



# 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

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## **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](mailto:accismadrid@fibmed.org)

[www.ACCISmadrid.org](http://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)  Jose M <sup>o</sup> de la Torre (Santander, Spain)  Alexander Stepanenko (Valladolid, Spain)	Javier Bermejo (Madrid, Spain)  Marta Sitges (Barcelona, Spain)  Dolores Mesa Rubio (Córdoba, Spain)	José F. Díaz (Sevilla, Spain)  Manuel Martínez-Sellés (Madrid, Spain)  Beatriz Vaquerizo (Barcelona, Spain)	Cesar Moris de la Tassa (Oviedo, Spain)  Manuel Anguita (Córdoba, Spain)  Ramiro Trillo (Santiago, Spain)	Ignacio Cruz (Salamanca, Spain)  Jose M <sup>o</sup> Hernández (Málaga, Spain)  Javier López (Valladolid, Spain)	Pilar Escribano (Madrid, Spain)  Jordi Riera (Barcelona, Spain)  Ángel Sánchez-Recalde (Madrid, Spain.)

## NURSE COORDINATION

Belén Rodríguez (Valladolid, Spain)  
M<sup>a</sup> 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

# 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.

# 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.

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.



# SCIENTIFIC PROGRAM

MAIN ARENA		
14.00 – 15.00	SPECIAL SESSION TBD	
	Lectures:	Chairs:
14.00 – 14.15	<b>TAVI in cardiogenic shock. Current status, trends and needs.</b> Eric Van Belle	TBD
14.15 – 14.30	<b>Severity of aortic valve dysfunction in cardiogenic shock. Always clear?</b> Javier Bermejo	Panel : TBD
14.30 – 14.45	<b>TAVI and mechanical support in cardiogenic shock. Synergies and proposals.</b> Giuseppe Tarantini	Lecturers: TBD
14.45 – 15.00	Discussion	
15.00 – 15.45	Lunch break	
Learning objectives:		
To provide knowledge and expert opinion on:		
<ul style="list-style-type: none"><li>• TAVI procedure compared to other alternatives in the context of severe aortic valve dysfunction causing severe congestion or hemodynamic collapse.</li><li>• How to address the challenges of evaluating the severity of valve dysfunction in this context.</li><li>• The utility and method of mechanical support associated with TAVI in the presence or risk of hemodynamic collapse.</li></ul>		

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.

# 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

# SCIENTIFIC PROGRAM

## MAIN ARENA

12.45 – 14.00	SPECIAL SESSION		
12.45 – 13.00	TBD		
		<b>Chairs:</b>	
		TBD	
		<b>Panel:</b>	
		TBD	
	<b>Lectures:</b>		
13.00 – 13.15	TBD		
		<b>Lecturers:</b>	
		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 ELSOR.

# 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)

DEDICATED WORKSHOPS  
NURSES

TRAINING ROOM TENERIFE 2 – Floor 2		
	<b>TAVI</b>	
	<b>TAVI Case study</b>	
16:00 - 17:30	TDB	
	<b>TAVI NURSE</b>	
	TDB	
17:30 - 18:30	<b>Robotics in Hemodynamic Nursing</b>	
	TDB	
18:30 - 19:00	<b>PET thrombectomy. Flowtriever Technique</b>	
	TDB	
	<b>ECMO</b>	
19:00 - 19:45	TDB	
	<b>Terapia CARL</b>	
	TDB	





## ORGANIZATION

### TECHNICAL SECRETARIAT

Andrea Lobo-Guerrero

Fundación para la Innovación en Biomedicina (FIBMED)

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# MADRID ACCIS – 2024

## Acute Cardiac Care, Interventions & Support



22nd – 24th, May 2024

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