

The Advanced Care Concepts

Contact Hours: 13.5 CE



Introduction

Two full days of instruction provide an in-depth clinical understanding of many of the procedures performed on critically ill patients.

Hemodynamic monitoring is covered by discussing the various parameters obtained and the techniques of invasive and noninvasive monitoring. Case study examples are used with actual readings and clinical scenarios to incorporate an understanding of the values and the impact of pharmacologic interventions.

Rapid sequence intubation and mechanical ventilation are reviewed in detail including the indications and types of devices used, complications and nursing implications. In addition, arterial lines, central lines, pacemakers, dialysis and implantable cardioverter defibrillators are covered.

Principles behind evidenced based protocols for sepsis, diabetic ketoacidosis and induced hypothermia are reviewed. A beginning understanding of multisystem organ dysfunction is presented with a review of ARDS, DIC, hepatic and renal failure, pancreatitis, myocardial depression, and cerebral dysfunction.

Objectives

1. State the measurements and implications associated with various hemodynamic parameters.
2. State the indications for direct arterial monitoring, the principles of catheter placement and use, and potential complications.
3. Explain the indications for mechanical ventilation, types of ventilators and settings used, and noninvasive alternatives to intubation.
4. Describe the assessment parameters and nursing care aspects to be followed in caring for a ventilated patient.
5. Describe the potential complications associated with ventilator patients, recognition of clinical signs, and management of complications.
6. State the nursing management principles of a patient receiving intravenous therapy via a central line.
7. Describe the general indications for pacemakers and the types and settings that can be used.
8. State the nursing implications during insertion and care of the patient with a temporary or permanent pacemaker.
9. State the types of permanent pacemakers used and methods to evaluate function and detect complications.

10. Describe the uses of an implantable cardioverter-defibrillator, the function of the unit, and the nursing care aspects of patients with an ICD.
11. State the general principles of dialysis therapy.
12. Describe the management of the patient on long-term hemodialysis including nursing implications, potential complications, and care of the hospitalized dialysis patient.
13. Describe the management of patients in diabetic ketoacidosis.
14. Identify the important aspects of caring for patients with sepsis and multiple organ dysfunction.
15. Describe the management of induced hypothermia patients.

**Recent seminar participants had this to say about
“Advanced Care Concepts”:**

“This seminar has increased my knowledge to further advance my assessment skills while caring for critically ill patients.”



“Hemodynamic monitoring was especially interesting. The tables for arterial lines/hemodynamic monitoring were very helpful along with the mini quizzes in the handout.”

“Excellent handout, case studies and power point. The information presented here will be invaluable when I am floated to the Intensive Care Unit.”

The instructor was very knowledgeable with a relaxed teaching style. Able to stimulate lots of questions from participants and really brought the information to the clinical setting.”

“This was an excellent session! I learned the rationale behind all these critical situations and how to critically think through them to provide effective care. I feel much more confident that I can initiate ventilation, pacemakers, arterial lines, and hypothermia effectively. I loved the interactive case studies!”



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Educational Concepts, LLC is an approved provider of continuing nursing education by the Ohio Nurse’s Association. Visit our web site for CE activities, on-line programs and seminars.

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