



## 3rd WORKSHOP IMAGING IN CONGENITAL HEART DISEASE: LEARNING IN 3D: FOCUS ON TRANSESOPHAGEAL ECHOCARDIOGRAPHY

25th-26th November 2019

Ramón y Cajal University Hospital. Madrid

“Teaching building” (1st floor) – Joaquín Ortuño Auditorium  
and Simulation Room

# 3rd WORKSHOP IMAGING IN CONGENITAL HEART DISEASE: LEARNING IN 3D: FOCUS ON TRANSESOPHAGEAL ECHOCARDIOGRAPHY

## **COURSE DIRECTORS**

**Dr. María Jesús del Cerro Marín**  
**Dr. José Luis Zamorano Gómez**  
**Dr. Pei-Ni Jone**  
**Dr. Ángel Aroca Peinado**  
**Dr. María Álvarez Fuente**  
**Dr. Elvira Garrido-Lestache Rodríguez-Monte**

**Credits by the Continuing Medical Education of Professionals Commission of Madrid Autonomous Region Health Course endorsed by the Spanish Society of Cardiology (SEC) and the Spanish Society of Pediatric Cardiology and Congenital Heart Disease (SECPP).**

## **ORGANIZED BY**

**Pediatric Cardiology and Congenital Heart Disease Department**  
*Ramón y Cajal University Hospital. Madrid*

**Interhospital Alliance for Congenital Heart Disease and  
Pediatric Cardiac Surgery**  
*La Paz-Ramón y Cajal University Hospitals. Madrid*

**Biomedical Research Foundation**  
*Ramón y Cajal University Hospital. Madrid*

**Ramón y Cajal Health Research Institute (IRYCIS)**

**IN COLLABORATION WITH**  
**Echocardiography Laboratory Children's Hospital**  
*Denver, Colorado, USA*

*This activity is approved by the Spanish Foundation of Health Technology Companies (FENIN)*

25th-26th November 2019



Hospital Universitario  
**Ramón y Cajal**

## SCIENTIFIC PROGRAM

**MONDAY, 25th NOVEMBER 2019**

**07:45-08:15 h REGISTRATION**

**08:15-09:20 h CONFERENCES**

(Joaquín Ortuño Auditorium, 1st Floor Teaching Building)

**08:15-08:35 h Basic concepts of Transesophageal Echocardiography: technique, planes**

**Dr. Sandra Villagrà Albert**

Department of Pediatric Cardiology

Ramón y Cajal University Hospital. Madrid

**08:35-09:00 h Basic concepts of 3D Transesophageal Echocardiography**

**Dr. Pei-Ni Jone**

Echo Laboratory

Children's Hospital, Denver, Colorado, USA

**09:00-09:20 h Basic concepts of Strain in Echocardiography of Congenital Heart Diseases**

**Dr. Silvia Escribá Bori**

Department of Pediatrics - Pediatric Cardiology

Son Dureta University Hospital. Palma de Mallorca

**09:20-09:25 h WELCOME AND OPENING REMARKS**

**Dr. Agustín Utrilla**

Chief Medical Officer

Ramón y Cajal University Hospital. Madrid

**Dr. Fernando Roldán**

Deputy Chief Medical Officer

Ramón y Cajal University Hospital. Madrid

# 3rd WORKSHOP IMAGING IN CONGENITAL HEART DISEASE: LEARNING IN 3D: FOCUS ON TRANSESOPHAGEAL ECHOCARDIOGRAPHY

**MONDAY, 25th NOVEMBER 2019**

**Dr. M<sup>a</sup> Jesús del Cerro Marín**

Department of Pediatric Cardiology and Congenital Heart  
Disease

Ramón y Cajal University Hospital. Madrid

**Dr. José Luis Zamorano Gómez**

Department of Cardiology

Ramón y Cajal University Hospital. Madrid

**Dr. Ángel Aroca Peinado**

Interhospital Alliance for Congenital Heart Disease and  
Pediatric Cardiac Surgery

