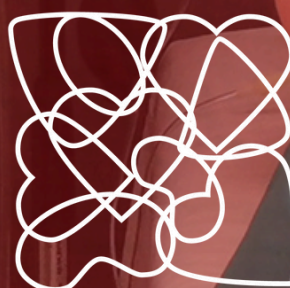




22nd edition

# International Master in Donation and Transplantation of Organs, Tissues and Cells

September 2025 - June 2026



**DTI**

DONATION & TRANSPLANTATION INSTITUTE






## OVERVIEW

**Donation and Transplantation Institute – DTI Foundation** is a non-profit organization with the commitment to train and advise public and private organizations in the development of organ donation and transplantation systems, and therefore to raise organ donation in the world and improve people's quality of life.

**Transplant Procurement Management (TPM)** is the educational brand of DTI Foundation. It was created in 1991 as an international educational program that provides demand-driven, high-quality training that facilitates the transfer of knowledge and the development of professional competences as well as an excellent framework for networking worldwide.

**The International Master in Donation and Transplantation of Organs, Tissues and Cells** is a specific Master of the Universitat de Barcelona that gathers the up to now efforts carried out by national and international organizations of this field. It takes advantage of advanced learning technologies that provide significant learning experiences and foster meaningful collaborations.

The program includes online training and an optional face to face observership in a prestigious centre. You will have the opportunity to learn and to exchange knowledge with colleagues, experts, tutors and the centres' staff. TPM courses previously completed are eligible for recognition and are validated.

 Duration - 9 months  Language - English  Modality- Online/Blended



## OBJECTIVES

The main goal of this master's program is to integrate knowledge, skills, and best practices to support healthcare professionals like you working as donor-transplant coordinators, tissue bankers and advanced cell therapies researchers. This is done by providing an updated educational program that leads to earning a Master's degree.

- To provide healthcare professionals with the tools and resources that may support their work and the development of the multidisciplinary tasks in donor-transplant coordination, tissue banking and cell therapy programs.
- To facilitate the switch from theoretical knowledge into the practice, through a critical reflection about their own experience.
- To optimize decision-making in the organ procurement process, to boost teamwork and to promote the use of communication technologies to share information, knowledge and best practices.
- To establish a consulting network with the participation of allied international institutions building up safe and quality transplant systems.
- To increase donation rates and, consequently, transplantation rates among the countries represented by the participants.



### International Experts:

Vast experience in the field of donation and transplantation



### Networking:

Learn and share experiences from a multicultural approach.



### Learning on the go:

You can learn anywhere, anyway and any time



### Knowledge:

Holistic view of the donation and transplantation process.

## ADDRESSED TO

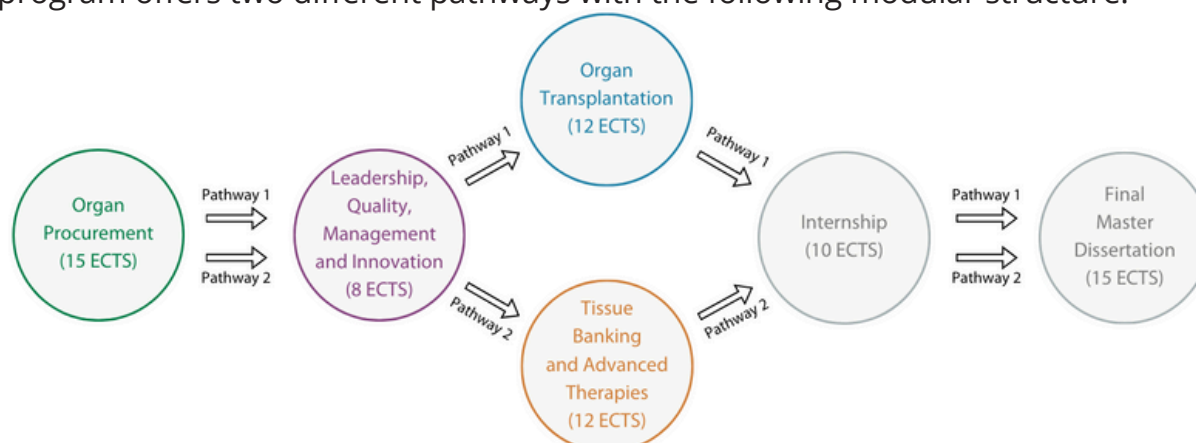
- Healthcare professionals involved in any of the phases of an ongoing organ donation / transplantation program.
- Professionals involved in tissue, cells, and advanced therapies.
- Researchers and project managers working in the field.
- Biology, Biochemistry, Chemical Engineering, Pharmacy & Pharmacology specialists.
- Professionals in charge of national, regional, or local procurement organizations

