


MADRID ACCIS – 2024

Acute Cardiac Care, Interventions & Support



May 22nd – 24th, 2024
Madrid, Spain

Hotel Meliá Avenida de América
C. de Juan Ignacio Luca de Tena, 36, 28027 Madrid



CATHETER INTERVENTIONS CRITICAL CARE AND CIRCULATORY SUPPORT IN HEART CONDITIONS CAUSING ADVANCED HEART OR CARDIOGENIC SHOCK

Advanced heart failure, cardiogenic shock, or the acute course of their causes may require the coordinated, rapid, and accurate application of critical care, mechanical circulatory support, and mechanical or electrical interventions. All of this is done with the aid of imaging.

The ACCIS course has been created to review and discuss the latest controversies and advances in this field, bringing together all stakeholders annually.

WHO SHOULD ATTEND?

This course is aimed at all healthcare professionals specialized in or interested in the medical management and care of acute or advanced cardiovascular failure, or the application of mechanical or electrical support measures in this scenario, or the use of imaging techniques in critically ill patients, or the performance of surgical or percutaneous interventions in this context.

ACCIS will also provide opportunities for other professionals interested in the field to learn from and network with health workers.

GENERAL INFORMATION

MEETING VENUE

Meliá Avenida América

C/ Juan Ignacio Luca de Tena, 36 - 28027 Madrid



DATE

May 22nd – 24th, 2024

OFFICIAL LANGUAGES

Spanish and English

TECHNICAL SECRETARIAT

Fundación para la Innovación en Biomedicina (FIBMED)

C/ Velázquez 25 2º A, 28001 Madrid

accismadrid@fibmed.org

www.ACCISmadrid.org

ORGANIZATION

DIRECTION

Ignacio Amat Santos (Valladolid, Spain)
Jaime Elízaga (Madrid, Spain)
Francisco Fernández-Avilés (Madrid, Spain)
Alberto San Román (Valladolid, Spain)

CO-DIRECTION AND SCIENTIFIC COMMITTEE

Circulatory Support & Acute cardiac intervention	Imaging & Acute cardiac interventions	Cardiogenic shock & coronary interventions	Cardiac interventions in acute Aortic Failure	Cardiac interventions in acute mitral failure	Interventions & circulatory support in acute/advanced right heart failure
Albert Ariza (Barcelona, Spain)	Javier Bermejo (Madrid, Spain)	José F. Díaz (Sevilla, Spain)	Cesar Moris de la Tassa (Oviedo, Spain)	Ignacio Cruz (Salamanca, Spain)	Pilar Escribano (Madrid, Spain)
Jose M ^o de la Torre (Santander, Spain)	Marta Sitges (Barcelona, Spain)	Manuel Martínez-Sellés (Madrid, Spain)	Manuel Anguita (Córdoba, Spain)	Jose M ^o Hernández (Málaga, Spain)	Jordi Riera (Barcelona, Spain)
Alexander Stepanenko (Valladolid, Spain)	Dolores Mesa Rubio (Córdoba, Spain)	Beatriz Vaquerizo (Barcelona, Spain)	Ramiro Trillo (Santiago, Spain)	Javier López (Valladolid, Spain)	Ángel Sánchez-Recalde (Madrid, Spain)

NURSE COORDINATION

Belén Rodríguez (Valladolid, Spain)
M^a Ángeles Palma (Madrid, Spain)

ORGANIZATION OF COMPETITIVE CASE PRESENTATION

“GRUPO JÓVENES CARDIÓLOGOS SEC”, Spanish Society of Cardiology

Pablo Díez Villanueva (Madrid, Spain)

FACULTY

International Guests and main representatives of Spanish groups involved in the field (Interventional Cardiology, Acute Cardiac Care and Heart Failure, Cardiac Imaging, Cardiac Surgery, Nursing, etc..)