La Paz-Ramón y Cajal University Hospitals. Madrid

**09:25-09:45 h COFFEE BREAK**

**09:45-14:00 h WORKSHOPS**

**WORKSHOP A**

**ECOCARDIOGRAPHY IN CONGENITAL HEART DISEASE**

A.1. 2D TRANSTHORACIC ECOCARDIOGRAPHY AND  
STRAIN IN PATIENTS WITH COMPLEX CONGENITAL HEART  
DISEASE (MUSTARD, EBSTEIN, UNIVENTRICULAR HEART)  
(MAXIMUM 3 STUDENTS PER GROUP)

(Pediatric Cardiology Outpatient Clinic, 2nd Floor Left Part  
and Pediatric & CHD Cathlab, Zero Floor Left Part)

**Dr. Silvia Escribá Bori**

**Dr. Rocío Tamariz Martel**

**Dr. Raquel Prieto Arévalo**

**Dr. Elvira Garrido-Lestache Rodríguez-Monte**

**Dr. Soledad Jiménez Casso**

**25th-26th November 2019**



**Hospital Universitario  
Ramón y Cajal**

**MONDAY, 25th NOVEMBER 2019**

A.2. TRANSESOPHAGEAL ECHOCARDIOGRAPHY  
SIMULATOR  
(Pediatric Cardiology Outpatient Clinic, 2nd Floor Left Part)

**Dr. Sandra Villagrà Albert**  
**Dr. Cristina González Menchen**

A.3. 2D AND 3D TRANSESOPHAGEAL  
ECHOCARDIOGRAPHIES  
(Pediatric & CHD Cathlab, Zero Floor Left Part)

**Dr. Pei-Ni Jone**  
**Dr. Dale Burkett**  
**Dr. María Álvarez Fuente**  
**Dr. Isabel Molina Borao**  
**Dr. María Toledano Navarro**

A.4. POST-PROCESSING OF 3D IMAGE. 3D IMAGE CASES IN  
REAL LIFE

**Dr. Natalia Rivero Jiménez**

**WORKSHOP B**

**"HANDS ON" with 3D models and anatomical pieces.**  
**Learning Congenital Heart Disease ANATOMY, guided by**  
**Cardiac Surgeons and Cardiologists.**  
(Simulation Room. 1st Floor Teaching Building)

**Dr. Inmaculada Sánchez Pérez**  
**Dr. Ana Elvira González**  
**Dr. Israel Valverde Pérez**  
**Dr. Fernando Rueda Núñez**  
**Dr. Tomasa Centella Hernández**  
**Dr. M<sup>a</sup> Jesús Lamas Hernández**  
**Dr. Carmen Jiménez López Guarch**  
**Dr. María Esquivias Asenjo**

# 3rd WORKSHOP IMAGING IN CONGENITAL HEART DISEASE: LEARNING IN 3D: FOCUS ON TRANSESOPHAGEAL ECHOCARDIOGRAPHY

**MONDAY, 25th NOVEMBER 2019**

**Dr. José Luis Zunzunegui Martínez**  
**Dr. Bunty Kishore Ramchandani Ramchandani**  
**Dr. Francisco Castro García**  
**Dr. Luz Polo López**  
**Dr. Raúl Sánchez Pérez**

## **09:45-10:15 h. ANATOMY AND EMBRIOLOGY OF CONGENITAL HEART DISEASE**

(All students from the pieces' Workshop)

**Dr. Henar Rojo Sombrero**

## **10:15-14:00 h. TABLES**

- TGA
- FALLOT
- UNIVENTRICULAR HEART
- SHONE AND COARCTATION
- ISOMERISM
- AV CHANNEL
- EBSTEIN
- 3D MODELS IN PULMONARY VALVULAR IMPLANT PLANNING
- 3D MODELS IN PULMONARY COMPLEX SURGERIES PLANNING
- GUESS THE HEART DISEASE .....

