

**23rd edition**

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

**September 2026 - June 2027**



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 specialized master's program offered by the Universitat de Barcelona. It brings together the expertise and contributions of national and international organizations in the field. The program leverages advanced learning technologies that provide significant learning experiences and foster meaningful collaboration.

This is an online training program that includes an optional in-person observership at a prestigious center. Participants will have the opportunity to learn and exchange knowledge with colleagues, experts, tutors and center staff. Some TPM courses previously completed may be eligible for recognition and validation.



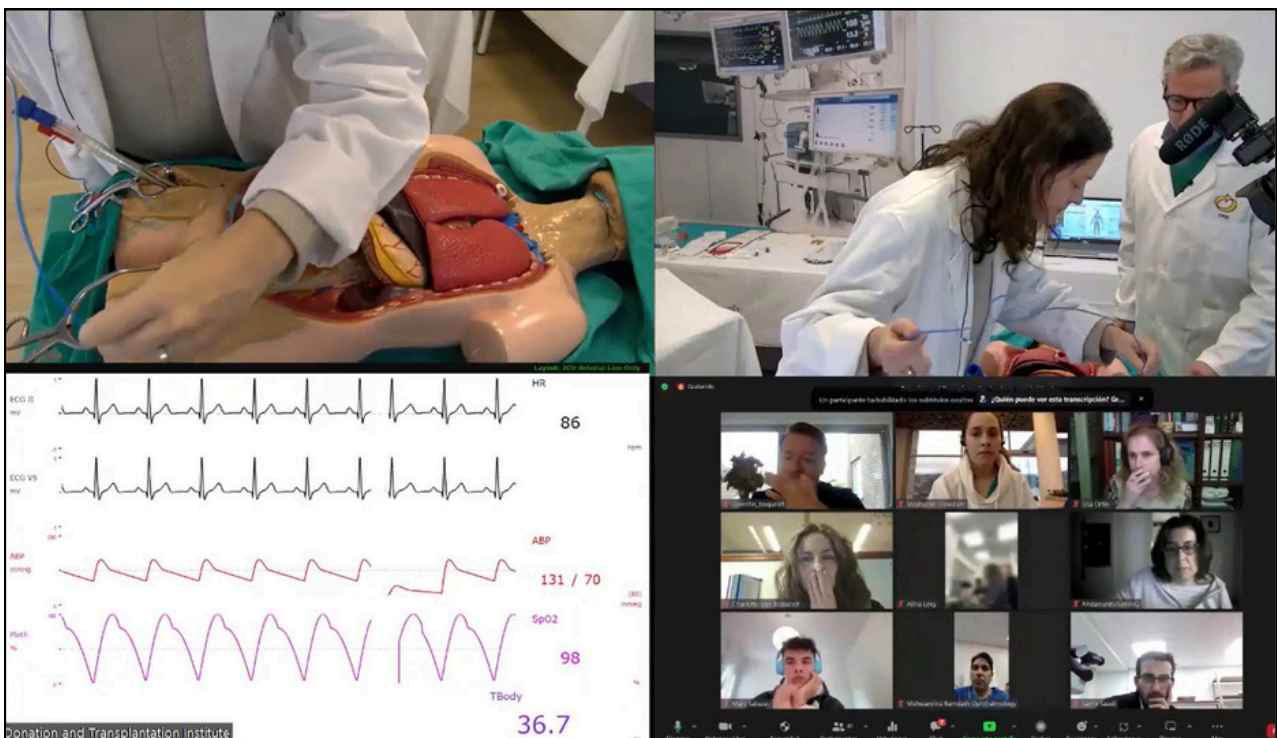
Duration - 9 months



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 program provides an up-to-date 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, any way and any time.



### Knowledge:

Holistic view of the donation and transplantation process.