## SKILLS AND COMPETENCES

- Develop a strategic vision to increase donation rates by acquiring knowledge and planning, coordinating, and promoting public awareness.
- Ensure compliance with international standards for the procurement, processing, and storage of organs, tissues and cells.
- Apply clinical criteria and ethical principles to assess donor eligibility and manage donation processes.
- Evaluate donor and recipient suitability based on clinical, immunological, and logistical criteria.
- Understand the principles of transplant surgery and manage early postoperative care.
- Conduct sensitive conversations with donor families and lead public awareness campaigns to promote donation.
- Demonstrate effective communication and collaboration in multidisciplinary teams to ensure safe and efficient donation and transplantation procedures.
- Apply personal and interpersonal skills such as responsibility, motivation, empathy, flexibility, tenacity, enthusiasm, autonomy, creativity, diplomacy, and conflict resolution in professional and collaborative contexts.
- Exhibit leadership and contribute actively to team-based initiatives.
- Build professional networking and international collaboration with other healthcare professionals.
- Demonstrate the ability to independently plan, manage, and evaluate one's learning process in an online academic setting, using digital tools and virtual spaces.

## PERSONALIZED PATHWAY

The program offers two different pathways with the following modular structure:



## METHODOLOGY

The methodology of this program is designed to foster **competency-based, interdisciplinary, and practice-oriented learning** in a flexible online environment. It integrates theoretical knowledge with real-world application through:

- A **modular** structure, with thematic modules covering all the donation and transplantation process
- **Online live sessions** / webinars that provide opportunities for direct engagement with faculty
- A **self-directed** and **asynchronous learning** through a **virtual campus**, allowing students to manage their own pace and schedule
- Learning materials including **recorded lectures, case studies, interactive multimedia content, and case-based and problem-solving approach**
- **Collaborative learning**, with virtual discussions and group assignments simulating the multidisciplinary nature of transplant teams
- **Expert guidance** from international experts in the field
- **Continuous assessment**

Each module will require approximately 10-15h hours dedication per week, including one online live session every Thursday. \*

\*Sessions are subject to change dates. These are specified in the course calendar.

### Asynchronous Activites



Learn at your own pace:

- Written content
- Videos
- Forum discussions
- Group activities
- Virtual games

### Synchronous Activites



Real-time sessions once a week:

- Interactive clinical cases
- Round table
- Video analysis
- Lectures

Contents are divided into different topics and are delivered gradually through our virtual campus according to the calendar. Each topic is guided by a team of **national and international healthcare professionals** with a high level of expertise in the field.

Faculty members act as tutors **promoting communication and guiding the students** throughout their learning process.

Learning through our virtual campus based on:

- Collaborative learning
- Case-based learning
- Simulations
- Problem-based learning
- Gamification
- Flipped learning



## CONTENTS AND CALENDAR



### ORGAN PROCUREMENT 6th October - 14th December 2025

- Donor Detection and Evaluation
- Brain Death Diagnosis
- Donor Management and Organ Viability
- Family approach to Organ Donation
- Organ Recovery, Preservation & Allocation
- Criteria (ORPA)
- Donation after Circulatory Death



### LEADERSHIP, QUALITY, MANAGEMENT AND INNOVATION 15th December - 1st February 2026

- Organ procurement and transplant programs organization
- Best practice models
- Teambuilding & empowerment
- Optimal cost-effective measures
- Engaging your staff: working with and through others
- Quality programs and quality indicators



### ORGAN TRANSPLANTATION 2nd February - 5th April 2026

- Immunology and Immunosuppression
- Indications and Waiting List
- Organ evaluation and surgical procedure
- Postoperative management and medical follow-up
- Paediatric Transplantation
- Living donation



### TISSUE BANKING AND ADVANCED THERAPIES 6st April - 7th June 2026

- Ethical and Regulatory Issues
- Quality Management
- Tissue Donor Detection and Select Criteria
- Cardiovascular Banking
- Cornea Banking
- Skin Banking
- Musculoskeletal Banking
- Tissue and Cell Therapy



### DIVING THROUGH D&T PROCESS February - June 2026 Optional Face-to-face Preceptorship 8 June - 10 June

- Immersive visit to a hospital with VR glasses
- Interview with experts
- Videos recorded by experts in donation and transplantation
- Face to face observership is optional, with the possibility to attend real cases in an accredited centre.