THURSDAY
23rd May, 2024

SCIENTIFIC PROGRAM

MAIN ARENA TOLEDO

08:30

On-site Registration

8.30 – 8.45

Opening

Ignacio Amat
Jaime Elízaga
Francisco Fdez-Avilés
Alberto San Roman

8.45 – 9:15

Opening Keynote Lecture

TBD

Chair:
Francisco Fdez-Avilés

THURSDAY
23rd May, 2024

SCIENTIFIC PROGRAM

MAIN ARENA

9:15 – 10:35

Plenary Session I

Cardiogenic Shock: current general approach and trending topics

9.15 – 9.25

CASE #1 Presentation
TBD

Chairs:

TBD

9.25 – 9.40

Case #1 Pre-outcome Discussion
Members of the panel
Audience
Chairs to activate

9.40 – 9.55

9.55 - 10.10

Case #1 Outcome
TBD

Panel :

TBD

10.10 – 10.20

Case #1 Post-outcome Discussion
Members of the panel
Audience
Chairs

Case presenter:

TBD

10.20 – 10.30

Lecturers:

TBD

10.30 – 10.35

Session, I Closing remarks
Chairs

10.35 – 11.00

Coffee Break

Learning objectives:

Provide knowledge and expert opinion on:

- The method, advantages, and barriers of multidisciplinary regional network protocols for addressing cardiogenic shock.
- The existing evidence, organization, conditions, advantages, and limitations of remote mobilization of resources and professionals for "rescue" mechanical assistance and the transfer of patients with cardiogenic shock.

THURSDAY
23rd May, 2024

SCIENTIFIC PROGRAM

MAIN ARENA

11.00 – 12.20

Plenary Session II

**Ischemic cardiogenic shock:
new tools, new decisions**

11.00 – 11.10

CASE #2 Presentation

TBD

Chairs:

TBD

11.10 – 11.25

TBD

11.25 – 11.40

TBD

11.40 – 11.55

Case #2 Pre-outcome Discussion

Members of the panel

Audience

Chairs

Panel :

TBD

11.55 – 12.05

Case #2 Outcome

TBD

Case presenter:

TBD

12.05 – 12.15

Case #2 Post-outcome Discussion

Members of the panel

Audience

Chairs

Lecturers:

TBD

12.15 – 12.20

Session II Closing remarks

Chairs

Learning objectives :

Provide knowledge and expert opinion on:

- The timing and strategy of coronary revascularization in post-infarction cardiogenic shock, and the role of mechanical cardiac assistance.
- The prevalence, profile, prognosis, and management of post-infarction ventricular septal defect in the era of reperfusion and mechanical circulatory support.

THURSDAY
23rd May, 2024

SCIENTIFIC PROGRAM

MAIN ARENA

12.30 – 14.00

Plenary Session III

Aortic valve dysfunction inducing shock New paradigms beyond evidence

12.30 – 12.40

CASE #3 Presentation
TBD

Chairs:
TBD

12.40 – 12.55

TBD

Panel :
TBD

12.55 – 13.10

TBD

13.10 – 13.25

Case #3 Pre-outcome Discussion
Members of the panel
Audience
Chairs

Case presenters:
TBD

13.25 – 13.35

Case #3 Outcome
TBD

Lecturers:
TBD

13.35 – 13.45

Case #3 Post-outcome Discussion
Members of the panel
Audience
Chairs

13.45 – 13.55

Session III closing remarks
Chairs

Learning objectives :

To provide knowledge and insights on:

- The significance of imaging in emergent TAVI (Transcatheter Aortic Valve Implantation), including the accurate and rapid assessment using CT scan and potentially utilizing other readily available imaging modalities in this setting.
- The challenges or opportunities posed by TAVI in the context of aortic valve infection with severe valve and hemodynamic dysfunction.

THURSDAY
23rd May, 2024

SCIENTIFIC PROGRAM

MAIN ARENA

14.00 – 15.00

SPECIAL SESSION TBD

Lectures:

Chairs:

14.00 – 14.15

TAVI in cardiogenic shock. Current status, trends and needs.

