bandera (San Donato Milanese, IT); F. Lo Iudice (Naples, IT);
A. Kataoka (Tokyo, JP); D. Nistor (Targu Mures, RO)

ST2 and myocardial fibrosis in aortic valve stenosis

P1088

E. Calogero, I. Fabiani, N.R. Pugliese, L. Conte, V. Barletta, R. Di Stefano, T. Santoni, C. Scatena, U. Bortolotti, A.G. Naccarato,
A.S. Petronio, V. Di Bello (Pisa, IT)

Right ventricular ejection fraction measured by three-dimensional echocardiography predicts survival better than FAC and TAPSE in patients with various cardiac diseases

P1089

F. Prevedello, A. Nese, B. Elnagar, D. Genovese, E. Surkova, G. Cavalli, P. Aruta, C. Palermo, H. Rodriguez Zanella, S. Iliceto,
L.P. Badano, D. Muraru (Padua, IT; Tanta, EG; London, GB; Mexico City, MX)

Right ventricular dysfunction in patients with atrial fibrillation, chronic heart failure and electronic devices correlates with NYHA class but not with NT-proBNP and 6-minute walk test results.

P1090

E. Majos, A. Kraska, I. Kowalik, E. Smolis-Bak, H. Szwed, R. Dabrowski (Warsaw, PL)

Role of magnetic resonance imaging in cardiac tumours: a five years single centre experience

P1091

F. Bianco, V. Bucciarelli, C. Mantini, S. Gallina, R. De Caterina, G.D. Aquaro (Chieti and Pisa, IT)

Prognostic value of two-dimensional speckle tracking in patients with ST-elevated myocardial infarction

P1092

S. Tadic, A. Stojisic-Milosavljevic, A. Ilic, R. Jung, M. Stefanovic, S. Stojisic, M. Sladojevic, A. Milovancev (Sremska Kamenica, RS)

Prevalence of left ventricular thrombus formation after anterior ST elevation myocardial infarction and complications

P1093

P. Vilardell, D. Bosch, X. Albert, M. Morales, J. Aboal, P. Loma-Orsorio, J.M. Frigola, C. Tiron, M. Nunez, H. Kassem, P. Ortuno,
G. Sanchez, N. Canete, B. Domenech, R. Brugada (Girona, ES)

Prognostic role of right ventricular function in patients with severe aortic stenosis and preserved ejection fraction undergoing aortic valve replacement

P1094

E. Galli, C. Dumont, A. Hubert, C. Leclercq, E. Donal (Rennes, FR)

Impact of aortic valve reconstruction with autologous pericardium on left ventricular performance in patients with severe aortic stenosis: comparison with aortic valve replacement

P1095

S. Jinno, A. Yamada, K. Sugimoto, S. Ito, H. Sugiyama, A. Takahashi, H. Kubo, A. Higashimoto, R. Tanaka, A. Oda, K. Takada, J. Ishii,
Y. Ozaki (Toyoake, JP)

Influence of heart rate on severity of regurgitation in patients with tricuspid regurgitation

P1096

M.F. Fukui, A.G. Goda, K.M. Masai, Y.S. Soyama, A.M. Matsumoto, T.O. Oshita, Y.O. Ohta, T.M. Masuyama (Nishinomiya, JP)

Uncorrected single ventricle adults and Eisenmenger syndrome: two different pathologies with the same treatment?

P1097

A case series from a tertiary center

D.M. Dorobantu, R. Enache, R. Badea, T. Radu, L. Predescu, P. Platon, C. Ginghina, B.A. Popescu, I.M. Coman (Bucharest, RO)

High correlation of deformation characteristics and left ventricle ejection fraction in patients with ST-segment elevation myocardial infarction of anterior wall

P1098

V. Oleinikov, V. Galinskaya, S. Kupriyanova, Y. Tomashevskaya, N. Burko (Penza, RU)

Effect of diabetic duration on left ventricular global longitudinal strain in diabetic patients by speckle tracking imaging

P1099

A. Elgohary (Al Jizah, EG)

Global longitudinal strain in patients with mild diastolic dysfunction and normal ejection fraction

P1100

D. Maisuradze (Tbilisi, GE)

Semi-automated estimation of left ventricular ejection fraction by 2D and 3D echocardiography is feasible, time-efficient and reproducible

