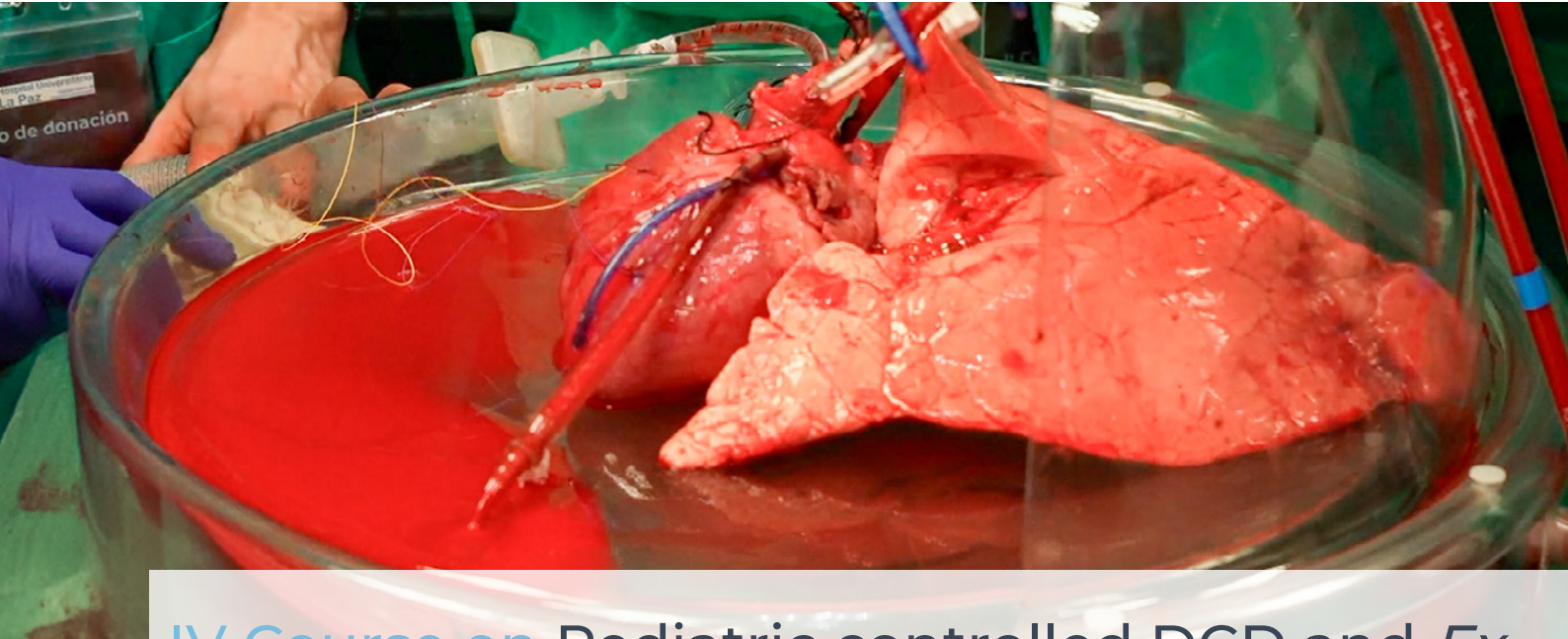


COURSE DIRECTORS:
Francisco Hernández Oliveros
Ane Miren Andrés Moreno



**Hospital Universitario
La Paz**
Hospital Carlos III
Hospital Cantoblanco

IdiPAZ
Instituto de Investigación
Hospital Universitario La Paz



IV Course on Pediatric controlled DCD and *Ex situ* organ perfusion.
Training and Research.

Location

In-person: Experimental Surgery Laboratory, La Paz University Hospital, and Simulation Platform, IdiPaz.

Online: A link will be provided for live streaming and for later access to recorded sessions.



Dates





Introduction

Donation after circulatory death (DCD) has become an increasingly important source of organs to meet the needs of pediatric transplant waiting lists. Establishing a controlled DCD program requires a multidisciplinary team that includes specialists in surgery, intensive care, anesthesiology, nursing, and transplant coordination.

