



EDUCATA

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From Vent to Rehab: Treatment of the ICU Patient

Part II: Understanding Diagnostic Testing, Including Lab Assessment and Priorities in Treatment

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Note to Participants: There are interactive pop-up questions throughout this lecture. If you choose to pause the lecture and return at a later time, a natural break time would be after answering the interactive questions. (You are able to pause at any time and the presentation will "remember" where you were. It's just a more natural time to pause after the interactive questions.) For your convenience, this outline reflects where/when within the lecture the interactive questions occur.

This lecture has 107 slides and is 169 minutes in duration.

I. Assessment of chart findings

A. Diagnostic tests

1. Cardiac testing

- a. Holter monitor
- b. Echocardiography
- c. Chest x-ray
- d. 12 lead ECG
- e. Exercise testing
- f. Stress thallium
- g. Coronary catheterization
- h. Intravascular ultrasound imaging (IVUS)
- i. Multi-slice CT

2. Pulmonary tests

- a. Chest x-ray
- b. Bronchiography
- c. CT and spiral CT
- d. Ventilation-perfusion scans
- e. Pulmonary function testing

Interactive Questions — slide 44 @ 60 minutes

B. Laboratory information

1. Arterial blood gases (ABGs)

- a. Acidosis
- b. Alkalosis
- c. Respiratory system vs. metabolic system
- d. Case examples

2. Complete blood count

3. Cardiac-specific lab values
4. Liver enzymes
5. Other heart/kidney values
6. Blood coagulation
7. Nutrition values
8. Electrolytes

Notes

Interactive Questions — slide 60 @ 91 minutes

- II. Physical assessment of the ICU patient
 - A. Bedside assessment
 - B. Vital sign responses to activity
- III. Developing a plan of care
 - A. Treatment priorities
 - 1. For general patients
 - 2. For mechanically ventilated patients
 - B. Goals of treatment
 - C. Requirements for early activity
 - D. Interventions for pulmonary problems
 - 1. Incentive spirometry
 - 2. Breathing exercises
 - E. Airway clearance devices
 - F. Monitoring and titrating

Interactive Questions — slide 85 @ 143 minutes

- G. Mobility aids
 - 1. Dynamic tilt tables
 - 2. Overhead device
 - 3. Standing aids
- H. Exercises for
 - 1. Improving mobility and posture
 - 2. Strength
 - 3. Flexibility
- I. Interventions for cardiac patients
- J. Evidence for exercise
- K. Case studies

Interactive Questions — slide 105 @ 167 minutes

Notes

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