P1101

K.A. Myhr, F.H.G. Pedersen, C. Hassager, R. Mogelvang (Copenhagen, DK)

08:30 - 12:30

Poster Session

POSTER AREA

Clinical Case Poster session 4

From hepatic carcinoma to heart failure: a rare late complication with a devastating cascading effect	P1102
A.C. Guta (Bucharest, RO)	
A clinical case of pulmonary artery sarcoma	P1103
I. Arkhipova (Astrakhan, RU)	
Intracardiac mass from hepatocellular carcinoma mimicking right heart failure	P1105
J. Okafor (London, GB)	
Two problems, one cause	P1106
N.M. Fotea (Bucharest, RO)	
A thrombus straddling a patent foramen ovale: Quo vadis?	P1107
R.A. Guerreiro (Evora, PT)	
When there is more than meets the eye: a challenging case of myocardial infarction	P1108
C.C. Neagu (Bucharest, RO)	
Giant left atrial appendage thrombus	P1109
J. Rigueira (Lisbon, PT)	
Assessment of coronary artery flow during routine echocardiography can reveal significant stenosis in an asymptomatic patient	P1110
A. Zagatina (St. Petersburg, RU)	
The silent complications	P1111
M. Hassan Abdelnabi (Alexandria, EG)	
Peculiar evolution of an acute myocardial infarction complicated with left ventricular apical rupture	P1112
M.L. Luchian (Ploiesti, RO)	
Acute coronary artery occlusion - is it enough to rely on ECG and troponin values?	P1113
H.S. Schroer (Berlin, DE)	
Portrait of a complex mitral valve leak	P1114
B. Carbonell Prat (Esparreguera, ES)	
Torrential tricuspid regurgitation improved with coronary intervention: An insight from three-dimensional echocardiography	P1115
N. Hamid (Singapore, SG)	
Right sided infective endocarditis: don't miss the Eustachian valve	P1117
I. Dentamaro (Bari, IT)	
A very rare case report: left atrial wall vegetation after dental procedure	P1118
S.E.D.A. Tan Kurklu (Ankara, TR)	
Relapsing Q fever infective endocarditis	P1119
R. Ilhao Moreira (Coimbra, PT)	
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S. Stella (Vimodrone, IT)	
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S.M.H. El Tayeb (Dammam, SA)	
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K. Ahmed (Galway, IE)	
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M. Tropa (Porto, PT)	
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C. Dugo (Verona, IT)	
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R.F. Formisano, L.P. Petraglia, A.C. Caruso, S.P. Provenzano, M.G.G. Grimaldi, G.R. Rengo, D.L. Leosco, N.F. Ferrara, V. Parisi (Naples and Maddaloni, IT)

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M.J. Vieira, J. Ribeiro, P. Dinis, B. Milagre, L. Goncalves, R. Teixeira (Santarém and Coimbra, PT; Luanda, AO)

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C. Scali, C. De Azevedo Bellagamba, Q. Ciampi, I. Simova, J.L. De Castro E Silva Pretto, A. Djordjevic-Dikic, C. Dodi, L. Cortigiani, A. Zagatina, P. Trambaiolo, M.A.R. Torres, R. Citro, P. Colonna, M. Paterni, E. Picano (Pisa, Benevento, Cremona, Lucca, Rome, Salerno and Bari, IT; Porto Alegre and Passo Fundo, BR; Sofia, BG; Belgrade, RS; Saint Petersburg, RU)

Variability of left atrial volume in patients with ischemic heart disease

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M. Backman, S. Rosfors (Stockholm, SE)

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I. Bytyci, G. Bajraktari, B. Bytyci, M.Y. Henein (Prishtina, XK; Umea, SE)

3D printing facilitates left atrial appendage device closure

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E. Obasare, S.K. Mainigi, D.L. Morris, E. Friend, G.S. Pressman (Philadelphia, US)

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P. Ibrahim, G. Bajraktari, I. Bytyci, F. Jashari, H. Jashari, M.Y. Henein (Prishtina, XK; Umea, SE)

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Poster session 5

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R.M. Murphy, M.B. Barrett, C.M.C. McCreery (Dublin, IE)