**ADDRESSED TO**

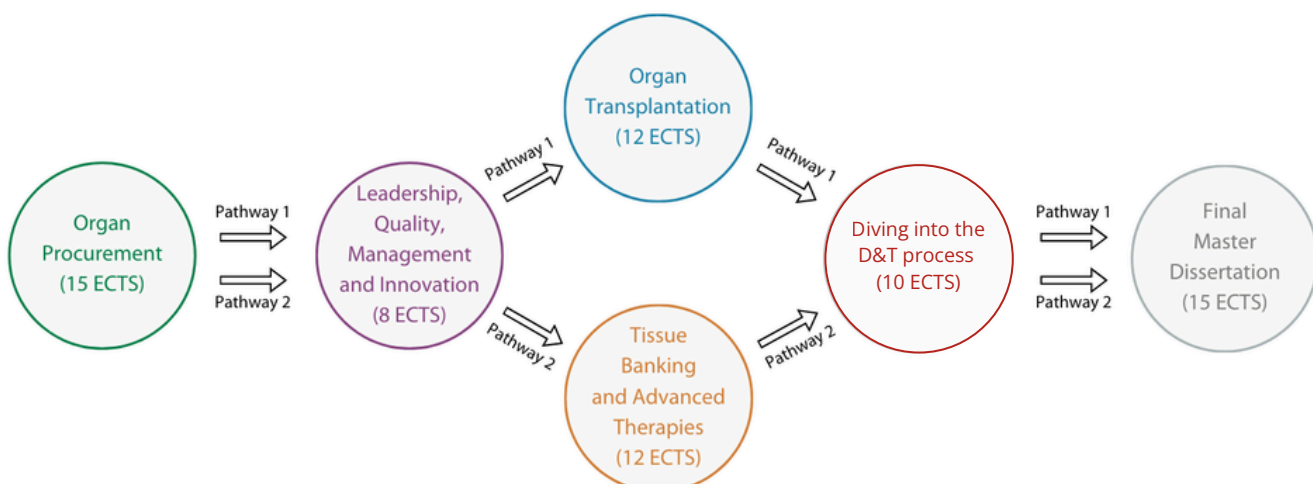
- Healthcare professionals involved in any of the phases of an ongoing organ donation/ transplantation program.
- Professionals involved in tissue, cells and advanced therapies.
- Researchers and project managers working in the field.
- Biology, Biochemistry, Chemical Engineering, Pharmacy & Pharmacology 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 10-15 hours dedicated 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**

5th October - 13th December 2026

- 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**

14th December - 31st January 2027

- 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**

1st February - 11th April 2027

- 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**

5th April - 6th June 2027

- 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 INTO D&T PROCESS**

February - June 2027

Optional Face-to-face Preceptorship  
8 June - 9 June

- Immersive visit to a hospital with VR glasses
- Interview with experts
- Videos recorded by experts in donation and transplantation
- Face to face optional activity in Barcelona where you will be able to visit hospitals and other facilities, and participate in panel discussions with experts among others.



**FINAL MASTER'S DISSERTATION**

November 2026 - 10 June 2027  
Oral defense: 10-11 June 2027

- 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



**CHLOË BALLESTÉ**

Medical Director  
DTI Foundation  
Professor Universitat de  
Barcelona

## MASTER'S COORDINATION



**CARMEN BLANCO**

Head of Educational  
Programs  
DTI Foundation



**MAITE PUJOL**

Master's Coordinator  
Learning Designer  
DTI Foundation

## UNIVERSITAT DE BARCELONA PROFESSORS



**RICARD VALERO**

Head of Anaesthesiology Service  
Associate Professor  
Universitat de Barcelona



**IRENE BELLO**

Thoracic Surgeon  
Lung transplant  
Hospital Vall d'Hebrón



**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



**GABRIEL MORENO**

Director of Transplant  
Program  
Hospital Universitari de  
Bellvitge



**AURORA NAVARRO**

Medical Coordination Tissue  
Donation Donor center  
Barcelona Tissue Bank - BST



**EVA OLIVER**

Intensive Care Specialist and  
Transplant Coordinator  
Hospital Universitari de Bellvitge



**DAVID PAREDES**

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Anesthesiologist  
Hospital Clínic de  
Barcelona



**IGNACIO REVUELTA**

Nephrologist Renal Transplant  
Unit - Hospital Clínic de  
Barcelona



**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 the 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-ENROLLMENT

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**

## ENROLLMENT AND FEE

 8520 €  
 (142 € per ECTS credit)



Optional in-person observership:  
600 - 800 euros/week (minimum of 2 weeks)

The fee includes:

