

**XII ECHOCARDIOGRAPHY COURSE FOR EMERGENCY MEDICINE, INTENSIVE CARE,  
OPERATING ROOMS AND RESUSCITATION**

ECHOCARDIOGRAPHY LABORATORY OF CARDIOLOGY SERVICE

IN COLLABORATION WITH SERVICES INTENSIVE CARE SERVICE, CARDIAC SURGERY  
SERVICE AND ANESTHESIA SERVICE

Barcelona, 8-11 February 2016

Auditorium. 10 th Floor 10, General Hospital

Registration: Ms. Rosalia.. Department of Cardiology. Paseo Vall d'Hebron 119-129

Tel. 932746134. rcoronad@vhebron.net

Registration fees:

Basic Echocardiography Course € 350

Advanced Course Days (Intensive Care, Resuscitation, Emergency Medicine and  
Operating Room) € 250

Both € 500

Members SEMICYUC, SEDAR, SEMES, SOCMUE, SCARDT and ESICM, discount 100 €

**Practice:**

Trainees will practice an hour and a half transthoracic echocardiography acquisition and management of planes in groups of four participants.

**Simulator:**

ETE training simulator. It is a complementary and optional in the course, customized practical training sessions will be conducted with simulator ETE. These sessions will last one hour and with groups of 4 people.

Those interested can choose the schedule in order of registration:

Monday-8: 16h, 17h, 18h

Tue-9: 4:30 p.m.; 17,30h; 6:30 p.m.

Wed-10: 4:30 p.m.; 17,30h; 6:30 p.m.

Thursday-11: 14h; 15h

The cost of this activity is not included in the course: € 100

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y Emergencias



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## **MONDAY 8TH BASIC ECHOCARDIOGRAPHY**