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M. Styliadis, G. Heggelund, H. Lindekleiv, M.-L. Lochen, T. Wilsgaard, I. Njolstad, E. Mathiesen, H. Schirmer (Tromsø, NO)

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I. Petre, S. Iancovici, O.F. Tautu, M. Dorobantu (Bucharest, RO)

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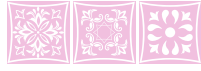
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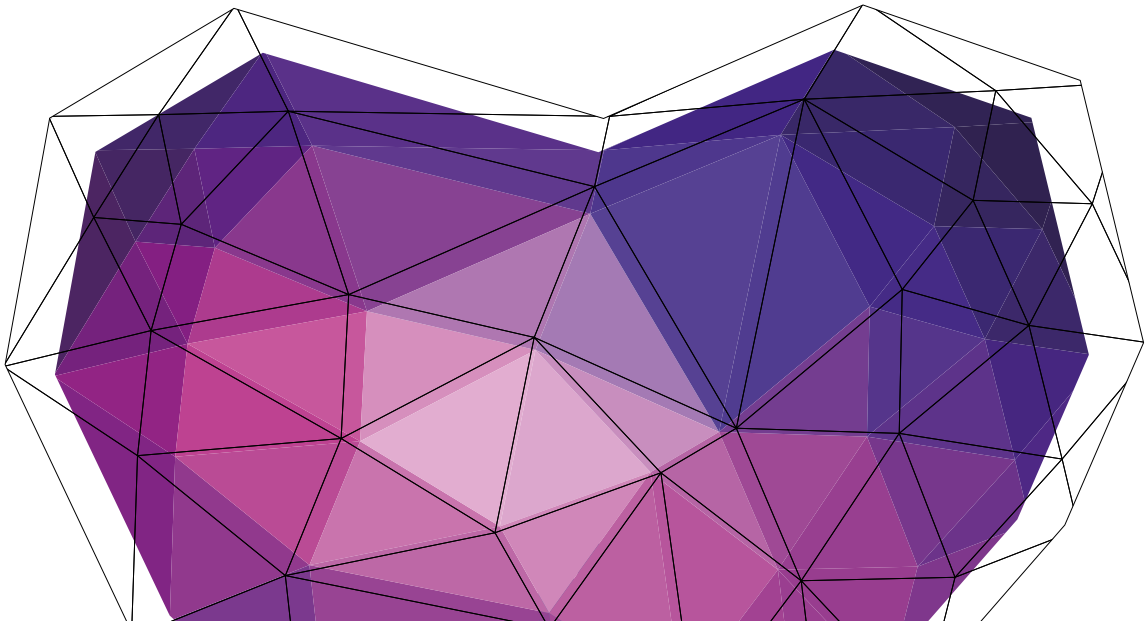
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Saturday Sessions



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08:30 - 10:00

Symposium

PORTO

Methods and value of cardiotoxicity assessment in oncologic disease

Chairpersons: M. Scherrer-Crosbie (Philadelphia, US); M. Galderisi (Naples, IT)

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| 08:30 | Cardiac complications of cancer therapy.
J. Bergler-Klein (Vienna, AT) | 1416 |
| 08:52 | Multimodality imaging options to assess oncologic cardiotoxicity.
J.C. Plana (Houston, US) | 1417 |
| 09:15 | Treatment and prevention of cardiotoxicity from cancer treatment.
M. Galderisi (Naples, IT) | 1418 |
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A.D.Andrea (Naples, IT) | 1419 |

08:30 - 10:00

Teaching Course

COIMBRA

Standard and advanced echocardiographic evaluation in cardiomyopathies

Chairpersons: A.S. Pearlman (Seattle, US); F.J. Pinto (Lisbon, PT)

Teaching courses are specifically dedicated to an audience aiming to improve its knowledge and understanding and perfect its skills in a main topic of the Core curriculum of the EACVI.

