

SYLLABUS FOR TRAINING IN TRANSPLANT COORDINATION

EDTCO. VERSION SEPTEMBER 2016

Area 1: General Transplant Coordination

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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:

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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

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Area 2: Donation after Cardiac Death (DCD) Coordination

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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

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Ability to educate health professionals in donation after cardiac death

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AREA 3: Living Donor Coordination

Subject objective

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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

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Support transplantation research & education

Follow ethical & legal guidelines

AREA 4: Recipient Transplant Coordination

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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

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Professional Skills:

Ability to act in a multi-disciplinary environment

Support transplantation research & education

Follow ethical & legal guidelines

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AREA 5: Tissue Donation Coordination

Subject objective

Ability to assess tissue donation from living & deceased donors

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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

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Record & retrieve information from databases