

(Annexure – 1)

**Syllabus for Training of Transplant Coordinators**

**Section –I**

**Human Organ Transplantation Acts and Organ allocation Guidelines**

1. Human organ Transplantation Guidelines
2. Amendments of Organ and Tissue Transplantation act and rules
3. Organ allocation Guidelines
4. Medico legal aspects of Deceased Donor Transplant
5. Panchnama of a Brain Death Donor
6. Jeevandan WEBSITE

**Section –II**

**Neurosciences**

1. Neurology Anatomy and Physiology of Brain
2. Crania Nerves and Brain stem reflexes
3. Brain Death and Cardiac Death
4. Brain Death Certification

**Section – III**

**Kidney Transplantation**

Anatomy and Physiology of Kidney

Acute kidney injury

Chronic kidney disease

Peritoneal Dialysis

Hemodialysis

Live renal Transplant

Deceased Donor renal Transplant

ABO incompatible Transplant

Lymphocyte cross match

Immunosuppressive Medication in renal Transplantation

Basics of renal Transplant surgery

Surgical Complications of Kidney Transplantation

Medical Complications of Kidney Translation

## **Section – IV**

### **Tissue Transplantation**

Basic of eye Donation

Skin Transplantation

Transplantation of cardiac valves

Bone Transplantation

Cartilage Transplantation

Vascular graft Transplantation

Other tissue Transplantation

## **Section – V**

### **Liver and Pancreas Transplantation**

Anatomy and physiology of liver and pancreas

Acute and Chronic liver diseases

Indications of liver Transplant

Indications of pancreas Transplant

Islet cell transplant

Live and deceased donor liver Transplantation

Basics of liver transplant surgery

Complications of liver Transplantation

Immunosuppressive Medication in Liver

## **Section – VI**

### **Intensive care**

Ventilator care

Advanced life support system

Maintenance of a brain death donor

Anesthetic care of Brain Death Donor

Pharmacotherapeutic agents

## **Section – VII**

### **Heart and Lung**

Anatomy and physiology of Heart  
Anatomy and physiology of Lung  
Heart failure and indications of heart Transplantation  
Indications of Lung Transplantation  
Basics of Heart Transplantation  
Basics of Lung Translation  
Complications of Heart Transplantation  
Complications of Lung Transplantation  
Immunosuppressive Medication in Heart and Lung Transplantation

### **Section – VIII**

#### **Counseling / Coordinators**

Grief counseling of Donor Family – Mohan foundation  
Psychological issues of a patient with chronic diseases  
Recipient counseling  
Coordination Donation  
Recipient work up for organ transplantation-  
Principle of organ retrieves  
Organ preservation solutions  
Organ preservation techniques  
Organ Transportation  
Follow-up of Transplanted patient

### **Section – IX**

#### **Multi-organ transplantation**

Kidney and Pancreas  
Kidney and Liver

### **Section – X**

#### **BLS and ALS workshops**