

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.

Key Learning Outcome

- After completing the program, 80% of participants will report an increase in knowledge and confidence necessary to pass the certification exam.

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

Welcome and Introduction

Pathophysiology of Hepatitis C

Hepatitis C Pathophysiology | Pathway to Hepatic Failure

Multiple Indications for Liver Transplantation

Fulminant Hepatic Failure | Hepatocellular Carcinoma | Toxin Exposure | MELD Score Factors and Calculation

Considerations for the Patient in Hepatic Failure or Preop Liver Transplant Patient

Multisystem Support | Neurologic Issues | Bleeding Issues

Clinical Effects of Organ Failure Consequent to Hepatic Injury

Brain Failure | Renal Consequences | Pulmonary Consequences | Hemodynamic Consequences

Kidney and Pancreas Transplantation

Kidney Transplant Indications | Pancreas Transplant Indications

Management Considerations for Kidney and Pancreas Recipients

Kidney Transplant Intraoperative Phase | Kidney Transplant Postoperative Phase | Pancreas Transplant Intraoperative Phase | Pancreas Transplant Postoperative Phase

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Management Considerations for Kidney and Pancreas Recipients (cont.)

Immediate Postoperative Period: SICU | Bleeding | Oxygenation | Hemodynamic Status | Lab Studies | Complications | Transplant Floor

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

Immune System Physiology

Immune System Anatomy and Physiology | Organ Recipient Issues | Physiology of Organ Rejection

Immune Modulating Medications

Classes of Agents

Side Effects, Nursing Considerations and Indications of Immune Modulating Agents

Calcineurin Inhibitors | Cyclosporine | Immune Globulin | Steroids | Timing of Therapy

Assessment and Monitoring Parameters Associated with Post-transplant Complications

Heart Transplant | Liver Transplant | Kidney Transplant | Pancreas Transplant | Lung Transplant | Infectious Complications | Psychosocial Concerns

Clinical Findings of End-Stage Cardiac and Pulmonary Failure as Indications for Transplantation

Cardiac Failure | Pulmonary Failure

Patient and Family Education

Pre-Transplant Education | Post-Transplant Education | Discharge Planning

Ethical Considerations

Confidentiality

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 (**ANCC**).

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.

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