- | | | |
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| 08:30 | Physiologic vs pathologic hypertrophy.
P. Perrone-Filardi (Naples, IT) | 1420 |
| 08:52 | Hypertrophic cardiomyopathy.
M. Rosca (Bucuresti, RO) | 1421 |
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A. Linhart (Prague, CZ) | 1423 |

08:30 - 10:00

Symposium

EVORA

HIT HOT session (Heart Imagers of Tomorrow - Heart failure specialists Of Tomorrow)



Chairpersons: M. Cameli (Siena, IT); E.A. Jankowska (Wroclaw, PL)

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| 08:30 | Acute dyspnea: the role of ultrasound.
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M.M. Gurus (Bucharest, RO) | 1425 |
| 09:15 | Do the right thing: imaging the right ventricle in left-sided heart failure.
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G. Vergaro (Pisa, IT) | 1427 |

08:30 - 10:00

Symposium

GUIMARAES

Cardiac CT Secrets

Chairpersons: A. Saraste (Turku, FI); P. Maurovich-Horvat (Budapest, HU)

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G. Pontone (Milan, IT) | 1428 |
| 08:52 | Coronary CTA: Frequent misinterpretations - and how to avoid them.
S. Mohareem-Elgamal (Cairo, EG) | 1429 |
| 09:15 | Assessment of valve disease by CT.
M. Marwan (Erlangen, DE) | 1430 |
| 09:37 | CT-FFR made easy.
J. Sonck (Asse, BE) | 1431 |

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Symposium

GUARDA

New horizons in congenital heart imaging

Chairpersons: L. Mertens (Toronto, CA); K. Pushparajah (London, GB)

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08:52	Fusion imaging S. Hascoet (Paris, FR)	1433
09:15	Fetal cardiac MRI M. Seed (Toronto, CA)	1434
09:37	Shear wave imaging: update and application in congenital heart disease O. Villemain (Paris, FR)	1435

08:30 - 10:00

Clinical Cases

AGORA

The image you never saw but it exists!

Chairpersons: A.N. Neskovic (Belgrade, RS); S.V. Pislaru (Rochester, US)

Young clinicians will present their cases and experts will be asked to moderate the sessions, facilitate interaction with the audience, prompt discussions, challenge the presenters and the audience.

The main objective of the session is to learn from challenging clinical case scenarios

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08:30	Giant cardiac tumor in a newborn. M.E. Amaral (Coimbra, PT)	1437
08:39	Role of multimodality imaging in diagnosis, decision making and successful device closure of giant left ventricular pseudoaneurysm A. Karande (Indore, IN)	1438
08:48	Unusual cause of aborted sudden cardiac death G. Pestana (Porto, PT)	1439
08:57	An unusual cause of acute coronary syndrome M. Augusto Goncalves (Lisbon, PT)	1440
09:06	Right atrium angiosarcoma: an unexpected cause of stroke L. Marques (Penafiel, PT)	1441
09:15	Straddling atrial thrombus associated with pulmonary embolism and acute coronary syndrome L. Lanzoni (Negrar, IT)	1442
09:24	Dyspnea in 67-year-old man with stage IV prostatic adenocarcinoma. G. Ramirez-Escudero Ugalde (Bilbao, ES)	1443
09:33	Demonstrable intra-cardiac thrombus in a new case of classical homocystinuria S.T. Tan (London, GB)	1444
09:42	Aortic fibroelastoma as a peculiar aetiology of myocardial ischemia V. Spini (Empoli, IT)	1445
09:51	A ghost in the heart M. Bizot (Nancy, FR)	1446

10:00 - 11:00

Special Session

AGORA

Hightech corner session 2

Session focusing on the most up-to date technology

Chairpersons: V. Mor-Avi (Chicago, US); J.P. Carpenter (Burley, GB)

10:00	Fusion of 3D echo strain and CT angiography V. Mor-Avi (Chicago, US)	1447
10:15	Discussion/Q&A.	
10:20	Multimodal image fusion for cardiac resynchronization therapy optimization. A. Simon (Rennes, FR)	1448
10:35	Discussion/Q&A.	
10:40	Current trends in 4D flow MRI: towards clinical application. G. Barone-Rochette (Grenoble, FR)	1449
10:55	Discussion/Q&A.	

