

Course Description

The purpose of this program is to provide a basic overview of common adult complications encountered in the in-patient environment. We will discuss clinical assessment findings, as well as various etiologies that contribute to these conditions. This course will review the spectrum of chest pain, causes and treatment as well as provide an in-depth review of acute coronary syndromes. The review will be of the various types of heart failure, differentiating between systolic and diastolic dysfunction, as well as treatment recommendations. Infectious endocarditis will be outlined with specifics for diagnosis and nursing care. Laboratory data will be reviewed as an assessment tool for nurses at the bedside.

This course will also discuss pulmonary assessment skills, as well as a thorough review of arterial blood gas analysis and interpretation. Renal failure will also be reviewed; discussing the incidence and causes of both acute and chronic renal failure. We will end the course with a review of current data related to patients with sepsis—recognizing the signs and discussing early goal-directed therapy. Emphasis will be placed on early recognition and initiation of recommended protocols to improve patient outcomes.

Program Learning Outcomes

This program prepares the learner to:

- Self-report at a 90% rate an increase in knowledge and skills in caring for the critically ill patient.

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 4:30 pm

Introduction

Standards of Critical Care Nursing | Review of Vital Signs | Review of Rapid Response Principles | When Patient Condition Changes | VOMIT | Positioning of Patient | Hemodynamic Status

Cardiac Review

Chest Pain Differential | CAD | Stable and Unstable Angina | NSTEMI | STEMI | Diagnosis and Treatments | Emergency and Chronic Follow-Up

Heart Failure

Definitions | Diagnosis | Acute and Chronic Treatments | Nursing Assessments and Treatment | Ventricular Assist Devices | Endocarditis

Review of Pulmonary

Assessment | Causes of Shortness of Breath | Oxygen and Inhalation Therapy | Indications for Intubation

Assessment of Acute Respiratory Insufficiency

Pneumonia | Pleural Effusion | Chest-Tube Management | Pulmonary Edema and Embolism

Agenda

Day 2, 8:00 am to 4:30 pm

Renal Failure

Etiology, Recognition and Treatment | Assessing Renal Function | Stages of Acute Kidney Injury and Failure | Electrolytes and Metabolic Acidosis

Review of Stroke Data and ACLS Guidelines

Assessment Tools | Stroke Types and Frequency | Rapid Response to Change in Mental Status | Glucose and Oxygen Assessment | Airway Assessment | Preparing for CT Scan and Transferring | ACLS Treatment Protocols

Assessment of Laboratory Data and Nursing Application

Serum Laboratory Findings | Electrolytes | Hematology | Coagulation Laboratory Findings | Assessing Fluid Balance | ABG Essentials

Endocrine Emergencies

SIADH | DI | DKA | HHNK

Sepsis: The New Guidelines

New Definitions | New Data on Fluid Administration | CVP and Ultrasound Evidence | Treatment Bundles of Care

Summary

Accreditation

RN/LPN/LVN/Other: 14 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 also approved by the American Association for Respiratory Care (AARC).

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

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