

# 4th INTERNATIONAL SYMPOSIUM MECHANICAL CIRCULATORY SUPPORT

for the treatment of acute and chronic advanced heart failure

February 23rd and 24th of 2012

Hospital Universitari de Bellvitge.  
L'Hospitalet de Llobregat, Barcelona. Spain

## SPONSORED BY:



● SOCIEDAD ESPAÑOLA DE CIRUGÍA  
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DR. M. PUIG MASSANA

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# Greeting

After the success and good acceptance of the previous course, we have organized the fourth edition of the "International Course on Mechanical Circulatory Support" with great enthusiasm and while we have introduced novelties we have aimed to keep the same spirit of previous editions.

The basic objective of the course is to disseminate and exchange the latest and most advanced knowledge on the indications, management and results of mechanical circulatory support systems, with special emphasis on long-term devices, whose use is particularly less developed in our country.

To attain these objectives we will count with the participation of some of the most prestigious national and international experts.

The course is not only for cardiac surgeons and cardiologists, but also for anaesthesiologists, intensivists, registered nurses and other professionals involved or interested in the management of patients who require this type of support.

As usual we will have the support of related Working Groups of the Spanish Societies of Thoracic-Cardiovascular Surgery, the Spanish Society of Cardiology and Catalan Society for Cardiac Surgery.

The course offers continuing medical education and accreditation.

We hope you can participate in the course and visit Barcelona.

Drs. C. Fontanillas  
A. Miralles

Department of Cardiac Surgery

Drs. N. Manito  
J. González Costello

Department of Cardiology

# Faculty

L. ALMENAR	H.U. LA FÉ	Valencia
A. ARIZA	H.U. BELLVITGE	Barcelona
J. BALCELLS	H.U. Infantil VALL D'HEBRON	Barcelona
E. BARGE	H.U. JUAN CANALEJO	A Coruña
P. BRANECKY	BERLIN	Berlín
J. CABO	H.U. LA PAZ	Madrid
J. F. CAÑIZO	H.U. GREGORIO MARAÑÓN	Madrid
R. CARTAÑÁ	H.U. CLÍNIC	Barcelona
M. A. CASTEL	H.U. CLÍNIC	Barcelona
E. CASTELLS	H.U. BELLVITGE	Barcelona
A. CEQUIER	H.U. BELLVITGE	Barcelona
E. M. DELMO WALTER	DEUTSCHES HERZZENTRUM BERLIN	Berlín
M. FLANNERY	COLUMBIA PRESBYTERIAN HOSPITAL	New York
C. FONTANILLAS	H.U. BELLVITGE	Barcelona
M. P. FUSET	H.U. LA FÉ	Valencia
M. D. GARCÍA COSÍO	H.U. PUERTA DE HIERRO	Madrid
L. GARCÍA GUERETA	H.U. LA PAZ	Madrid
J. A. GÓMEZ HOSPITAL	H.U. BELLVITGE	Barcelona
J. GONZÁLEZ COSTELLO	H.U. BELLVITGE	Barcelona
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P. LEPRINCE	H.U. LA PITIÉ	París
J. C. LLOSA	H.U. ASTURIAS	Oviedo
N. MANITO	H.U. BELLVITGE	Barcelona
A. MIRALLES	H.U. BELLVITGE	Barcelona
M. MORSHUIS	HERZZENTRUM N-R-W	Oeyenhausen
Y. NAKA	COLUMBIA PRESBYTERIAN HOSPITAL	New York
D. ORTIZ	H.U. BELLVITGE	Barcelona
J. M. PADRÓ	H.U. SANT PAU	Barcelona
E. PÉREZ DE LA SOTA	H.U. 12 DE OCTUBRE	Madrid
E. POTAPOV	DEUTSCHES HERZZENTRUM BERLIN	Berlín
L. PULPÓN	H.U. PUERTA DE HIERRO	Madrid
G. RÁBAGO	C.U. NAVARRA	Pamplona
M. J. RUIZ CANO	H.U. 12 DE OCTUBRE	Madrid
A. SARRALDE	H.U. VALDECILLA	Santander
F. SBRAGA	H.U. BELLVITGE	Barcelona
C. SCHMID	U.H. REGENSBURG	Regensburg
F. WAGNER	H.U. HAMBURG	Hamburgo

# Preliminary scientific program

THURSDAY 23<sup>rd</sup> OF FEBRUARY 2012

## 16:00 - 17:30 h **CARDIOGENIC SHOCK: SHORT-TERM VENTRICULAR ASSIST DEVICES.**

*Moderators:*

*Luis Almenar (H.U.La Fé, Valencia)*

*Ramón Cartaña (H.U.Clinic, Barcelona)*

16:00 h Incidence of cardiogenic shock in Spain: How many patients could benefit from a short-term VAD?