(in each group: 3 students, 2 teachers, 1 laptop and pieces per group). Revision of 3D models, anatomical pieces and images of 2D and 3D ecocardiography, MRI, and CT scan of diverse heart disease: D-TGA (native, switch arterial postsurgical, and switch auricular postsurgical), Tetralogy of Fallot (native and postsurgical), Double outlet right Ventricle (with different septal defect localizations), septal defects, Univentricular Heart native and palliated (Fontan), Criss-Cross Heart, Ebstein disease, Atrioventricular Septal Defects, Shone Complex.....)

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**MONDAY, 25th NOVEMBER 2019**

**09:45-14:00 h LIVE CASE**

**Lymphography MRI – Lymphatic imaging and interventional catheterization in Fontan patient**

During the course images of this intervention will be shown.

**Dr. Yoav Dori**

**Dr. Javier Alarcón Rodríguez**

**14:00-15:00 h LUNCH (provided)**

**15:00-16:40 h CONFERENCES**

(Joaquín Ortuño Auditorium, 1st Floor Teaching Building)

**15:00-15:20 h New horizons in MRI of Congenital Heart diseases**

**Dr. Israel Valverde Pérez**

Cardiac Imaging -Evelina Children's Hospital - London. UK

Department of Pediatric Cardiology

Virgen del Rocío University Hospital. Sevilla

**15:20-15:40 h Cardiac MRI of Congenital Heart diseases: radiologist's vision**

**Dr. Javier Alarcón Rodríguez**

Department of Radiology

Ramón y Cajal University Hospital. Madrid

**15:40-16:00 h Clinical cases of complex heart diseases diagnosed with MRI**

**Dr. Almudena Ureña Vacas**

**Dr. Natalia Rivero Jiménez**

**Dr. Isabel Molina Borao**

**Dr. Miguel Navarro Fernández-Hidalgo**

Department of Pediatric Cardiology and Congenital Heart Disease

Ramón y Cajal University Hospital. Madrid

# 3rd WORKSHOP IMAGING IN CONGENITAL HEART DISEASE: LEARNING IN 3D: FOCUS ON TRANSESOPHAGEAL ECHOCARDIOGRAPHY

**MONDAY, 25th NOVEMBER 2019**

**16:00-16:20 h CT angiography in pulmonary valvular implant planning**

**Dr. Ana García de Vicente**

Department of Radiology  
Ramón y Cajal University Hospital. Madrid

**Dr. María Álvarez Fuente**

Department of Pediatric Cardiology and Congenital Heart  
Disease  
Ramón y Cajal University Hospital. Madrid

**16:20-16:40 h CT angiography in Congenital Heart Diseases**

**Dr. Montserrat Bret Zurita**

Department of Radiology  
La Paz University Hospital. Madrid

**16:40-17:00 h COFFEE BREAK**

**17:00-17:20 h 3D Image in Electrophysiology of Congenital Heart Diseases**

**Dr. Inmaculada Sánchez Pérez**

**Dr. Javier Moreno Planas**

Arrhythmias and Pediatric Electrophysiology Unit, Pediatric  
Cardiology  
Ramón y Cajal University Hospital. Madrid

**17:20-17:40 h 3D TEE in Electrophysiology**

**Dr. Dale Burkett**

Echocardiography laboratory  
Children's Hospital. Denver, Colorado. USA

**17:40-18:30 h JEOPARDY**

**Dr. María Álvarez Fuente**

**Dr. Elvira Garrido-Lestache Rodríguez-Monte**

Department of Pediatric Cardiology and Congenital Heart  
Disease  
Ramón y Cajal University Hospital. Madrid



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TUESDAY, 26th NOVEMBER 2019

**08:00-09:20 h CONFERENCES**

(Joaquín Ortuño Auditorium, 1st Floor Teaching Building)