This course provides theoretical and practical training relevant to professionals across different disciplines,

including those not primarily focused on pediatrics. Ex situ organ perfusion is an emerging field that plays a crucial role in evaluating and treating DCD organs. Participants will gain knowledge and hands-on experience in ex situ organ perfusion techniques.

“Controlled DCD and ex situ perfusion are revolutionizing pediatric transplantation.”

Objectives:

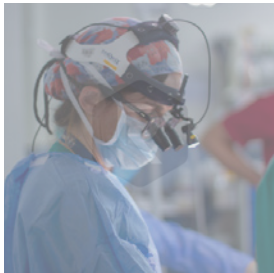
Acquire basic knowledge of legislation related to controlled DCD.



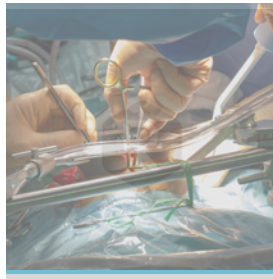
Understand the procedural steps involved in controlled DCD.



Develop technical skills required for donation through high-fidelity simulation.



Conduct the full donation procedure using an animal model.



Perform ex situ perfusion of retrieved organs under different conditions (hypothermic and normothermic).





Methods:

Theoretical

sessions: Online platform and in-person classroom discussions.

Group discussions

following each practice session.

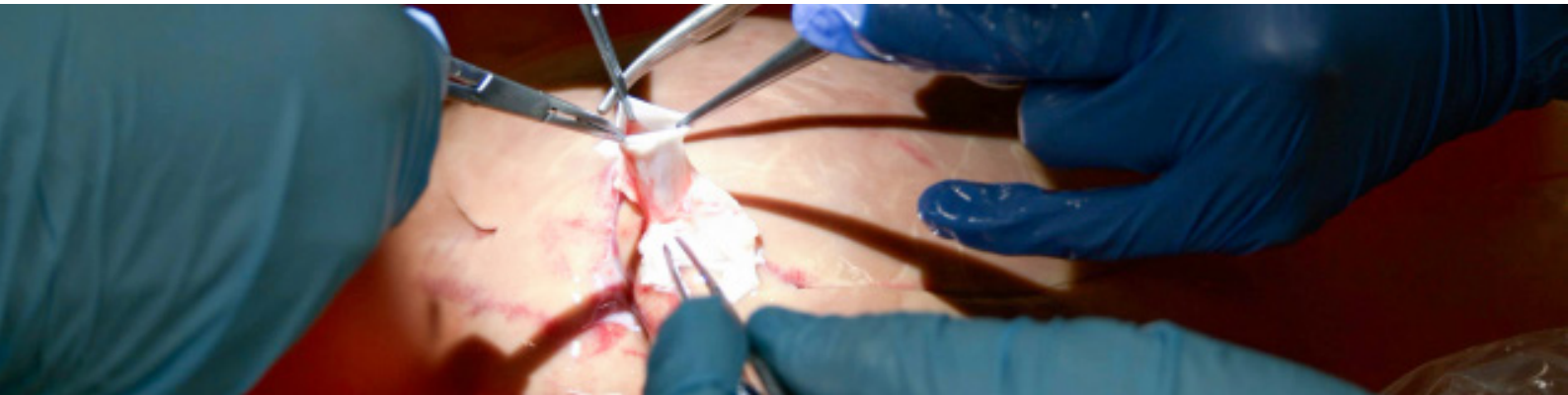
Practical training:

1. High-fidelity simulation models.
2. Role-playing exercises.
3. Animal models (donation and ex situ perfusion, including ex situ split liver back-table preparation).

Online Content (3 hours)

Participants will receive preparatory materials online prior to the course. These will be reviewed and discussed (4 hours total) with instructors.