10:00 - 11:00

Moderated Posters

MODERATED POSTER AREA

Congenital heart disease

Chairpersons: X. Iriart (Pessac, FR); G. Di Salvo (London, GB)

Personalized Three-Dimensional printing in one device closure for multiple atrial septal defects guided with thoracic echocardiography: feasibility and clinical effect	P1450
F. Fang, X. Qiu, W.B. Ouyang, S.Z. Wang, X.B. Pan (Beijing, CN)	
Normal values for left and right ventricular systolic strain in Caucasian children by two dimensional speckle-tracking echocardiography: little variations with age and somatic growth	P1451
M. Cantinotti, E. Franchi, M. Scalese, G. Corana, N. Assanta (Massa, IT)	
Intraventricular flow characterization by vector flow mapping: do energy distribution curves and wall shear stress provide incremental hemodynamic information in cardiomyopathy?	P1452
M. Craft, C. Casey, K. Bisselou, C. Erickson, R. Spicer, D. Danford, S. Kutty (omaha and Twinsburg, OH, US)	
Three-dimensional changes of aortic geometry in Marfan syndrome beyond the aortic root: a 4D-MRI study	P1453
G. Teixido Tura, A. Guala, L. Dux-Santoy, G. Maldonado, N. Villalva, F. Valente, L. Gutierrez, T. Gonzalez-Alujas, R. Fernandez, L. Galian, M. Huguet, J. Rodriguez-Palomares, D. Garcia-Dorado, A. Evangelista (Barcelona, ES)	
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K. Yazaki, K. Takahashi, M. Kobayashi, T. Iso, M. Yamada, S. Shigemitsu, K. Matsui, K. Akimoto, M. Kishiro, K. Nakanishi, S. Kawasaki, K. Itatani, T. Shimizu (Tokyo and Kyoto, JP)	
Relationship between cardiovascular magnetic resonance assessment of native right ventricular outflow tract morphology and clinical status in adults late after tetralogy of fallot repair	P1455
A. Van De Bruaene, L. Benson, E. Horlick, R. Wald (Toronto, CA)	
Relationship of ventricular geometry, myocardial motion, and pressure in patients with repaired tetralogy of Fallot	P1456
K.-P. Weng, M.-T. Wu, H.-H. Peng (Kaohsiung and Hsinchu, TW)	
Multimodality assessment of the neo-aortic valve regurgitation in adolescents and young adults with transposition of the great arteries after the arterial switch operation.	P1457
K.W. Michalak, K. Sobczak - Budlewska, K. Szymczyk, M. Moll, J.J. Moll, J.A. Moll (Lodz, PL)	

10:00 - 11:00

Moderated Posters

MODERATED POSTER AREA

Clinical cases moderated - Waiting for Euro-Endo results: endocarditis clinical cases

Chairpersons: F. Asch (Washington, US); P.R. Fazendas (Almada, PT)

Huge pseudaneurysm in prosthetic valve endocarditis	P1458
S. Aguiar Rosa (Lisbon, PT)	
Left sided endocarditis causing recurrent right sided emboli	P1459
M. Korani (Manchester, GB)	
Ghosts do exist: a challenging device-related endocarditis clinical case	P1460
A.C. Freitas (Lisbon, PT)	
Lessons learned from the first reported case of infective endocarditis with aortic root abscess, bacterial pericarditis and pulmonary abscess due to Cellulomonas	P1461
K. Thomas (Reading, GB)	
An infected network	P1462
J. Hennequin (Nancy, FR)	
Isolated left atrial mural endocarditis complicated by endogenous endophthalmitis	P1463
A.E. Vijjiac (Bucharest, RO)	

10:10 - 10:55

How-to Session

PORTO

How to analyze nuclear cardiology data - tips for beginners

EACVI HIT (Heart Imagers of Tomorrow)



Chairperson: O. Gaemperli (Zurich, CH)

How-to session provides practical details and tools or tips and tricks on a specific topic related to the research. These sessions are built to help attendees to improve their experiences to complete successfully research project: from founding and grant application, to data analysis, results presentation and publication.

10:10	Presenter:	1464
	R. Liga (Pisa, IT)	

11:00 - 12:30

Special Session

PORTO

EuroEcho-Imaging 2017 highlights

Chairpersons: B.A. Popescu (Bucharest, RO); T. Edvardsen (Oslo, NO)

11:00	Heart failure.	1465
	K.H. Haugaa (Oslo, NO)	
11:15	New technologies.	1466
	D. Muraru (Padua, IT)	
11:30	Valvular heart disease.	1467
	J.S. Dahl (Odense C, DK)	
11:45	Congenital heart disease.	1468
	O. Miller (London, GB)	
12:00	Cardiac magnetic imaging.	1469
	C. Bucciarelli-Ducci (Bristol, GB)	
12:15	Computed tomography/Nuclear cardiology.	1470
	A. Gimelli (Pisa, IT)	

11:00 - 12:30

Symposium

COIMBRA

Mitral regurgitation - how to approach?

