



# 3rd INTERNATIONAL SYMPOSIUM

# MECHANICAL CIRCULATORY SUPPORT

for the treatment of acute and chronic advanced heart failure

February 25th and 26th, 2010

Hospital Universitari de Bellvitge  
L'Hospitalet de Llobregat (Barcelona)

#### SPONSORED BY:



• SOCIEDAD ESPAÑOLA DE CIRUGÍA  
TORÁCICA-CARDIOVASCULAR



• SECCIÓN DE INSUFICIENCIA CARDÍACA  
Y TRASPLANTE CARDÍACO



• SOCIETAT CATALANA DE CIRURGIA  
CARDÍACA



• SOCIETAT CATALANA DE CARDIOLOGIA



• SOCIETAT CATALANA D'ANESTESIOLOGIA,  
REANIMACIÓ I TERAPÈUTICA DEL DOLOR



• ASOCIACIÓN CARDÍACA  
DR. M. PUIG MASSANA



Generalitat de Catalunya  
Departament de Salut

Institut Català  
de la Salut

# Welcome Message

After the success of the second course, we had already announced its continuity that now we have made concrete.

The mechanical circulatory support can replace the pump function of the heart, the organ theoretically easier to replace by a mechanical one, in a total or partial and definitive or temporary way. At the present time, the possibilities are several, thanks to the huge technological and clinical advances of the last years. Now there are a great number of patients that can be saved with mechanical support and, given the incidence of terminal heart failure, we think that in the near future the number will be increased considerably. This will be one of the most frequent cardiac operations.

This course is designed for the diffusion and interchange of the most advanced, excellent and recent knowledge on the indications, methods, management and results of those techniques. We will have the participation of the most prestigious national and international experts.

It is addressed, not only to cardiac surgeons, but also to cardiologists, basic in its indications, as well as to anaesthetists, intensive care unit specialists and nurses who are involved in the treatment of heart failure.

We account with the support of the Working Groups of the Spanish Societies of Thoracic and Cardiovascular Surgery, of Cardiology and the Catalan Society of Cardiac Surgery. Also it will be credited for the continued medical education. Poster presentation will be possible.

We hope that the program development will fulfil your expectations totally.

Drs. E. Castells  
C. Fontanillas  
A. Miralles

Department of Cardiac Surgery

Drs. E. Esplugas  
A. Cequier  
N. Manito

Department of Cardiology

# Faculty

L. ALMENAR	H.U. LA FE. Valencia
J. BALCELLS	H.U. Infantil VALL HEBRÓN. Barcelona
J.F. CAÑIZO	H.U. GREGORIO MARAÑÓN. Madrid
R. CARTAÑÁ	H.U. CLÍNIC. Barcelona
E. CASTELLS	H.U. BELLVITGE. Barcelona
A. CEQUIER	H.U. BELLVITGE. Barcelona
A.E. ENGSTROM	AMSTERDAM MEDICAL CENTER. Amsterdam
C. FONTANILLAS	H.U. BELLVITGE. Barcelona
M.P. FUSET	H.U. LA FE. Valencia
J.A. GÓMEZ-HOSPITAL	H.U. BELLVITGE. Barcelona
A. GONÇALVES	H.U. Infantil VALL HEBRÓN. Barcelona
J. GONZALEZ	H.U. BELLVITGE. Barcelona
A. GONZALEZ PINTO	H.U. GREGORIO MARAÑÓN. Madrid
J. GRANADOS	H.U. BELLVITGE. Barcelona
J. GUMMERT	HERZZENTRUM N-R-W. Bad Oeyenhausen
M. HUEBLER	HERZZENTRUM BERLIN. Berlín
U.P. JORDE	COLUMBIA PRESBYTERIAN HOSPITAL. New York
A. KHAGHANI	RB&HAREFIELD HOSPITAL. London
T. KRABATSCH	HERZZENTRUM BERLIN. Berlín
N. MANITO	H.U. BELLVITGE. Barcelona
A. MIRALLES	H.U. BELLVITGE. Barcelona
I. MORENO	H.U. LA FE. Valencia
J. MUELLER	Berlín
D. ORTIZ	H.U. BELLVITGE. Barcelona
J.M. PADRÒ	H.U. SANT PAU. Barcelona
A. PAVIE	H.U. LA PITIÉ. Paris
E. PÉREZ DE LA SOTA	H.U. 12 DE OCTUBRE. Madrid
L.A. PULPÓN	H.U. PUERTA DE HIERRO. Madrid
G. RÁBAGO	C.U. NAVARRA. Pamplona
D. RAESS	ABIOMED DANVERS. USA
C. SCHMID	U.H. REGENSBURG. Regensburg
J. SUAREZ DE LEZO	H.U. REINA SOFIA. Córdoba
R. TANDLER	H.U. ERLANGEN. Erlangen
S. TORREGROSA	H.U. LA FE. Valencia
F. VILLAGRÁ	H.U. Infantil LA PAZ. Madrid
F. WAGNER	H.U. HAMBURG. Hamburg