- *Introduction and Legal Framework of DCD* – Dr. Alicia Pérez (ONT)
- *Controlled DCD Process* – Dr. Estébanez Montiel (Transplant Coordinator, HULP)
- *Donor and Recipient Selection Criteria* – Drs. María Velayos and Virginia Amesty (HULP)
- *Pre- and Post-Mortem Cannulation for Donation* – Dr. González Rocafort (Cardiac Surgery) and Dr. Serradilla (Pediatric Surgery), HULP
- *Organ Viability Criteria* – Dr. Rosa Erro (HULP)
- *Role of Nursing in DCD* – RN Cristina González (HULP)
- *Normothermic Regional Perfusion (Abdominal and Thoracoabdominal)* – RN Paula Burgos (HULP)
- *Role of the Anesthesiologist in Controlled DCD* – Dr. Gema Campo (Pediatric Anesthesiologist, HULP)
- *Transplant Outcomes in Controlled DCD* – Dr. Estefania Fernandez (Birmingham Children's Hospital)
- *Ex Situ Perfusion of Organs from DCD Donors* – Dr. Alba Bueno (Pediatric Surgeon, Birmingham Children's Hospital)
- *Research Models in DCD* – Pablo Stringa (La Plata Research Institute, Argentina)



On-site Theoretical Content

Faculty:

- Francisco Hernández Oliveros – Pediatric Surgery and Pediatric Transplantation, La Paz University Hospital (HULP)
- Ane Miren Andrés Moreno – Pediatric Surgery and Pediatric Transplantation, HULP
- Dr. Alicia Pérez – Spanish National Transplant Organization (ONT)
- Belén Estébanez Montiel and Eva Flores Cabeza – Transplant Coordination, HULP
- María Velayos López – Pediatric Surgery and Pediatric Transplantation, HULP
- Virginia Amesty – Pediatric Urology and Pediatric Transplantation, HULP
- Javier Serradilla Rodríguez – Pediatric Surgery and Pediatric Transplantation, HULP
- Álvaro González Rocafort – Pediatric Cardiac Surgery and Transplantation, HULP
- Juvenal Rey – Pediatric Cardiac Surgery and Transplantation, HULP
- Rosa Erro – Pediatric Surgery, Mexico; Director of the National Transplant Center of Mexico
- Cristina González – Pediatric Surgery and

Transplantation Nurse, HULP

- Paula Burgos – Perfusionist in Cardiac Surgery, Pediatric Surgery and Transplantation, HULP
- Iñigo Velasco – Perfusionist in Cardiac Surgery, Pediatric Surgery and Transplantation, HULP
- Pilar Guillermo – Perfusionist in Cardiac Surgery, Pediatric Surgery and Transplantation, HULP
- Gema Campo – Pediatric Anesthesia and Transplantation, HULP
- Karla Estefanía – Pediatric Surgery and Transplantation, Birmingham Children's Hospital
- Alba Bueno – Pediatric Surgery and Transplantation, Birmingham Children's Hospital
- Pablo Stringa – Research Institute of La Plata, Argentina

Invited Speakers – International Faculty

- Damiano Patrono (Milan): DCD and Organ Perfusion Machines in Italy
- Marhus Göbel (Gothenburg): DCD and Organ Perfusion Machines in Sweden
- Ian Currie (UK): Organ Retrieval
- Andrew Butler (UK): DCD and Organ Perfusion Machines in the United Kingdom

Practical Sessions:

1. Donor assessment + simulation model (4 h)
2. Animal model (donation practice) (12 h)
3. Ex situ perfusion practice (8 h)

Total duration: 24 hours.

Wednesday

December 3rd

"Pediatric DCD and Organ perfusion symposium".

08:30–08:45

· Registration

08:45–09:00

Course presentation and inaugural session

Coordinators' Session (moderators: Belén Estébanez and Eva Flores)

09:00–09:20

· Current Status of Pediatric DCD in Spain – A. Pérez (TBC)

09:20–09:40

· Identifying and Evaluating Potential Pediatric DCD Donors – Alexandra Hernández Yuste, Hospital Materno Infantil

de Málaga (TBC)

09:40–10:00

· The Potential Neonatal Donor – José Ramón Fernández, Hospital de Cartagena (TBC)

10:00–10:30

· Coffee break

10:30–10:50

· Donor Management in the Pediatric Intensive Care Unit – Belén Calderón Llopis (TBC)

