

## Curriculum Vitae

Personal information **María Angeles Castel**

### Work experience

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2006 – CURRENT – Barcelona, Spain

**CONSULTANT CARDIOLOGIST, HEART FAILURE AND HEART TRANSPLANT UNIT – Hospital Clinic Barcelona**

Heart Failure Specialist for advanced heart failure, responsible for patient screening for advanced heart failure therapies and heart transplantation.

Treatment and follow-up of chronic heart failure patients and heart transplanted patients on an "outpatient" clinical basis

and hospitalized patients.

Consultant specialist in device therapies for heart failure, resynchronization therapy, pacemaker, defibrillator therapy,

working together with the electrophysiology and image group.

Specialist for neurovagal therapy for heart failure, short term ventricular assist devices and LVADs for long term support.

Indication of assist device and follow-up responsible for follow-up of patients on long term left ventricular devices (LVAD).

Involved in education of university medical students, fellows from other centers and other countries and cardiology residents of the hospital.

2002 – 2004 – Hamburg, Germany

**CARDIOLOGIST SPECIALIST IN ADVANCE HEART FAILURE, RESYNCHRONIZATION THERAPY AND HEART TRANSPLANTATION – University Hospital UKE**

Cardiologist specialized in heart failure. Responsible for diagnosis, treatment and follow-up of patients with terminal heart

failure. Performance of ambulatory right heart catheterization and espiroergometry with peak V02 uptake.

Indication, implant and follow-up of resynchronization therapy devices (D- and pacemaker).

Clinical investigation in

resynchronizations therapy.

Clinical investigation in heart transplantation.

2005 – 2006 – Palma Mallorca, Spain

**CARDIOLOGIST, UNIT OF HEART FAILURE – Hospital Son Llàtzer**

Responsible for the creation of a heart failure unit. Diagnosis, risk stratification, treatment and follow-up of ambulatory

patients with heart failure.

Clinical cardiologist for hospitalized cardiology patients

## Education and training

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1992 – 1994 – Hamburg, Germany

DOCTOR OF MEDICINE, PHD – University Hamburg

1994 – 2000 – Hamburg, Germany

SPECIALIST FOR INTERNAL MEDICINE – Hospital St. Georg Hamburg (Sklepios)

1996 – 2002 – Hamburg, Germany

SPECIALIST FOR CARDIOLOGY – Hospital St. Georg Hamburg (Sklepios)

2018 – 2020 – Barcelona, Spain

MASTER FOR HOSPITAL AND HEALTH RESOURCE ADMINISTRATION – University of Barcelona

## Additional information

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### Publications

Multimodal Prehabilitation as a Promising Strategy for Preventing Physical Deconditioning on the Heart Transplant Waiting List. *Eu Journal Prev Cardiology*. 25/11/2019.

*Eur J Prev Cardiol*. 2019 Nov 25;2047487319889709. doi: 10.1177/2047487319889709. 2019

Improvement of Reverse Remodeling Using Electrocardiogram Fusion-Optimized Intervals in Cardiac Resynchronization Therapy: A Randomized Study

*JACC Clin Electrophysiol*. 4 - 2, pp. 181 - 188. 2018

Clinical outcomes of temporary mechanical circulatory support as a direct bridge to heart transplantation: a nationwide Spanish registry

*Eur J Heart Fail*. 2018 Jan;20(1):178-186. 2018

Venoarterial extracorporeal membrane oxygenation with or without simultaneous intra-aortic balloon pump support as a direct bridge to heart transplantation: results from a nationwide Spanish registry

*Interact Cardiovasc Thorac Surg*. 2019 Nov 1;29(5):670-677. 2019

Chronic vagal stimulation for the treatment of low ejection fraction heart failure: results of the NEural Cardiac TherApy foR Heart Failure (NECTAR-HF) randomized controlled trial

*European heart journal*. 36 - 7, pp. 425 - 433. 2015

Long-term vagal stimulation for heart failure: Eighteen month results from the NEural Cardiac TherApy foR Heart Failure (NECTAR-HF) trial

*Int J Cardiol*. 2017 Oct 1;244:229-234. 2017

Update on arrhythmias and cardiac electrophysiology

*Rev Esp Cardiol*. 2009 Jan;62 Suppl 1:67-79. 2009

Implementing cardiac resynchronization therapy in routine clinical practice:  
preoperative considerations and implantation techniques

Rev Cardiovasc Med. 2009 Winter;10(1):29-37.

2009

Septal flash predicts cardiac resynchronization therapy response in patients  
with permanent atrial fibrillation

Europace. 2014 Sep;16(9):1342-9

2014

Mechanical abnormalities detected with conventional echocardiography are  
associated with response and midterm survival in CRT

JACC Cardiovasc Imaging. 2014 Oct;7(10):969-79.

2014

Projects

Memberships

European Society of Cardiology, Working Group on Heart Failure

Europe

International Society for Heart and Lung Transplantation

International

Asociación de insuficiencia Cardíaca de la Sociedad Española Cardiología

Spain

Catalan Society for Transplantation

Catalonia

Other Relevant Information