# Scientific program

## THURSDAY 25th FEBRUARY 2010

### **15:00 - 16:30 h PRACTICAL ASPECTS: TECHNIQUES OF IMPLANTATION AND MANAGEMENT**

*Moderators: Drs. J. Granados and J.Mª Padró*

- 15:00 h Impella percutaneous  
*Dr J. Gómez Hospital (H.U. Bellvitge-Barcelona)*
- 15:10 h Levitronics  
*Dr R. Cartañá (H.U. Clínic-Barcelona)*
- 15:20 h Thoratec  
*Dr G. Rábago (C.U. Navarra-Pamplona)*
- 15:30 h Abiomed BVS y 5000  
*Dr A. Gonzalez Pinto (H.U. Gregorio Marañon-Madrid)*
- 15:50 h Excor  
*Dr A. Gonçalves (H. Inf. Vall Hebrón-Barcelona)*
- 16:00 h Incor. Implant and explant  
*Dr D. Ortiz (H.U. Bellvitge-Barcelona)*
- 16:10 h Comments and discussion

### **16:30 - 17:00 h Coffee-break, commercial exhibit and posters**

### **17:00 - 19:00 h SCIENTIFIC SESSION OF THE WORKING GROUP ON CIRCULATORY MECHANICAL SUPPORT - "SOCIEDAD ESPAÑOLA DE CIRUGÍA TORÁCICA-CARDIOVASCULAR"**

*Moderators: Drs. E. Pérez de la Sota and A. Miralles*

- 17:00 h ECMO: Techniques and Results  
*Dr S. Torregrosa (H.U. La Fe-Valencia)*
- 17:20 h ECMO: Shock postcardiotomy and bridge to recovery
  - Postcardiotomy *Dr I. Moreno (Reanimation H.U. La Fe-Valencia)*
  - Ventricular recovery *Dr Mª Paz Fuset (UVI H.U. La Fe-Valencia)*
- 17:40 h Uni/Biventricular Assistance: Indications and management  
*Dr A. Miralles (H.U. Bellvitge-Barcelona)*
- 17:55 h Risk scores for indication of ventricular assistance  
*Dr E. Pérez de la Sota (H.U. 12 de Octubre-Madrid)*
- 18:10 h Registry of VAD from the SECTCV  
*Dr E. Pérez de la Sota (Coordinator Working Group)*
- 18:25 h Discussion

### **19:00 - 19:30 h ASSEMBLY FROM THE WORKING GROUP**

# Scientific program

## FRIDAY 26th FEBRUARY 2010

- 8:30 - 9:50 h MECHANICAL CIRCULATORY SUPPORT IN THE CAT-LAB AND CARDIOLOGY**  
*Moderators: Dr A. Cequier (H.U. Bellvitge) and Dr L. Almenar (H.U. La Fe)*
- 8:30 h Experience in the cardiology cath-lab. Percutaneous cardiopulmonar support.  
*Dr J. Suárez de Lezo (H.U. Reina Sofía-Córdoba)*
- 8:50 h Percutaneous Impella and new possibilities  
*Dr J.A. Gómez-Hospital (H.U. Bellvitge-Barcelona)*
- 9:10 h Experience in the cath- lab and cardiology  
*A.E. Engstrom (Amsterdam)*
- 9:30 h Comments and discussion
- 9:50 - 10:00 h WELCOME ADDRESS**  
*Dr X. Corbella (Gerente H.U. Bellvitge) and Dr E. Castells (S. Cirugía Cardíaca. H.U. Bellvitge)*
- 10:00 - 11:00 h ECMO AND VENTRICULAR SUPPORT IN CHILDREN**  
*Moderators: Dr J. Balcells (H.U. Inf. Vall d'Hebrón) and Dr J. Villagrà (H.U. Inf. La Paz)*
- 10:00 h ECMO in recovery, as transportation and as a bridge to heart transplantation  
*Dr C. Schmid (University Hospital Regensburg)*
- 10:20 h Pulsatile pumps in children. Experience with the Excor. Future improvements  
*Dr M. Hübler (Deutsches Herzzentrum Berlin)*
- 10:40 h Comments and discussion
- 11:00 - 11:30 h Coffee-break, commercial exhibit and posters**
- 11:30 - 13:30 h SHORT AND INTERMEDIUM TERM CIRCULATORY SUPPORT**  
*Moderators: Dr L.A. Pulpón (H.U. Puerta de Hierro) and Dr A. Miralles (H.U. Bellvitge)*
- 11:30 h Indications and results of the short-term mechanical circulatory support and as a bridge to heart transplantation. The experience of the Columbia Presbyterian Hospital  
*Dr U.P. Jorde (Columbia Presbyterian H. New York)*
- 11:50 h Experience in short and mid-term circulatory support and in recovery of the myocardial infarction  
*Dr F. Wagner (University Hospital Hamburg)*
- 12:10 h Uni and biventricular support for bridge to bridge and bridge to heart transplantation  
*Dr T. Krabatsch (Deutsches Herzzentrum Berlin)*