Joint session with the Working Group of Echocardiography of the Hellenic Cardiological Society



Chairpersons: L. Rallidis (Argiroupolis, GR); F. Antonini-Canterin (Pordenone, IT)

11:00	Mitral regurgitation quantification. I. Ikonomidis (Athens, GR)	1471
11:22	Value of Cardiac Magnetic resonance for mitral regurgitation. P. Cremer (Shaker Heights, US)	1472
11:45	Stress echo and mitral regurgitation. D. Patsouras (Ioannina, GR)	1473
12:07	Echocardiography for guiding the treatment. J.M. Song (Seoul, KR)	1474

11:00 - 12:30

Symposium

EVORA

Right Heart Failure

Joint session with the European Association of Cardiovascular Imaging (EACVI) and the Asia-Pacific Association of Echocardiography (AAE)



Chairpersons: J.K. Oh (Rochester, US); T. Kukulski (Zabrze, PL)

11:00	The comprehensive echo assessment of right ventricular failure. D. Jakrapanichakul (Bangkok, TH)	1475
11:22	Right heart cardiomyopathies. H. Yamada (Tokushima, JP)	1476
11:45	Right sided valvular heart disease. Y.J. Kim (Seoul, KR)	1477
12:07	Pericardial diseases. D.P. Pellerin (London, GB)	1478

11:00 - 12:30

Symposium

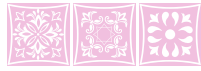
GUIMARAES

Imaging for intervention in single ventricle patients

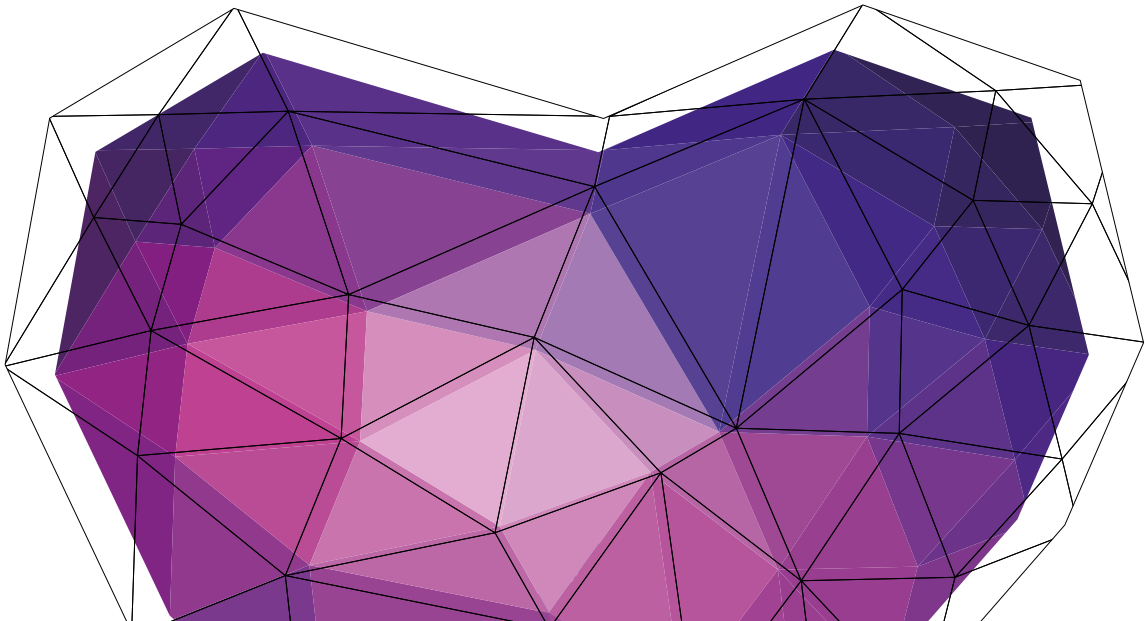
Chairpersons: C.J. McMahon (Dublin, IE); A. Dragulescu (Toronto, CA)