**08:00-08:20 h 3D ECOCARDIOGRAPHY in percutaneous valve repair. ECOFUSION**

**Dr. Covadonga Fernández-Golfín Lobán**

Cardiac Imaging Unit

Department of Cardiology

Ramón y Cajal University Hospital. Madrid

**08:20-08:50 h 3D Echocardiography in the surgery room and in the CathLab**

**Dr. Pei-ni Jone**

Echocardiography Laboratory

Children's Hospital. Denver, Colorado. USA

**08:50-09:20 h Lymphatic imaging and interventional catheterization in Fontan Patients**

**Dr. Yoav Dori**

Jill and Mark Fishman Center for Lymphatic Disorders and Lymphatic Research

Children's Hospital of Philadelphia, Pennsylvania. USA

**09:20-09:30 h COFFEE BREAK**

**09:30-13:30 h WORKSHOPS**

**WORKSHOP A (REPLAY)**

**ECOCARDIOGRAPHY IN CONGENITAL HEART DISEASE**

A.1. 2D TRANSTHORACIC ECOCARDIOGRAPHY AND STRAIN IN PATIENTS WITH COMPLEX CONGENITAL HEART DISEASE (MUSTARD, EBSTEIN, UNIVENTRICULAR HEART) (MAXIMUM 3 STUDENTS PER GROUP)

(Pediatric Cardiology Outpatient Clinic, 2nd Floor Left Part)

# 3rd WORKSHOP IMAGING IN CONGENITAL HEART DISEASE: LEARNING IN 3D: FOCUS ON TRANSESOPHAGEAL ECHOCARDIOGRAPHY

**TUESDAY, 26th NOVEMBER 2019**

**Dr. Silvia Escribá Bori**  
**Dr. Rocío Tamariz Martel**  
**Dr. Raquel Prieto Arévalo**  
**Dr. Elvira Garrido-Lestache Rodríguez-Monte**  
**Dr. Soledad Jiménez Casso**

A.2. TRANSESOPHAGEAL ECHOCARDIOGRAPHY  
SIMULATOR  
(Pediatric Cardiology Outpatient Clinic, 2nd Floor Left Part)

**Dr. Sandra Villagrà Albert**  
**Dr. Cristina González Menchen**

A.3. 2D AND 3D TRANSESOPHAGEAL  
ECHOCARDIOGRAPHIES  
(Pediatric & CHD Cathlab, Zero Floor Left Part)

**Dr. Pei-Ni Jone**  
**Dr. Dale Burkett**  
**Dr. María Álvarez Fuente**  
**Dr. Isabel Molina Borao**  
**Dr. María Toledano Navarro**

A.4. 3D IMAGE POST-PROCESSING. 3D IMAGE CASES IN  
REAL LIFE

**Dr. Natalia Rivero Jiménez**

**WORKSHOP B (REPLAY)**  
**"HANDS ON" with 3D models and anatomical pieces.**  
**Learning Congenital Heart Disease ANATOMY, guided by**  
**Cardiac Surgeons and Cardiologists.**  
(Simulation Room. 1st Floor Teaching Building)

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**Hospital Universitario  
Ramón y Cajal**

**TUESDAY, 26th NOVEMBER 2019**

**Dr. Inmaculada Sánchez Pérez  
Dr. Ana Elvira González  
Dr. Israel Valverde Pérez  
Dr. Fernando Rueda Núñez  
Dr. Tomasa Centella Hernández  
Dr. M<sup>a</sup> Jesús Lamas Hernández  
Dr. Carmen Jiménez López Guarch  
Dr. María Esquivias Asenjo  
Dr. José Luis Zunzunegui Martínez  
Dr. Bunty Kishore Ramchandani Ramchandani  
Dr. Francisco Castro García  
Dr. Luz Polo López  
Dr. Raúl Sánchez Pérez**

**09:30-10:00 h ANATOMY AND EMBRIOLOGY OF CONGENITAL HEART DISEASE**

(All students from the pieces' Workshop)

**Dr. Henar Rojo Sombrero**

**10:00-13:30 h TABLES**

- TGA
- FALLOT
- UNIVENTRICULAR HEART
- SHONE AND COARCTATION
- ISOMERISM
- AV CHANNEL
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- 3D MODELS IN PULMONARY VALVULAR IMPLANT PLANNING
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- GUESS THE HEART DISEASE .....