# Scientific program

## FRIDAY 26th FEBRUARY 2010

- 12:30 h Short-Term mechanical circulatory support with centrifugal pump and the Harefield's recovery program  
*Dr A. Khaghani (Harefield Hospital. London)*
- 12:50 h Comments and discussion
- 13:30 - 14:30 h Lunch, commercial exhibit and posters**
- 14:30 - 16:30 h LONG-TERM CIRCULATORY SUPPORT AND DESTINATION THERAPY**  
*Moderators: Dr E. Castells (H.U. Bellvitge) and Dr N. Manito (H.U. Bellvitge)*
- 14:30 h Indications, prognosis and results of the long-term circulatory support and the destination therapy: From the point of view of the cardiologist  
*Dr U.P. Jorde (Columbian Presbyterian Hospital New York)*
- 14:50 h Experience on long term support at La Pitié  
*Dr A. Pavie (H. La Pitié. Paris)*
- 15:10 h How to choose the right device for the right patient?  
*Dr J. Gummert (Herzzentrum NRW. Bad Oyenhausen)*
- 15:30 h Experience on Long-term support. Incor  
*Dr R. Tandler (Hospital Erlangen)*
- 15:50 h Comments and discussion
- 16:15 - 16:40 h Coffee-break, commercial exhibit and posters**
- 16:40 - 18:00 h NEW DEVICES AND TECHNOLOGIES**  
*Moderators: Dr J. Cañizo (H.U. Gregorio Marañón, E.S.A.O.) and J. González (H.U. Bellvitge)*
- 16:40 h A novel method to treat patients with heart failure: The application of microcurrent coupled directly to the myocardium  
*Dr J. Mueller (Berlin)*
- 16:55 h Total artificial heart. Abioco experience  
*Dr D. Raess (Danvers)*
- 17:10 h Cardiohelp System  
*T. Kirscht (Hirrlingen)*
- 17:25 h Research in mechanical circulatory support in Europe  
*J. Cañizo (Madrid)*
- 17:40 h Comments and discussion
- 17:55 - 18:00 h CLOSING REMARKS**  
*Dr C. Fontanillas (S. Cirugía Cardíaca. H. Univ. de Bellvitge)*

# General Information

**DATES:** February 25th and 26th, 2010

**VENUE:** HALL OF "HOSPITAL UNIVERSITARI DE BELLVITGE"

Feixa Llarga, s/n - 08907 L'Hospitalet de Llobregat. Barcelona

## REGISTRATION AND ACCOMMODATION:

**TECHNICAL SECRETARY:** BCM GROUP  
Balmes, 74, 1º 1ª - 08007 Barcelona  
Telephone: (34) 93 318 57 34  
Fax: (34) 93 342 41 47  
E-mail: [congresos@bcmedic.com](mailto:congresos@bcmedic.com)



**SCHEDULE OF SECRETARY:** 25th February from 2 am to 7 pm. 26th February from 8 am to 6:30 pm

<b>REGISTRATION FEES:</b>	<b>Before course</b>	<b>During the Course</b>
Physician	250 €	300 €
Fellow/Resident/Nurse/Technician	150 €	200 €

For registration to the "3rd International Symposium Mechanical Circulatory Support for the treatment of acute and chronic advanced heart failure" you can access to the following website: [www.bcmedic.com](http://www.bcmedic.com), in the "congresos destacados" section you will find the course's information.

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

<b>ACCOMMODATION:</b>	<b>Use Individual Double Room + Breakfast</b>	<b>Double Room + Breakfast</b>
HOTEL CATALONIA PLAZA****	94 €	108 €

The Hotel Catalonia Plaza is located in front of Metro Station (Espanya), Line 1 (Red line), which is directly linked to Metro Station "Hospital de Bellvitge". This Metro Station is located nearby Hospital de Bellvitge, venue of the course.

**LANGUAGES:** Simultaneous translation Spanish/English, English/Spanish

## INDUSTRY EXHIBITION

In order to get better knowledge about them, during the course, an exhibition of circulatory mechanical assistance, heart failure, heart surgery and cardiology companies and products will take place.

## QUALIFICATION

Course in process of obtaining qualification for continuous formation by "Consell Català de Formació Mèdica Continuada" and "Comisión de Formación Continuada del Sistema Nacional de Salud".

## POSTERS

In order to facilitate the diffusion and interchange of knowledge from national and international experiences the presentation of posters will be admitted.

All posters must be sent by email to the Secretariat of the Congress ([congresos@bcmedic.com](mailto:congresos@bcmedic.com)) before the 31 of January 2010 with the title, the names of the authors, center and text not more than 300 words. The acceptance will be confirmed before the 5 of February.



TECHNICAL SECRETARY **BCM Group** 

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