*Eduardo Barge (H.U. Juan Canalejo, La Coruña)*

16:15 h When is a short-term VAD indicated and what type: Single or biventricular support?

*María José Ruiz Cano (H.U.12 de Octubre, Madrid)*

16:30 h ECMO: Usefulness for rescuing patients in cardiogenic shock.

*M<sup>a</sup> Paz Fuset (H.U.La Fé, Valencia)*

16:45 h Levitronix: Implant technique and results.

*Aurelio Sarralde (H.U.Marqués de Valdecilla, Santander)*

17:00 h Abiomed BVS: Implant technique and results.

*Daniel Ortiz.(H.U.Bellvitge, Barcelona)*

17:15 h Discussion and questions.

## 17:30-17:45 h **Coffee break.**

## 17:45-18:45 h **CHRONIC HEART FAILURE: WHEN SHOULD WE IMPLANT A LONG-TERM LEFT VENTRICULAR ASSIST DEVICE?**

*Moderators:*

*Juan Carlos Llosa (H.U.Asturias)*

*Nicolás Manito (H.U.Bellvitge, Barcelona)*

17:45 h Selection of patients and timing for implant of a long-term LVAD.

*José González Costello (H.U.Bellvitge, Barcelona)*

18:00 h Bridge to cardiac transplant in Spain.

*Josep M<sup>a</sup> Padró (H.U.Sant Pau, Barcelona)*

18:15 h Destination therapy in Spain.

*Luis Pulpón (H.U.Puerta de Hierro, Madrid)*

18:30 h Discussion and debate: Why don't we implant more long-term VADs in Spain.

## 18:45 h **PRESENTATION OF THE VAD REGISTRY FROM THE SPANISH SOCIETY OF THORACIC AND CARDIOVASCULAR SURGERY.**

*Enrique Pérez de la Sota (H.U.12 Octubre, Madrid)*

## 19:30 h **MEETING OF THE VAD WORKING GROUP.**

# Preliminary scientific program

## FRIDAY 24<sup>th</sup> OF FEBRUARY 2012

### **08:20-09:40 h SHORT-TERM VENTRICULAR ASSIST DEVICES IN CARDIOGENIC SHOCK.**

*Moderators:*

*Albert Ariza (H.U.Bellvitge, Barcelona)*

*Gregorio Rábago (C.U.Navarra, Pamplona)*

08:20 h Management in the Cardiac Catheterization Lab: ¿Intraortic balloon pump, Impella 2.5 or Tandem Heart?

*Joan Antoni Gómez Hospital (H.U.Bellvitge, Barcelona)*

08:40 h I need more cardiac output: ¿Levitronix, ECMO or Impella 5.0?

*Florian Wagner (H.U.Hamburg, Hamburgo)*

09:00 h Medical Management of short-term VADs in the Intensive Cardiac Care Unit.

*Ulrich P.Jorde (Columbia P.H., New York)*

09:20 h Questions and discussion.

### **09:40-10:40 h MEDIUM AND LONG-TERM BIVENTRICULAR ASSIST DEVICES.**

*Moderators:*

*Eduard Castells (H.U.Bellvitge, Barcelona)*

*José González Costello (H.U.Bellvitge, Barcelona)*

09:40 h Indications and results. Biventricular mechanical support.

*María Dolores García Cosío (H.U. Puerta de Hierro, Madrid)*

10:00 h Indications and results of the total artificial heart.

*Pascal Leprince (H.U.La Pitié, París)*

10:20 h Questions and discussion.