**9.00 to 9.15** Course Inauguration

### **BASIC PRINCIPLES**

**09.15 to 10.00** Bases of echocardiography and echocardiography anatomy

Dr A. Evangelista

**10.00 to 10.30** Echo- Doppler (PW, CW, M-Mode, TD)

Dr A. Evangelista

**10.30- 11.15** Seminar of cardiac anatomy and flow

G. Maldonado, F. Valente

**11.15 to 11.30** Coffee

### **VENTRICULAR FUNCTION**

**11.30 to 12.15** Systolic left and right ventricular function

Dr A. Evangelista

**12.15 to 13.00** Diastolic function and basic hemodynamic parameters

Dr J. Rodríguez-Palomares

**13.00 to 13.45** Dimension Seminar and Heart function

L. Gutierrez, A. Fernandez

**13.45 to 14.45** Food

### **WORKSHOPS AND PRACTICES**

**14.45 to 15.15** Echocardiograph Optimization

Dra L. Gutierrez

**15.15 to 17.00** Workshop: Dimensions and quantification of cardiac function

L. Galian, A. Fernandez, F. Valente

**17.00 to 18.30** Practices with conventional equipment

**17.00 to 18.30** V-scan Practices

**17.00-18.30** Simulator TEE Practices

## **TUESDAY 9TH: BASIC ECHOCARDIOGRAPHY**

### **VALVULAR EXAM**

**09.00 to 10.00** Mitral valve disease

Dra M.T. Gonzalez-Alujas

**10.00 to 11.00** Aortic Valve disease

Dra L. Galián

**11.00 to 11.15** Tricuspid valve disease

Dra L. Gutierrez

**11.15 to 11.30** Coffee

**11.30 to 12.15** Practical workshop of valvular examination

L. Gutierrez, L. Galián, M. Gutiérrez

## **ISCHEMIC HEART DISEASE AND CARDIOMYOPATHY**

**12.15 to 13.00** Ischemic heart disease

Dra M.T. Gonzalez-Alujas

**13.00 to 13.45** Cardiomyopathies

Dra L. Gutierrez

**13.45 to 14.30** Food

## **PERICARDIUM AND AORTA**

**14.30 to 15.00** Pathology of the pericardium

Dr J. Rodriguez Palomares

**15.00 to 15.30** Aortic pathology

Dr A. Evangelista

**15.30 to 17.00 Workshop:** Ischemic heart disease, cardiomyopathies and pericardium

A. Fernandez, B. Agliano, S. Munive

**17.00 to 18.30 Practices:** with conventional equipment

**17.00 to 18.30** V-scan Practices

**17.00 to 18.30** Simulator TEE Practices

## **WEDNESDAY 10TH. ADVANCED ECHOCARDIOGRAPHY IN INTENSIVE MEDICINE**

**ADVANCED ECHOCARDIOGRAPHY IN INTENSIVE CARE** (EDEC European Diploma in Echocardiography at the ESICM) Moderators: A. Evangelista, F. Clau

**09.00 to 09.45** Doppler and cardiac hemodynamics

Dra L. Gutierrez

**09.45 to 10.30** Transesophageal echocardiography in the ICU

Dr F Clau Terre

**10.30 to 11.15** Fundamentals of lung ultrasound

Dra L. Pérez-Rodríguez

**11.15 to 11.45** Coffee

## **ECHOCARDIOGRAPHY IN CRITICAL SITUATIONS**

Moderator: A. Sambola, L. Pérez-Rodríguez

**11.45 to 12.15** Echo in shock scenarios

Dra P. Pérez-Terán

**12.15 to 12.45** Endocarditis

Dra T. Gonzalez-Alujas

**12.45 to 13.15** Prosthetic dysfunction

Dr J. Rodríguez-Palomares

**13.15 to 13.45** Discussion of practical cases

L.Gutierrez, L. Galián, P. Perez Teran

**13.45 to 14.30** Food

## **ECHOCARDIOGRAPHY IN ACUTE CHEST PAIN**

Moderator: J. Rodríguez-Palomares, L. Gutierrez

**14.30 to 15.00** Myocardial infarction

Dra T. M. Gonzalez Alujas

**15.00 to 15.30** Acute Aortic Syndrome

Dr A. Evangelista

**15.30 to 18.30** Practices with conventional equipment

**15.30 to 18.30** Simulator TEE Practices

**15.30 to 18.30** Lung Ultrasound Seminar



## **THURSDAY 11TH. ULTRASOUND IN INTENSIVE MEDICINE**

### **ECHOCARDIOGRAPHY IN THE HEMODYNAMIC INSTABILITY**

Moderators: J. Serra, A. Evangelista

**9.00 to 9.30** Volume status parameters with echocardiography in critically ill

Dr F Clau Terre

**9.30 to 10.00** Right ventricle and respiratory parameters

Dra A. Ochagavia

**10.00 to 10.30:** Role of ultrasound in weaning process

Dr Zapata

**10.30 to 11.15** Thoracic ultrasound and acute respiratory failure

Dra P. Pérez-Terán

**11.15 to 11.45** Coffee

### **ECHOCARDIOGRAPHY IN THE OPERATING ROOM**

**11.45 to 12.15** Intraoperative echocardiography. The 5 key issues

G Fita

**12.15 to 13.00** Mitral Valve Repair. Moderators: R. Rodriguez, A. Gonzalez

Selection of cases and intraoperative assessment

Dra M.T. Gonzalez-Alujas

Viewpoint of the surgeon

Dr A.Igual

### **ECHOCARDIOGRAPHY IN POSTOPERATIVE MANAGEMENT**

Moderators: A. Torrents, M. Carrasco

**13.00 to 13.45** Fundamentals in postoperative complication in Cardiac Surgery

Dra I.Rovira

**13.45 to 14.30** Food

**14.30 - 16.00** Practice with conventional equipment

**14.30 - 16.00** Practice TEE simulator

**14.30 - 16.00** Seminar lung ultrasound