

## Course Description

This course combines content addressing domains of cognitive ability, critical thinking, clinical practice, research and evidence-based practice. This clinical and certification test review is based on a topical outline from the American Board for Transplant Certification. This course is designed for the experienced transplant nurse to focus his or her review of transplant content in preparation for the professional certification examination. This course also serves as a concise clinical update on care of the transplant patient from initial evaluation for transplant candidacy through transplantation, postoperative care, hospital discharge and follow-up.

## Program Learning Outcomes

*This program prepares the learner to:*

- Articulate clinical and lab findings consistent with end-stage hepatic failure indicating possible transplant candidacy and make appropriate changes to the patient and family plan of care.
- Differentiate clinical and lab findings associated with organ rejection vs. acute infection.
- Identify potentially abnormal blood levels of immune-modulating agents and make appropriate recommendations for titration of therapy.
- Differentiate between hyperacute, acute and chronic rejection in the solid organ recipient and make appropriate recommendations for clinical management.
- Apply critical thinking strategies in managing the transplant patient in all phases of care from initial evaluation through transplant surgery, hospital discharge and follow-up.

## Agenda

*Sign-in begins at 7:30 am.* Each day includes a one-hour lunch (on your own), as well as a morning and afternoon break of 15 minutes each. The order of lectures presented and break times may vary according to speaker preference.

### Day 1, 8:00 am to 4:00 pm

0800 **Welcome and Introduction**

0815 **Pathophysiology of Hepatitis C**  
Hepatitis C Pathophysiology | Pathway to Hepatic Failure

0900 **Multiple Indications for Liver Transplantation**  
Fulminant Hepatic Failure | Hepatocellular Carcinoma | Toxin Exposure | MELD Score Factors and Calculation

0945 **Break**

1000 **Considerations for the Patient in Hepatic Failure or Preop Liver Transplant Patient**  
Multisystem Support | Neurologic Issues | Bleeding Issues

1045 **Clinical Effects of Organ Failure Consequent to Hepatic Injury**  
Brain Failure | Renal Consequences | Pulmonary Consequences | Hemodynamic Consequences

1200 **Lunch**

1300 **Kidney and Pancreas Transplantation**  
Kidney Transplant Indications | Pancreas Transplant Indications

1345 **Management Considerations for Kidney and Pancreas Recipients**  
Kidney Transplant Intraoperative Phase | Kidney Transplant Postoperative Phase | Pancreas Transplant Intraoperative Phase | Pancreas Transplant Postoperative Phase

*(continued)*

(continued)

- 1445 **Break**
- 1500 **Management Considerations for Kidney and Pancreas Recipients (cont.)**  
Immediate Postoperative Period: SICU | Bleeding | Oxygenation | Hemodynamic Status | Lab Studies | Complications | Transplant Floor
- 1600 **Adjourn**

## Day 2, 8:00 am to 4:00 pm

- 0800 **Immune System Physiology**  
Immune System Anatomy and Physiology | Organ Recipient Issues | Physiology of Organ Rejection
- 0845 **Immune Modulating Medications**  
Classes of Agents
- 0915 **Side Effects, Nursing Considerations and Indications of Immune Modulating Agents**  
Calcineurin Inhibitors | Cyclosporine | Immune Globulin | Steroids | Timing of Therapy
- 0945 **Break**
- 1000 **Assessment and Monitoring Parameters Associated with Post-transplant Complications**  
Heart Transplant | Liver Transplant | Kidney Transplant | Pancreas Transplant | Lung Transplant | Infectious Complications | Psychosocial Concerns
- 1200 **Lunch**
- 1300 **Clinical Findings of End-Stage Cardiac and Pulmonary Failure as Indications for Transplantation**  
Cardiac Failure | Pulmonary Failure
- 1430 **Break**
- 1445 **Patient and Family Education**  
Pre-Transplant Education | Post-Transplant Education | Discharge Planning
- 1545 **Ethical Considerations**  
Confidentiality
- 1600 **Adjourn**

## Accreditation

**RN/LPN/LVN/Other: 13 Contact Hours**

***Includes 3 Pharmacology Contact Hours***

MED-ED, Inc is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation.

MED-ED, Inc. is an approved provider by the following State Boards of Nursing: **Florida**/FBN 50-1286, **Iowa**/296, **California** #CEP10453.

If your profession is not listed, we suggest contacting your board to determine your continuing education requirements and ask about reciprocal approval. Many boards will approve this seminar based on the accreditation of the boards listed here.

© 2023 MED-ED, Inc. All rights reserved.