10:50–11:10

· Technical Aspects of the DCD Procedure – Belén Estébanez, HULP

11:10–11:30

· Ethical Issues in Pediatric Donation – Montse Nieto, Hospital Niño Jesús (TBC)

11:30–12:00

· Clinical Case Discussion – Álvaro Navarro, Laura Sánchez, María Laplaza (TBC)

12:00–13:00

· Simulation Model - Eva Flores, Belén Estébanez

13:00–14:00

· Lunch Break

International Overview: DCD and Machine Perfusion

Session 1. Moderators: (Alba Bueno and Francisco Hernández-Oliveros)

14:00–14:20

- DCD in Spain (TBC)

14:20–14:40

- Organ Procurement Organization in the UK – Ian Currie

14:40–15:00

- DCD and Machine Perfusion in the UK – Andrew Butler

15:00–15:20

- DCD and Machine Perfusion in Italy – Damiano Patrono

15:20–16:00

- Coffee break

Session 2. Moderators (Damiano Patrono and Ane Andrés)

16:00–16:20

- DCD and Machine Perfusion in Sweden –

(TBC)

16:20–16:40

- DCD and Machine Perfusion in Belgium – (TBC)

16:40–17:00

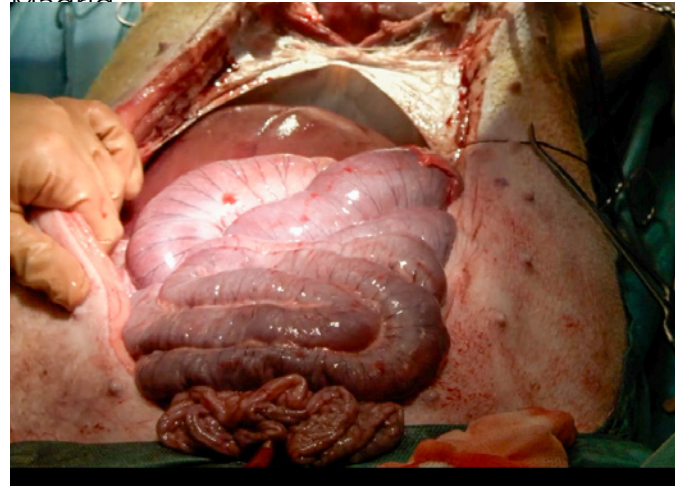
- Heart Transplantation after ex situ Machine Perfusion – Louise Kenny, Newcastle

17:00–17:20

- (TBD)

17:20–17:40

- Pediatric DCD at La Paz University Hospital, Madrid



Thursday

December 4

8.30-9.00h:

- Preparation of Animal Model (Group Work)

9-11 h:

- DCD Sessions 1–3

11.00-12.00h:

- Coffee Break + Debriefing

12.00-14.00:

- DCD Sessions 4–6

14.00-15.00

- Lunch + debriefing.

15.00-19.00

- *Ex Situ* Perfusion Practice

20.30: Course dinner.

Friday

December 4

8.30-9.00h:

- Preparation of Animal Model (Group Work)

9-11 h:

- DCD Sessions 7–9.

11.00-12.00h:

- Coffee Break + Debriefing

12.00-14.00:

- DCD Sessions 10–12

14.00-15.00

- Lunch + debriefing.

15.00-19.00

- *Ex Situ* Perfusion Practice

Registration Fees

Surgeons	1.200€
Perfusionists	1.000€
Anesthetists / Intensivists / Transplant coordinators	800€
Nursing Staff	400€
Residents / Students	300€
Online attendance (streaming only)	200€
Pediatric DCD symposium. International overview on organ donation and perfusion" (Wednesday 3rd) (possible online)	100€

Course registration fees vary depending on the cost of materials required for each specialty's practical activities. Scholarships are available for residents, and a significantly reduced fee is offered to those who are unable to travel and choose the online format. In this case, the fee is the same for all participants.

Places are limited and will be allocated on a first-come, first-served basis. Registration can be completed through the following link:

[ERGON](#)

For any questions or additional information about the course, please contact:
ane.andres@salud.madrid.org
fhernandez@salud.madrid.org

Accreditation in process by the Continuing Education Commission for Health Professions.

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