Eric Van Belle

TBD

14.15 – 14.30

Severity of aortic valve dysfunction in cardiogenic shock. Always clear?

Javier Bermejo

Panel :

TBD

14.30 – 14.45

TAVI and mechanical support in cardiogenic shock. Synergies and proposals.

Giuseppe Tarantini

Lecturers:

TBD

14.45 – 15.00

Discussion

15.00 – 15.45

Lunch break

Learning objectives:

To provide knowledge and expert opinion on:

- TAVI procedure compared to other alternatives in the context of severe aortic valve dysfunction causing severe congestion or hemodynamic collapse.
- How to address the challenges of evaluating the severity of valve dysfunction in this context.
- The utility and method of mechanical support associated with TAVI in the presence or risk of hemodynamic collapse.

THURSDAY
23rd May, 2024

SCIENTIFIC PROGRAM

Exhibition Area

15.00 – 15.45

Break – Lunch

Sala Salamanca – Floor 1

15.00 – 15.45

TBD
Working Lunch

SCIENTIFIC PROGRAM

MAIN ARENA

8.30 – 10.00

Plenary Session IV

**Mitral valve dysfunction in the acute
or advanced setting. How to
proceed**

8.30 – 8.40

CASE #1 Presentation
TBD

Chairs:

TBD

8.40 – 8.55

TBD

8.55 – 9.15

TBD

Panel :

TBD

9.10 – 9.25

TBD

9.25 – 9.35

Case #4 Outcome
Andrés Sánchez

Case presenter:
TBD

9.35 – 9.45

Case #4 Post-outcome Discussion
Members of the panel
Audience
Chairs

Experts:

TBD

9.45 – 9.55

Session IV Closing remarks
Chairs

9.55 – 10.30

Coffee break

Learning objectives:

To provide knowledge and insights on:

- The efficacy of catheter-based repair in cardiogenic shock due to severe mitral regurgitation, including candidate selection and optimal timing for intervention.
- The differentiation between proportionate and disproportionate mitral regurgitation, along with the subsequent decision-making process, in the context of advanced heart failure or shock.

FRIDAY
24th May, 2024

SCIENTIFIC PROGRAM

MAIN ARENA

10.30 – 12.00

Plenary Session V

**Acute severe right heart failure:
let's focus on pulmonary embolism first**

10.30 – 10.40

CASE #5 Presentation
TBD

Chairs:

TBD

10.40 – 10.55

TBD

Panel :

10.55 – 11.10

TBD

TBD

Case presenter:

11.10 – 11.25

TBD

TBD

Experts:

11.25 – 11.35

TBD

TBD

11.35 – 11.45

Case #5 Post-outcome Discussion
Members of the panel
Audience
Chairs to activate

11.45 11.55

Session V closing remarks
Chairs

Learning objectives

To provide knowledge and expert opinion on:

- The significance of circulatory/respiratory support and new thrombectomy techniques in the current and future management of severe acute pulmonary embolism.
- The method organization of regional, multidisciplinary multicenter networks for the management of pulmonary embolism.

FRIDAY
24th May, 2024

SCIENTIFIC PROGRAM

MAIN ARENA

12.00 – 12.40

CLINICAL CASE COMPETITION

COMPETITIVE PRESENTATION AND DISCUSSION OF THE FOUR FINALIST CASES

Organized by the
"Grupo de Jóvenes Cardiólogos"
Spanish Society of Cardiology

**Secret deliberation of the Jury
after the presentation and the
discussion of the finalist cases**

Chairs:

Pablo Díez-Villanueva
(Madrid, Spain)

José María de la Torre
(Santander, Spain)

Members of the Jury:

TDB

FRIDAY
24th May, 2024

SCIENTIFIC PROGRAM

MAIN ARENA

12.45 – 14.00

SPECIAL SESSION

12.45 – 13.00

TBD

Chairs:

TBD

Panel:

TBD

Lectures:

13.00 – 13.15

TBD

Lecturers:

TBD

13.15 – 13.30

TBD

13.30 – 13.45

TBD

13.45 – 14.00

Discussion

Learning objectives:

To provide knowledge and expert opinion on the approach to the complexity and challenges of hemodynamically severe mitral insufficiency by:

- Understanding the value and limitations of characterizing it through imaging techniques.
- Selecting patients who are candidates for percutaneous or surgical valve repair.
- Exploring emerging approaches and techniques applicable in this scenario, considering the specific patient profile and available resources or expertise.