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11:22	Imaging strategy along the single ventricle pathway B. Bonello (London, GB)	1480
11:45	Imaging for extra-cardiac complications. Y. Dori (Philadelphia, US)	1481
12:07	Imaging for interventions for complications in the Fontan circuit. S.V. Babu-Narayan (London, GB)	1482

EuroEcho Imaging2017



Saturday Posters



WEDNESDAY
SESSIONS

WEDNESDAY
POSTERS

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CLINICAL CASE MODERATED POSTER SESSION

All moderated posters are on display from 08:30 to 12:30.

10:00 - 11:00 - A little bit of everything.

ABSTRACT MODERATED POSTER SESSIONS

All moderated posters are on display from 08:30 to 12:30.

10:00 - 11:00 - Meet the presenters by their poster.

ABSTRACT & CLINICAL CASE POSTER SESSIONS MORNING POSTER SESSION

All posters are on display from 08:30 to 12:30.

10:00 - 11:00 - Meet the presenters by their poster.

HIGH SCORE POSTER

Look out for these abstracts acknowledged by the reviewing committee.

Missed a presentation?

After the congress, abstracts will be available online and a selection of slide presentations will be available only to EACVI Members.

More information on the ESC-EACVI Stand.

IMPORTANT INFORMATION FOR PRESENTERS

MORNING SESSIONS:

Poster presenters must set up Poster between 08:00 - 08:30.

All posters not affixed by 10:00 may be considered as no-show.

Posters must be removed from the area between 12:30 - 13:00.

Abstract presenters can consult the POSTER ASSISTANCE DESK for further information and to retrieve their Certificate of Presentation.

08:30 - 12:30

Poster Session

POSTER AREA

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08:30 - 12:30

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POSTER AREA

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R. Kakiyara, N. Inou, A. Kuramoto, A. Inayoshi (Toyohashi and Tokyo, JP)

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B. Neves, J. Melo Alves, A. Raimundo, A. Toste, D. Ferreira, N. Cardim (Lisbon, PT)