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**TUESDAY, 26th NOVEMBER 2019**

(in each group: 3 students, 2 teachers, 1 laptop and pieces per group). Revision of 3D models, anatomical pieces and images of 2D and 3D ecocardiography, MRI, and CT scan of diverse heart disease: D-TGA (native, switch arterial postsurgical, and switch auricular postsurgical), Tetralogy of Fallot (native and postsurgical), Double outlet right Ventricle (with different septal defect localizations), septal defects, Univentricular Heart native and palliated (Fontan), Criss-Cross Heart, Ebstein disease, Atrioventricular Septal Defects, Shone Complex.....)

## **13:30-14:30 h STUDENT IMAGE CONTEST**

**Coordinator: Dr. Isabel Molina Borao**

Department of Pediatric Cardiology and Congenital Heart Disease  
Ramón y Cajal University Hospital. Madrid

## **14:30-15:15 h LUNCH (provided)**

## **15:15-17:15 h CHOOSE YOUR WORKSHOP**

- 2D TRANSTHORACIC ECOCARDIOGRAPHY AND STRAIN IN PATIENTS WITH CONGENITAL HEART DISEASE  
(Pediatric Cardiology Outpatient Clinic, 2nd Floor Left Part)
- TRANSESOPHAGEAL ECHOCARDIOGRAPHY SIMULATOR  
(Pediatric Cardiology Outpatient Clinic, 2nd Floor Left Part)
- 3D TRANSESOPHAGEAL ECHOCARDIOGRAPHIES AND 3D IMAGE POST-PROCESSING  
(Pediatric & CHD Cathlab, Zero Floor Left Part)

## **17:15 h CLOSING CEREMONY AND DELIVERY OF CERTIFICATES**

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### **EDUCATIONAL OBJECTIVES**

- Improve the understanding of Congenital Heart Disease anatomy and pathophysiology with 3D models.
- Optimize the management of 2D & 3D Echocardiography in Congenital Heart Disease.
- Utility of imaging techniques (Echocardiography, MRI, Angio CT angiography) in the resolution of usual clinical problems in the Units of Congenital Heart Disease.
- Utility of imaging techniques in the planning of the Surgery, Percutaneous Interventionism and Electrophysiology in Congenital Heart Disease.

### **METHODOLOGY**

- Theoretical Classes (embriology, CHD anatomy, 2D & 3D Echocardiography, MRI and Angio CT angiography in CHD)
- Workshop of Anatomy with anatomical pieces and 3D models.
- Workshop of 2D & 3D Transthoracic Echocardiography: students perform Echocardiographies in various CHD.
- Workshop of Transesophageal Echocardiography in Congenital Heart Disease.
- Simulator of Transesophageal Echocardiography
- Workshop of imaging for Hemodynamic and Electrophysiology interventionism.
- Image Contest: diagnosis and interpretation of echocardiographic, MRI and CT scan images.
- Clinical Cases presentation.

### **COURSE DIRECTORS**

**Dr. María Jesús del Cerro Marín**

**Dr. Jose Luis Zamorano Gómez**

**Dr. Pei-Ni Jone**

**Dr. Ángel Aroca Peinado**

**Dr. María Álvarez Fuente**

**Dr. Elvira Garrido-Lestache Rodríguez-Monte**

# 3rd WORKSHOP IMAGING IN CONGENITAL HEART DISEASE: LEARNING IN 3D: FOCUS ON TRANSESOPHAGEAL ECHOCARDIOGRAPHY

## TEACHERS

Echocardiography Laboratory  
Children's Hospital. Denver, Colorado, USA

**Dr. Pei-Ni Jone**

**Dr. Dale Burkett**

Department of Pediatric Cardiology and Congenital Heart Disease  
Ramón y Cajal University Hospital. Madrid