FRIDAY
24th May, 2024

SCIENTIFIC PROGRAM

MAIN ARENA

14.00 – 14.20

**AWARDS GIVING
CEREMONY
FOR THE WINNERS OF THE
BEST-CASE COMPETITION**

Chairs:

Pablo Díez-Villanueva
(Madrid, Spain)

José María de la Torre
(Santander, Spain)

Members of the Jury:

TDB

MAIN ARENA

14.20 – 14.30

FAREWELL

DEDICATED WORKSHOPS

WEDNESDAY
22nd May, 2024
and
THURSDAY
23rd May 2024

TRAINING ROOM: LAS PALMAS 1 – Floor 2

Training Session

Slot 1: Wednesday 22nd May, 16.00 – 17.30

Slot 2: Thursday 23rd May, 16.00 – 17.30

Limit of Participants: 25 in each slot

Trans-Esophageal echo for interventionalists and critical care: the basics and musts to know

Chairs:

TDB

Training Faculty:

TDB

Goals:

- To provide a global overview of trans-esophageal echocardiography for non-imaging specialists.
- To understand the indications and settle the bases for adequate study interpretation of TEE anatomical and functional findings, specifically targeted to interventional and critical cardiologists.

DEDICATED WORKSHOPS

THURSDAY
23rd May 2024

TRAINING ROOM: SALAMANCA - Planta 1

Training Session

Thursday 23rd May, 16.30 - 17.30

TDB

DEDICATED WORKSHOPS

WEDNESDAY
22nd May 2024
and
THURSDAY
23rd May 2024

TRAINING ROOM: LAS PALMAS 1 – Floor 2

Training Session

Slot 1: Wednesday 22nd May, 17:30 – 19:00

Slot 2: Thursday 23rd May, 17:30 – 19:00

Limit of participants: 20 in each slot

Anatomy, imaging and simulation for catheter mitral valve intervention.

Chairs:

TDB

Training Faculty:

TDB

Technical Support

TDB

Simulator practitioners

All attendees

Goals:

- To enhance the participants' understanding of the anatomy of the mitral valve and its surrounding structures, including the left atrium and ventricle.
- To improve the participants' ability to interpret imaging modalities commonly used in catheter mitral valve intervention.
- To provide participants with hands-on experience in using simulation tools to plan and execute catheter-based interventions for mitral valve disease.
- To facilitate collaboration and knowledge-sharing among participants, with the goal of improving patient care and outcomes in the field of mitral valve intervention.

TALLERES PRÁCTICOS

MIÉRCOLES
22 de mayo, 2024
y
JUEVES
22 de mayo, 2024

SALA DE FORMACIÓN: SALAMANCA - Planta 1

Sesión de formación

Franja 1: Miércoles 22 de mayo, 17:30 - 19:30

Franja 2: Jueves 23 de mayo, 17:30 - 19:30

Por definir

DEDICATED WORKSHOPS

WEDNESDAY
22nd May 2024
and
THURSDAY
23rd May 2024

TRAINING ROOM : ÁVILA – Floor 1

Training Session

Slot 1: Wednesday, 22nd May, 16.30 - 18.30

Slot 2: Thursday 23rd May, 16.00 - 18.00

Limit of participants: 8 in each slot

ECPR/V-A ECMO Training Station

Chairs:

TDB

Training Faculty:

TDB

ECMO Specialist Support:

TDB

Simulator practitioners:

All attendees

Goals:

- Indicate ECPR.
- Select adequate cannulation configuration.
- Cannulate at the cathlab and start V-A ECMO support.
- Adjust V-A ECMO settings.
- Prevent, diagnose and treat specific complications of V-A ECMO support.
- Wean vs withdraw vs change to EISOR.