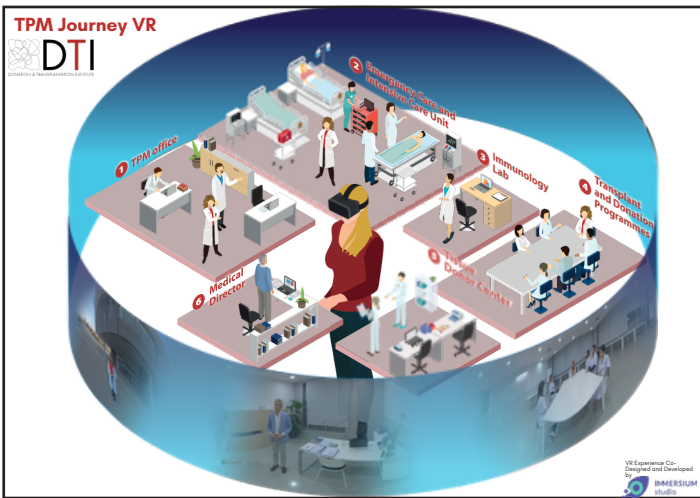
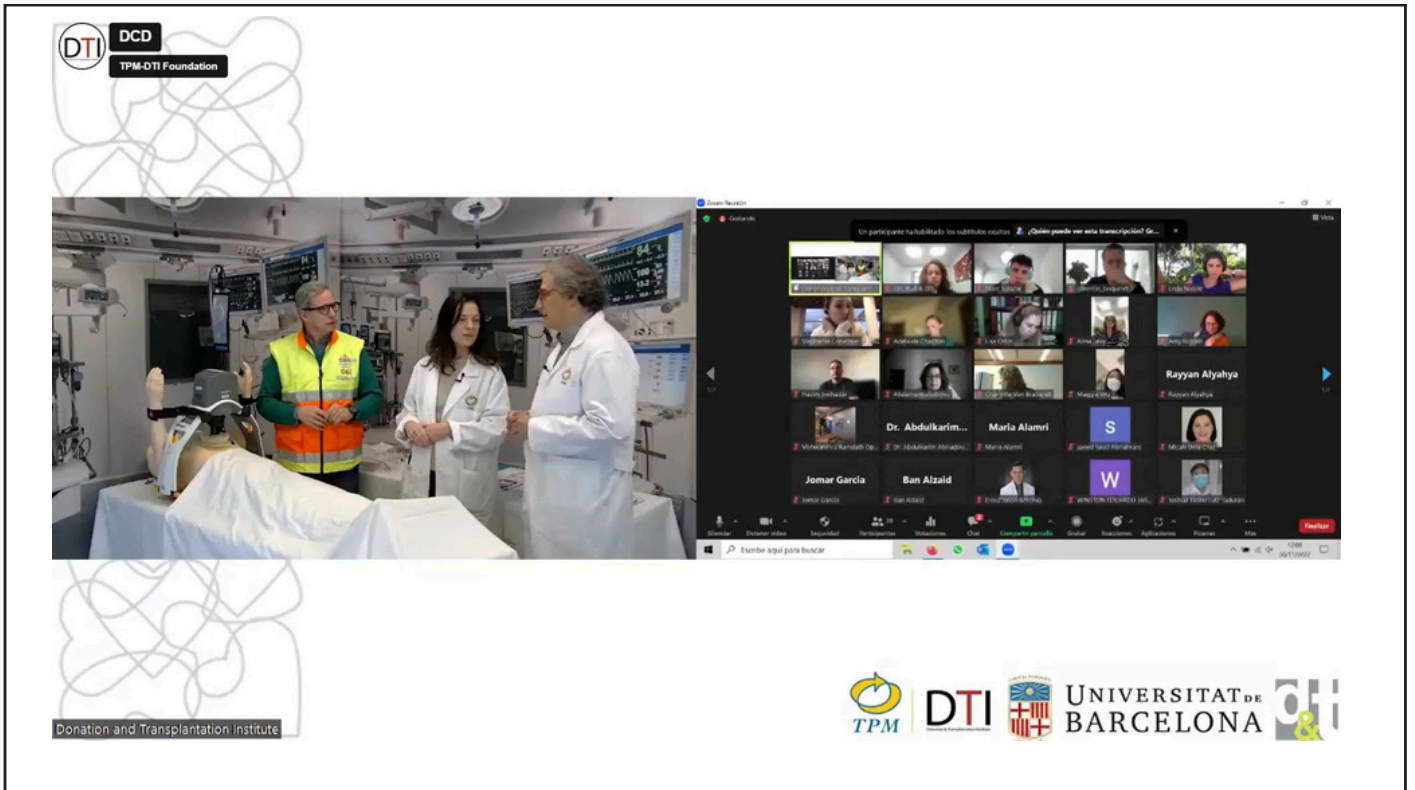
- Official registration
- Learning material
- Academic tuition throughout the course

Travel and lodging for attending the in-person parts of the program are not included.

**Enroll here!**



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



## SUPPORTING ORGANIZATIONS







**Donation and Transplantation Institute**

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