



Equipment & Procedures

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Course Description

Navigate Respiratory Care: Equipment & Procedures is one of the 10 online courses in the **Navigate Respiratory Care** curriculum. This course introduces students to the many types of equipment used in respiratory care and how to use them in clinical practice. It discusses various procedures as well as safety and infection control to be used in any patient contact.

Course Content

- NBRC Correlation Matrix
- Course Objectives
- Interactive Lectures with Audio
- Interactive Practice Activities and Quizzes
- Icons to highlight important information—
infection control, safety, caution, legal,
and ethical
- Lesson Case Study
- Lesson Assignment
- Lesson Summary
- Lesson Discussion Questions
- Final Quiz
- Web Links and References

Course Outcome

Navigate Respiratory Care: Equipment & Procedures provides students with essential knowledge of the equipment and techniques used in the treatment of cardiopulmonary disease, including basic knowledge and skills of airway care.

Course Objectives

1. Describe infection control particularly as it relates to the handling of equipment and the performance of procedures.
2. Discuss the role of therapeutic gases in the treatment of respiratory disorders and diseases.
3. Identify the indications for oxygen therapy.
4. Describe the various devices used for oxygen therapy.
5. Discuss the limitations of oxygen therapy.
6. Identify the importance of helium, oxygen, and carbon dioxide as therapeutic gases in respiratory therapy.
7. Explain the various therapies used in respiratory care.
8. Describe the indication and use of bland aerosol therapy.
9. Discuss the devices used in and the administration of aerosolized drugs in respiratory therapy.
10. Explain the therapies used to promote bronchial hygiene.
11. Describe lung expansion therapy and its indications for use.
12. Explain nasopharyngeal and oropharyngeal airway devices and how they are inserted and managed.
13. Discuss the management of intubation.
14. Explain the procedure performed in a tracheostomy and how patients with a trach are managed.
15. Describe the weaning and extubation procedures.

Optional Textbooks to Accompany Course

Equipment for Respiratory Care
by Volsko, Chatburn, and El-Khatib
ISBN-13: 978-1-4496-5283-8 • © 2015

Handbook of Respiratory Care
by Chatburn and Mireles-Cabodevila
ISBN-13: 978-0-7637-8409-6 • © 2011

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