Area 1: General Transplant Coordination

Subject Objective:

Ability to understand the principal aspects related with donation & transplantation of organs & tissues:

Ability to establish a proactive donor detection program

Ability to coordinate multi-disciplinary teams to facilitate organ & tissue donation

Knowledge:

Comprehensive understanding of the indications & contraindications for organ & tissue transplantation

Comprehensive understanding of immunology: ABO compatibility, HLA matching, cross match, rejection & immunosuppression.

Comprehensive knowledge of the diagnosis of death by neurological criteria

Comprehensive knowledge of the diagnosis of death by cardiac

Comprehensive knowledge of the laws, which support the diagnosis of death & donation. Comparison between countries

Comprehensive knowledge of the medical exclusion criteria for organ & tissue donation

Principles of donor management

Principles of family approach

Knowledge of the retrieval procedures, preservation, packaging, transportation & traceability of organs & tissues

Understanding of the organ allocation system

Principles of management of organizations

Principles of business management

Clinical Skills:
Detection & identification of possible donors
Organ & tissue viability criteria
Facilitation of the diagnosis of death by brain & cardio-pulmonary criteria
Donor management
Family & legal procedures
Coordinate organ & tissues retrieval
Organization of organ & tissue sharing & distribution
Manage a quality system to ensure safety & transparency of practice

Professional Skills:
Ability to work & manage a multi-disciplinary team
Accurate documentation skills
Verbal & non-verbal communication skills
High level of organisational skills
Ability to educate health professionals & the community
Ability to professionally represent the organization to key stakeholders, the community & the media

Leadership skills
Area 2: Donation after Cardiac Death (DCD) Coordination

Subject Objective:
Ability to identify the potential DCD donor
Ability to facilitate DCD organs & tissues retrieval
Ability to manage the legal & ethical issues for donation after cardiac death

Knowledge:
Comprehensive understanding of the Maastricht categories for DCD
Thorough knowledge of the several legal frameworks that describes end-of-life care
Understanding of the ethical issues for health professionals in critical care areas
Understanding of ethical controversies that involve DCD
Knowledge of transplant outcomes for organs compromised by warm ischaemia
Principles of family approach for donation after cardiac death

Clinical Skills:
Ability to identify potential DCD donors in the clinical setting
Ability to evaluate & assess donor suitability
Communicate effectively with the donor family in the approach for consent
Ability to facilitate organ retrieval to minimise warm ischaemic damage

Professional Skills:
Ability to work & manage a multi-disciplinary team
Ability to identify key health professionals in the clinical setting to support DCD
Demonstrate advocacy for donor intentions
High level of organisational skills
Ability to educate health professionals in donation after cardiac death
AREA 3: Living Donor Coordination

Subject objective

Ability to select a suitable living donor
Ability to facilitate living donor transplantation
Ability to manage the legal & ethical issues related with living donation

Knowledge

Comprehensive understanding of the diseases responsible for organ failure
Indications & contraindications for living organ transplantation
Comprehensive understanding of immunology: ABO compatibility, HLA matching, cross match, rejection & immunosuppression.
Knowledge of psychological aspects of living donor evaluation
Knowledge about relevancy of social aspects of living donor evaluation
Knowledge of pre & post transplant management
Knowledge of post donation & post transplant complications
Knowledge of the legal & ethical issues related with living donation

Clinical skills

Collect & evaluate data & make recommendations pertinent to potential organ donation & transplantation
Assess suitability for the donor & recipient
Prepare the potential donor & recipient for organ transplantation
Coordinate preoperative care for donor & recipient
Follow-up of the donor & recipient

Professional skills

Ability to act in a multi-disciplinary environment
Support transplantation research & education
Follow ethical & legal guidelines

**AREA 4: Recipient Transplant Coordination**

**Subject Objective:**
Ability to post transplantation monitoring & maintenance

**Knowledge:**
Comprehensive understanding of the diseases responsible for organ failure
Indications & contraindications for organ transplantation
Comprehensive understanding of immunology: ABO compatibility, HLA matching, cross match, rejection & immunosuppression.
Knowledge of post transplant management
Knowledge of post transplant complications

**Clinical Skills:**
Evaluate objective clinical signs
Monitor laboratory results
Monitor graft function for complications
Identify potential complications & appropriate interventions
Evaluate graft rejection
Recognize signs & symptoms of infections
Maintain patient safety & prevent infections
Evaluate psycho-social response
Educate transplant recipient & family
Initiate patient self-care teaching
Professional Skills:

Ability to act in a multi-disciplinary environment

Support transplantation research & education

Follow ethical & legal guidelines
AREA 5: Tissue Donation Coordination

Subject objective
Ability to assess tissue donation from living & deceased donors

Knowledge
Comprehensive understanding of the diseases treatable by tissue transplantation
Indications & contraindications for tissue donation & transplantation
Knowledge of the retrieval procedures, preservation, packaging, transportation & traceability of tissues
Knowledge of the legal & ethical issues related with tissue donation & transplantation

Clinical skills
Evaluation of donor suitability
Able to undertake consent procedure
Coordinate tissue retrieval
Processing & storage of donated tissue
Creating a database of the grafts available for clinical use
Keeping a registry & monitoring all grafts to ensure their traceability & quality control

Professional skills
Ability to act in a multidisciplinary environment
Practise evidence-based medicine: audit, clinical trials, journal review
Follow medico-legal & ethical issues
Record & retrieve information from databases