**Dr. Elvira Garrido-Lestache Rodríguez-Monte**

**Dr. Rocío Tamariz Martel**

**Dr. Isabel Molina Borao**

**Dr. Inmaculada Sánchez Pérez**

**Dr. María Álvarez Fuente**

**Dr. Sandra Villagrà Albert**

**Dr. Natalia Rivero Jiménez**

**Dr. María Jesús del Cerro Marín**

**Dr. María Esquivias Asenjo**

**Dr. María Toledano Navarro**

Department of Congenital Heart Diseases and Pediatric Cardiac Surgery  
Interhospital Alliance Ramón y Cajal University Hospital - La Paz University  
Hospital. Madrid

**Dr. Angel Aroca Peinado**

**Dr. Luz Polo López**

**Dr. Tomasa Centella Hernández**

**Dr. M<sup>a</sup> Jesús Lamas Hernández**

**Dr. Raúl Sánchez Pérez**

**Dr. Álvaro González Rocafort**

**Dr. Juvenal Rey Lois**

**Dr. Bunty Kishore Ramchandani Ramchandani**

**Dr. Israel Valverde Pérez**

Cardiac Imaging. Evelina Children's Hospital. London

Department of Pediatric Cardiology

Virgen del Rocío University Hospital. Sevilla

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**Dr. Carmen Jiménez López-Guarch**

Unit of Cardiac Imaging. Department of Cardiology  
12 de Octubre University Hospital. Madrid

**Dr. Ana Elvira González**

Unit of Adult Congenital Heart Diseases. Department of Cardiology  
La Paz University Hospital. Madrid

**Dr. Covadonga Hernández-Golfín Lobán**

Unit of Cardiac Imaging. Department of Cardiology  
Ramón y Cajal University Hospital. Madrid

**Dr. Javier Moreno Planas**

Unit of Arrhythmia and Electrophysiology. Department of Cardiology  
Ramón y Cajal University Hospital. Madrid

**Dr. Lucía Deiros Bronte**

Department of Pediatric Cardiology  
La Paz University Hospital. Madrid

**Dr. Henar Rojo Sombrero**

Pediatric Cardiology. Department of Pediatrics  
Príncipe de Asturias University Hospital. Alcalá de Henares, Madrid

**Dr. Cristina González Menchen**

Pediatric Cardiology. Department of Pediatrics  
San Carlos Clinical Hospital. Madrid

**Dr. Fernando Rueda Núñez**

Department of Pediatric Cardiology  
A Coruña University Hospital Complex. A Coruña

**Dr. Soledad Jiménez Casso**

Department of Pediatric Cardiology  
Segovia Hospital. Segovia

**Dr. José Luis Zunzunegui Martínez**

Department of Pediatric Cardiology  
Gregorio Marañón University Hospital. Madrid

# 3rd WORKSHOP IMAGING IN CONGENITAL HEART DISEASE: LEARNING IN 3D: FOCUS ON TRANSESOPHAGEAL ECHOCARDIOGRAPHY

Department of Radiology  
Ramón y Cajal University Hospital. Madrid

**Dr. Javier Alarcón Rodríguez**

**Dr. Ana García de Vicente**

**Dr. Miguel Navarro Fernández-Hidalgo**

**Dr. Almudena Ureña Vacas**

**Dr. Montserrat Bret Zurita**

Department of Radiology  
La Paz University Hospital. Madrid

**Dr. Raquel Prieto Arévalo**

Unit of Congenital Heart Diseases. Department of Cardiology  
Gregorio Marañón University Hospital. Madrid

**Dr. Francisco Castro García**

Unit of Pediatric Cardiology  
Virgen de la Arrixaca Hospital. Murcia

**Dr. Silvia Escribá Bori**

Department of Pediatric Cardiology  
Son Dureta Hospital. Mallorca

**Dr. Yoav Dori**

Jill and Mark Fishman Center for Lymphatic Disorders and Lymphatic Research  
Children's Hospital of Philadelphia, Pennsylvania. USA

## **TARGET AUDIENCE**

- Pediatric Cardiologists
- Adult Cardiologists
- Radiologists
- Anaesthesiologists
- Residents in Pediatric Cardiology, Cardiology, Cardiac Surgery, Radiology, Anaesthesiology