### **10:40-11:10 h Coffee break. Visit to the commercial exhibition and posters.**

### **11:10-11:30 h WELCOME ADDRESS.**

*Xavier Corbella (Chief Medical Administrator, H.U.Bellvitge, Barcelona)*

*Angel Cequier (Head of Cardiology, H.U.Bellvitge, Barcelona)*

*Carles Fontanillas (Head of Cardiac Surgery, H.U.Bellvitge, Barcelona)*

*Albert Salazar (Medical Director, H.U.Bellvitge, Barcelona)*

# Preliminary scientific program

## FRIDAY 24<sup>th</sup> OF FEBRUARY 2012

### **11:30-13:30 h LONG-TERM VENTRICULAR ASSIST DEVICES IN CHRONIC HEART FAILURE.**

*Moderators:*

*M<sup>a</sup>Angels Castel (H.U.Clínica, Barcelona)*

*Albert Miralles (H.U.Bellvitge, Barcelona)*

11:30 h Indications and results of LVADs in 2012.

*Michael Morshuis (Herzzentrum NRW, Bad Oeyenhausen)*

11:50 h Evaluation and Management of the right ventricle before and after implant of an LVAD.

*Evgenij Potapov (Deutsches Herzzentrum, Berlin)*

12:10 h Additional surgeries at the time of implant: Correction of the tricuspid and aortic valve.

*Yoshifumi Naka (Columbia P.H., New York)*

12:30 h Post-operative management and anticoagulation treatment after LVAD implant.

*Christof Schmid (University Hospital, Regensburg)*

12:50 h Recovery of ventricular function after an LVAD.

*Pascal Leprince (H.U.La Pitié, Paris)*

13:10 h Questions and discussion.

### **13:30-14:30 h Lunch. Visit to the commercial exhibition and posters.**

### **14:30-16:10 h WHAT DO I NEED TO KNOW IN ORDER TO BUILD A SUCCESSFUL LVAD PROGRAM?**

*Moderators:*

*José González Costello (H.U.Bellvitge, Barcelona)*

*Enrique Pérez de la Sota (H.U.12 Octubre, Madrid)*

14:30 h Different pathophysiology of the patient with an LVAD.

*Ulrich P.Jorde (Columbia P.H., New York)*

14:50 h Organization of a multidisciplinary team for the management of LVAD patients.

*Michael Morshuis (Herzzentrum NRW, Bad Oeyenhausen)*

# Preliminary scientific program

## FRIDAY 24<sup>th</sup> OF FEBRUARY 2012

15:10 h The nurse's role in the management of LVAD patients: From implant to the outpatient setting.

*Margaret Flannery (Columbia P.H., New York)*

15:30 h Cost-effectiveness: How do I convince my hospital administrator?

*Javier Cabo (H.U.La Paz, Madrid)*

15:50 h Questions and discussion.

**16:10-16:30 h Coffee break. Visit to the commercial exhibition and posters.**

**16:30-17:30 h VENTRICULAR ASSIST DEVICES IN PEDIATRICS.**

*Moderators:*

*Ferrán Gran (H.U.Vall d'Hebron, Barcelona)*

*Luis García Guereta (H.U. La Paz, Madrid)*

16:30 h ECMO as a bridge to recovery or to cardiac trasplant.

*Joan Balcells (H.U.Vall d'Hebron, Barcelona)*

16:50 h VADs in pediatric patients. Options and results.

*Eva M<sup>a</sup> Delmo Walter (Deutsches Herzzentrum, Berlin)*

17:10 h Questions and discussion.

**17:30-18:45 h UPDATE ON DEVICES FOR MECHANICAL SUPPORT.**

*Moderators:*

*Juan Cañizo (H.U. G. Marañón, Madrid)*

*Fabrizio Sbraga (H.U.Bellvitge, Barcelona)*

- BerlinHeart. *Marc Antoine Pérez*
- HeartMate/Levitronix. *René Tessmann*
- HeartWare. *Peter Branecky*
- Maquet. *Claudia Otto*
- Sorin. *Christian Hofstetter*
- Abiomed. *Johnny Vlerick*

**18:45-18:55 h CLOSURE.**

*Carles Fontanillas*

*Nicolás Manito*

# General Information

**DATES:** 23rd and 24th February 2012

**VENUE:** Main Hall of the "HOSPITAL UNIVERSITARI DE BELLVITGE"  
Feixa Llarga, s/n - 08907 L'Hospitalet de Llobregat. Barcelona. Spain

## REGISTRATION AND ACCOMMODATION:

TECHNICAL SECRETARY:

**ACTOserveis**

ACTOSERVEIS

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### REGISTRATION FEES:

	Before course	During the Course
Physician	250 €	300 €
Fellow/Resident/Nurse/Technician	150 €	200 €

**REGISTRATION INCLUDES:** Documentation, working lunch, coffee-breaks and certificate of attendance.

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