### FINAL MASTER'S DISSERTATION November 2025 - 10 June 2026 Oral defense: 11 June 2026

- Written master thesis with an oral defense • Based on the applicability of the knowledge acquired
- Practical and implementable in your workplace or professional career.
- Languages accepted for the FMD: English, Spanish, Catalan, French and Italian.

## MASTER'S DIRECTOR



**RICARD VALERO**  
Head of Anaesthesiology  
Service  
Hospital Clínic de Barcelona  
Associate Professor  
Universitat de Barcelona



**CHLOË BALLESTÉ**  
Medical Director DTI  
Foundation  
Professor Universitat de  
Barcelona



**CARMEN BLANCO**  
Head of Educational  
Programs DTI  
Foundation



**MAITE PUJOL**  
Master's Coordinator  
Learning Designer  
DTI Foundation

## MASTER'S COORDINATION

## UNIVERSITAT DE BARCELONA PROFESSORS



**IRENE BELLO**  
Thoracic Surgeon  
Lung transplant  
Hospital Clínic de Barcelona



**JORDI COLMENERO**  
Hepathologist at Liver  
Transplant Unit Hospital Clínic  
de Barcelona



**FRITZ DIEKMANN**  
Head of Renal Transplant  
Unit Hospital Clínic de  
Barcelona



**RICARD NAVARRO**  
Cardiothoracic and  
Cardiovascular  
Anesthesiology Specialist  
Hospital Clínic de Barcelona



**AURORA NAVARRO**  
Medical Biovigilance Officer  
Organització Catalana de  
Trasplantaments (OCATT)



**EVA OLIVER**  
Intensive Care Specialist  
and Transplant  
Coordinator Hospital  
Clínic de Barcelona



**DAVID PAREDES**  
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**IGNACIO REVUELTA**  
Nephrologist Renal Transplant  
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**VICENS TORREGROSA**  
Nephrologist Renal Transplant  
Unit Hospital Clínic de Barcelona



**ALBERTO VILLAMOR**  
Night Shift General Nurse  
Manager Hospital Clínic de  
Barcelona



**PEDRO VENTURA**  
Transplant Nephrologist  
Hospital Clínic de  
Barcelona



## ASSESSMENT

The Master's program follows a continuous assessment to ensure participants acquire an excellent level of contents' understanding. Every module will be graded through virtual campus activities with the support of tutors and experts. To reinforce learning, you will have a self-assessment quiz after each topic and a Final Evaluation Test on each module.

Additionally, a minimum attendance of 80% in the online live sessions is required to successfully complete the program.

## ACADEMIC QUALIFICATION



This course is awarded a **60 ECTS** Master's degree diploma. The diploma awarded is a University of Barcelona – specific degree issued under Article 34 of the Organic Law on Universities.

## PRE-ENROLMENT


To apply, submit your application form, CV and a motivation letter through our website. To be eligible you must hold a Bachelor's degree or an equivalent first academic degree from an internationally recognized university. If you hold a different type of qualification, you may still register. Upon completion of the course, you will receive an alternative certificate.



**This master's degree is endorsed by ESOT**

## ENROLMENT AND FEE

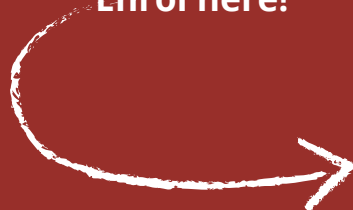
 8100 €  
(135 € per ECTS credit)

 Optional face-to-face  
observership: 600 - 800  
euros/week (minimum of 2 weeks)

The fee includes:

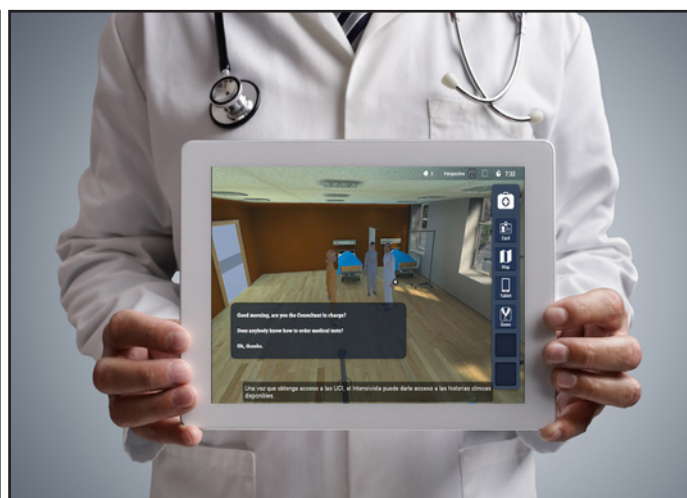
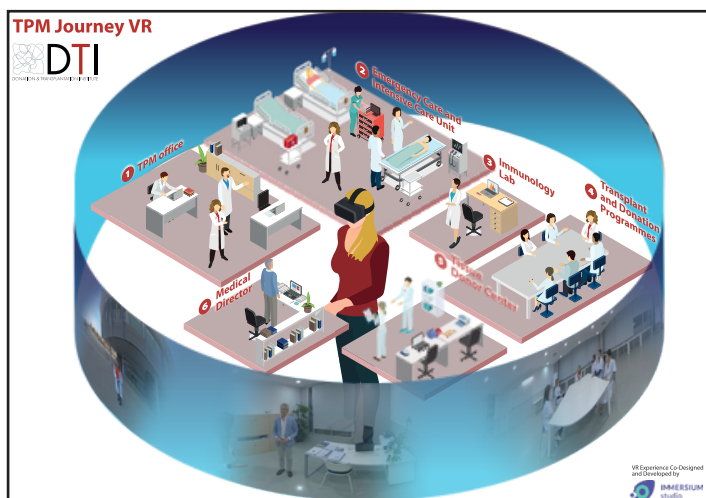
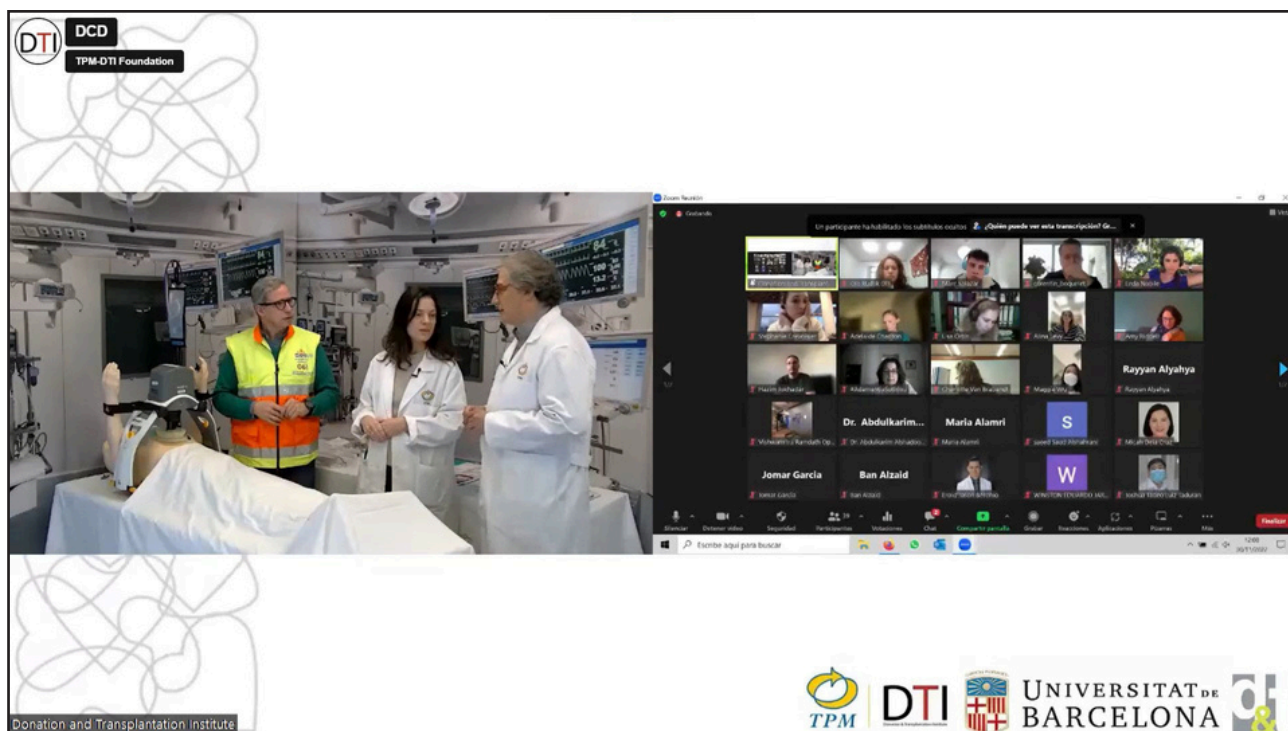
- Official registration
- Learning material
- Academic tuition throughout the course

**Enrol here!**



Travel and lodging for attending the face-to-face parts of the program are not included.

\*5% discount for applicants from low-income countries (according to the list of LDCs of United Nations)



## SUPPORTING ORGANIZATIONS









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