**25th-26th November 2019**



**Hospital Universitario  
Ramón y Cajal**

## **GENERAL INFORMATION**

### **WORKSHOP VENUE**

#### **Teaching Building**

#### **Ramón y Cajal University Hospital**

Ctra. de Colmenar Viejo, km. 9,1. 28034, Madrid

Tel: +34 91 336 80 00

Web: <http://www.madrid.org>

Date: 25th and 26th november 2019

### **ORGANIZED BY**

- \* Pediatric Cardiology and Congenital Heart Disease Department, Ramón y Cajal University Hospital. Madrid
- \* Interhospital Alliance for Congenital Heart Disease and Pediatric Cardiac Surgery. La Paz-Ramón y Cajal University Hospitals. Madrid
- \* Biomedical Research Foundation. Ramón y Cajal University Hospital. Madrid
- \* Ramón y Cajal Health Research Institute (IRYCIS)
- \* Special Collaboration of Echocardiography Laboratory of Children's Hospital. Denver, Colorado, USA

### **TECHNICAL SECRETARIAT:**



#### **S&H Medical Science Congress, S.L.**

C/ Espronceda 27, Entreplanta. 28003 Madrid

Tel: 91 535 71 83 - Fax: 91 535 70 52

**e-mail: [congresos@shmedical.es](mailto:congresos@shmedical.es)**

### **HOTELS AND TRAVELS**

#### **Viajes Yacaré**

C/ Ríos Rosas, 54. 28003 Madrid

Tel: 91 534 08 03 - Fax.: 91 534 81 40

**e-mail: [viajesyacare@e-savia.net](mailto:viajesyacare@e-savia.net)**

#### **Hotel:**

Hotel Villamadrid. Calle Xaudaró, 2. 28034 Madrid

Tel: 912 53 50 00

(700 metres next to Ramón y Cajal University Hospital)

# 3rd WORKSHOP IMAGING IN CONGENITAL HEART DISEASE: LEARNING IN 3D: FOCUS ON TRANSESOPHAGEAL ECHOCARDIOGRAPHY

## **REGISTRATION**

For a better organization, please make sure to register in advance before the Meeting. The registration will be considered formalized once the rights of the same have been satisfied.

## **DOCUMENTATION**

Teaching material will be sent to the students by e-mail before the course. On Monday, 25th November 2019, attendees will receive the documentation from 07:45 h

## **ACREDITATION OF CONTINUING MEDICAL EDUCATION**

The Continuing Medical Education Accreditation of the course titled "3rd WORKSHOP IMAGING IN CONGENITAL HEART DISEASE" has been requested to the corresponding Agency. In order to apply for these credits it is compulsory to attend 100% of the meeting and to fill out the satisfaction survey that will be available at [congresos.shmedical.es](http://congresos.shmedical.es) until January 15th 2020.

**IMPORTANT:** According to the regulation of Continuing Medical Education Accreditation System, the continuing education activities are aimed at professionals who have completed their MIR training as specialists. Therefore, residents may not be suitable for continuing education credits, but they will receive their certificate of attendance.

## **IDENTIFICATION**

Each person registered in the Course will have an individual and non-transferable identification card. Please make sure you have this ID card visible all the time.

## **CERTIFICATES OF ATTENDANCE AND OFFICIAL CREDITS**

The certificate of attendance can be obtained through [congresos.shmedical.es](http://congresos.shmedical.es), within the "Access to the personal area" section, from Monday December 2nd 2019.

The certificate of Official Credits will be delivered once accreditation is granted.

## **WORKING LUNCH**

Lunch will be on Monday 26th and Tuesday 27th November, at the Workshop Venue. It is essential to show the ID card.

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### **PARTICIPATION IN IMAGE CONTEST**

Students interested in participating will send their clinical case to Dr. Isabel Molina Borao: **imborao@hotmail.com**.

The two winners (after the presentation of all clinical cases on 26th November) will receive a tablet.