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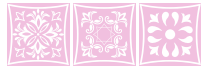
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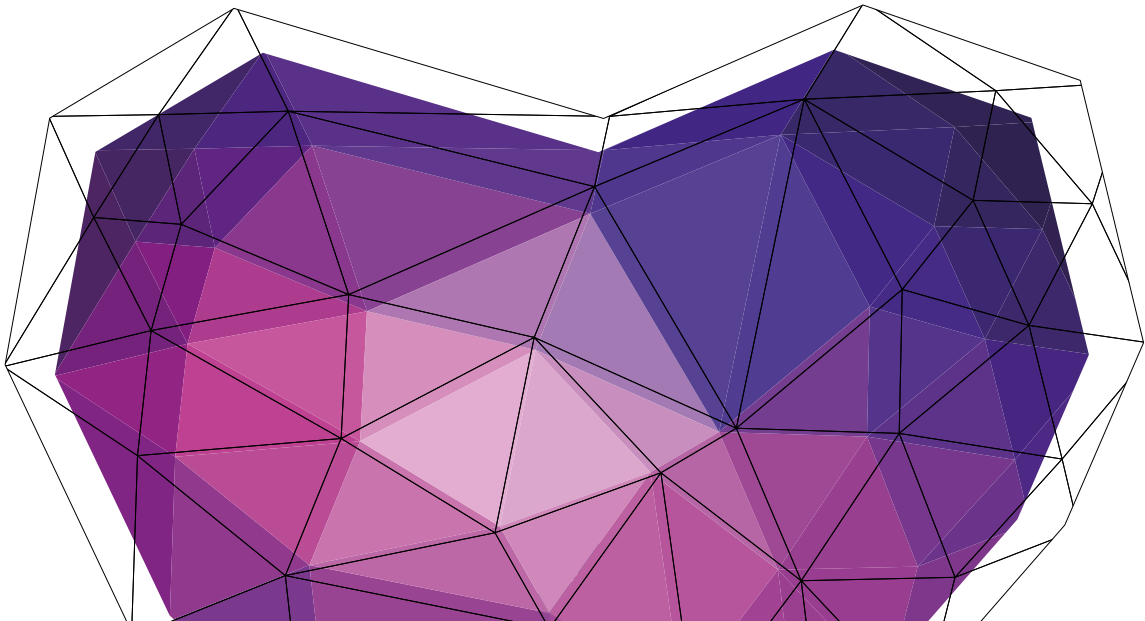
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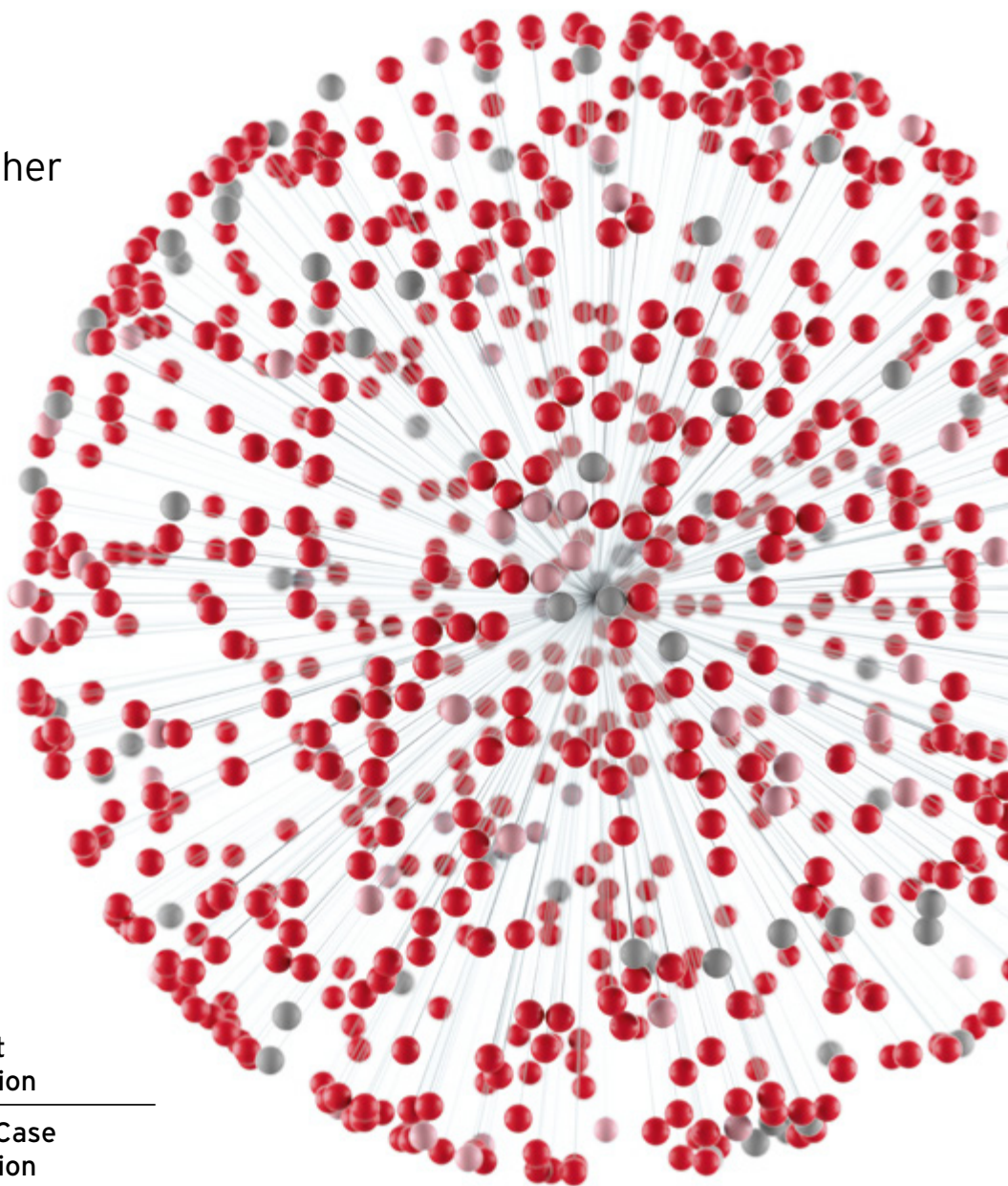
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