DEDICATED WORKSHOPS

WEDNESDAY
22nd May 2024
and
THURSDAY
23rd May 2024

TRAINING ROOM: LAS PALMAS 2 – Floor 2

Slot 1: Wednesday 22nd May 2024, - 17:00 - 18:00

Slot 2: Thursday 23rd May 2024, - 17:30 - 18:30

Limit of Participants: 10 participants in each slot

CT-based anatomy for aortic valve intervention. 3Mensio made easy

Chairs:

TDB

Training Faculty:

TDB

Technical Support:

TDB

Goals:

- To understand the relationship between the anatomical components of the aortic valve complex and surrounding structures
- To introduce participants to the basic features and functions of 3Mensio software (user interface, data input methods, and analysis tools)
- To provide hands-on training in the use of 3Mensio for common medical imaging tasks (segmentation, visualization, and measurement of anatomical structures)
- To teach participants how to create and manipulate 3D models of medical images using 3Mensio for different purposes, such as intervention planning.

DEDICATED WORKSHOPS

WEDNESDAY
22nd May 2024
and
THURSDAY
23rd May 2024

TRAINING ROOM : LAS PALMAS 2 – Floor 2
Training Session
Slot 1: Wednesday, 22nd May, 18.00 - 19.00
Slot 2: Thursday 23rd May, 16.00 - 17.00
Limit of participants: 15 in each slot

Dealing with the vascular access. Ultrasound-guided puncture.

Chairs:

TDB

Training Faculty:

TDB

Technical Support

TDB

Simulator practitioners

All attendees

Goals:

- To provide participants with a comprehensive understanding of ultrasound-guided puncture for vascular access and familiarize them with the basic principles of ultrasound imaging applied to vascular access procedures.
- To teach participants how to identify appropriate vascular access sites using ultrasound guidance.
- To provide participants with hands-on practice using ultrasound-guided puncture techniques for vascular access.
- To equip participants with the knowledge and skills necessary to integrate ultrasound-guided puncture into their clinical practice.

WEDNESDAY
22nd May 2024

DEDICATED WORKSHOPS NURSES

TRAINING ROOM TENERIFE 2 – Floor 2

Cardiogenic Shock

16:00 - 16:30 TDB

Workshops: Nursing Techniques

1. TDB

16:30 - 17:30 **2. TDB**

3. TBD

4. TDB

Humanization for healthcare professionals

17:00 - 18:30 Manuela Rodríguez Ramos (Madrid, Spain)
Margarita Zamora Sanz (Madrid, Spain)
Alejandro Carta Bergaz (Madrid, Spain)

THURSDAY
23rd May 2024

DEDICATED WORKSHOPS NURSES

TRAINING ROOM TENERIFE 2 – Floor 2

TAVI

TAVI Case study

16:00 - 17:30

TDB

TAVI NURSE

TDB

17:30 - 18:30

Robotics in Hemodynamic Nursing

TDB

18:30 - 19:00

PET thrombectomy. Flowtriever Technique

TDB

19:00 - 19:45

ECMO

TDB

Terapia CARL

TDB

ACCREDITATION



Comisión de Formación Continuada de las
Profesiones Sanitarias de la Comunidad de Madrid
Sistema Nacional de Salud



Programa de acreditación de actividades
de formación continuada.
Actividad acreditada con **9 créditos** por la
Sociedad Española de Cardiología.



ORGANIZATION

TECHNICAL SECRETARIAT

Andrea Lobo-Guerrero

Fundación para la Innovación en Biomedicina (FIBMED)

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Technical Secretariat: Fundación para la Innovación en Biomedicina (FIBMED)
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