### **REGISTRATION**

#### **LIMITED PLACES: maximum number of registrations 50 students**

You may register to the Workshop by two different ways:

1. Through the following websites: **www.secpcc.org - www.shmedical.es** in the registration section. Once you register to the Workshop via website, you have to send by email to **congresos@shmedical.es** the copy of bank transfer.
2. By mail to **congresos@shmedical.es**, sending the registration form attached to the copy of bank transfer.

If you register to the Workshop via website, you will automatically appear as pre-registered. In order to validate the registration, do not forget to print the registration form and send it by mail to Technical Secretariat with the check or copy of the receipt of the bank transfer.

We recommend making the registration through one of the above mentioned websites as it facilitates information management.

The Registration includes the following services:

- Official documentation and teaching material sent before the course.
- Participation in Scientific Sessions and Workshops of the program.
- Certificate of Attendance and Official Credits.
- Work Lunches and Coffee Breaks.

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## **METHODS OF PAYMENT**

By Nominal Check to **S&H Medical Science Congress, S.L.**

By bank transfer to account number: ES75 0182-0190-84-0201557716

You must send this registration form with the copy of the bank transfer to:

**Technical Secretariat: S&H Medical Science Congress, S.L.**

C/ Espronceda 27, Entreplanta. 28003 Madrid

Tel: 91 535 71 83 - Fax: 91 53 70 52

**REMEMBER:** We recommend making the registration via Website.

**NOTE:** Access to the Course is not allowed without prior payment of the registration fee.

According to the Regulation (EU) 2016/679 of 27 April 2016 (GDPR), we inform you that the personal information and email address, obtained from the data subject or of public sources, will be part of a file of S&H MEDICAL SCIENCE CONGRESS, S.L., with the finality of it send communications about our products and services and will be preserved while there is mutual interest to do so. The data will not be communicated to third parties, except for legal obligation. If you wish, you may exercise your rights of access, rectification, portability and delete data and limitation and opposition to their treatment by contacting the address CALLE ESPRONCEDA, ENTREPLANTA, 27 28003 MADRID or by sending an email to sh@shmedical.es. If you consider that the treatment does not comply with current regulations, you can submit a claim to the control authority at [www.agpd.es](http://www.agpd.es).

**25th-26th November 2019**



**Hospital Universitario  
Ramón y Cajal**

**NOTES**

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# 3rd WORKSHOP IMAGING IN CONGENITAL HEART DISEASE: LEARNING IN 3D: FOCUS ON TRANSESOPHAGEAL ECHOCARDIOGRAPHY

## NOTES

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## REGISTRATION FORM

### 3rd WORKSHOP IMAGING IN CONGENITAL HEART DISEASE

Name \*: .....

Surname \*: .....

ID/passport number \*: .....

Hospital \*: .....

Department \*: .....

Home Address \*: .....

City\*:..... ZipCode\*:

Telephone / Mobile phone: .....

E-mail\*: .....

Medical Speciality\*: .....

Current position (resident/specialist)\*: .....

Select your preferences for Ecocardiography Workshops that take place on Tuesday 26th from 15:15h to 17:15h:

- PRACTICES OF 2D TRANSTHORACIC ECHOCARDIOGRAPHY AND STRAIN IN PATIENTS WITH CHD
- PRACTICES WITH TRANSESOPHAGEAL ECHOCARDIOGRAPHY SIMULATOR
- PRACTICES OF 3D TRANSESOPHAGEAL ECHOCARDIOGRAPHIES AND POST-PROCESSING OF 3D IMAGE

All information with (\*) is necessary for the registration. If any data with (\*) is missing, the registration cannot be validated. Should you need a confirmation of registration, please indicate your email.

### REGISTRATION FEE

	Before 1st October	After 1st October
• Residents	85,00 € + 21% VAT	95,00 € + 21% VAT
• Specialists	225,00 € + 21% VAT	279,00 € + 21% VAT

Bank Transfer to: **ES75 0182-0190-84-0201557716**  
Technical Secretariat: S&H Medical Science Congress



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