

RSPT 61C: HOME & REHABILITATIVE RESPIRATORY CARE

Foothill College Course Outline of Record

| Heading | Value |
|-------------------------|---|
| Effective Term: | Summer 2022 |
| Units: | 2 |
| Hours: | 2 lecture per week (24 total per quarter) |
| Degree & Credit Status: | Degree-Applicable Credit Course |
| Foothill GE: | Non-GE |
| Transferable: | CSU |
| Grade Type: | Letter Grade Only |
| Repeatability: | Not Repeatable |

Student Learning Outcomes

- Create a patient care plan for a respiratory patient.
- Compare and contrast home positive pressure ventilators, negative pressure ventilators and ICU style positive pressure ventilators.

Description

Introduction to rehabilitative respiratory care. Discussion of respiratory therapy procedures and equipment used in the treatment of home care patients. Intended for students in the Respiratory Therapy Program; enrollment is limited to students accepted in the program.

Course Objectives

The student will be able to:

1. Write a patient care plan for a respiratory patient.
2. Create a lesson plan appropriate for patient education.
3. Design a basic respiratory rehabilitation program.
4. Discuss the negative affects of smoking and the benefits of quitting.
5. Create a discharge plan for a respiratory patient.
6. State indications for the use of home oxygen therapy.
7. Compare and contrast home positive pressure ventilators, negative pressure ventilators and ICU style positive pressure ventilator.
8. State set-up, maintenance, troubleshooting and aseptic procedures for home care equipment.
9. Discuss the importance of proper nutrition and ways to improve the home care patient's eating habits.
10. Discuss psychosocial, ethical, compliance, and age related issues as they apply to home care patients.

Course Content

1. Patient care plans
 - a. Purpose of plan
 - b. Format of plan
 - c. Patient assessment techniques
 - d. How to utilize patient care plans
2. Lesson plans

- a. Purpose of plan
 - b. Format of plan
 - c. Special considerations for respiratory patients
 - d. Introduction to teaching techniques
3. Rehabilitation programs
 - a. Benefits of rehabilitation programs
 - b. Components of program
 - c. Personnel required
 - d. Equipment and facilities required
 - e. Educational component
 - f. Assessments and goal setting
 - g. Out patient vs. in patient programs
 4. Smoking cessation
 - a. Hazards of smoking
 - b. Benefits of quitting
 - c. Role of respiratory therapist in smoking cessation programs
 - d. Coping strategies
 - e. How to promote success
 5. Discharge planning
 - a. Importance of plan
 - b. Components of plan
 - c. Members of planning team
 - d. Role of home care company in discharge planning
 6. Home oxygen therapy
 - a. Supply systems
 - b. Administration devices
 - c. Oxygen conserving devices
 - d. Medicare reimbursement requirements
 - e. Home evaluation
 - f. Benefits of home oxygen therapy
 7. Home mechanical ventilation
 - a. Positive pressure machines
 - b. Negative pressure devices
 - c. Positive pressure machines vs. negative pressure devices
 - d. Home ventilation vs. ICU mechanical ventilation
 - e. Benefits of home mechanical ventilation
 8. Additional home respiratory equipment
 - a. Apnea monitors
 - b. Oximetry
 - c. Suction
 - d. Peak flow meters
 - e. CPAP
 - f. BiPAP
 - g. Small volume nebulizers
 - h. Large volume nebulizers
 - i. IPPB
 9. Nutrition
 - a. Causes of malnutrition
 - b. Problems associated with malnutrition
 - c. Obesity
 - d. Fluid needs
 - e. Methods to improve appetite

- f. Foods to avoid
 - g. Special diets
10. Other considerations for home care patients
- a. Aseptic technique
 - b. Home environment evaluations
 - c. Patient compliance issues
 - d. Elderly patients
 - e. Pediatric patients
 - f. Psychosocial issues
 - g. Ethical issues

Lab Content

Not applicable.

Special Facilities and/or Equipment

1. CPAP generators and associated patient attachment devices. Oxygen therapy equipment.
2. When taught online, students must have access to a computer with internet access.

Method(s) of Evaluation

Methods of Evaluation may include but are not limited to the following:

Quizzes
Written papers
Midterm and final exam

Method(s) of Instruction

Methods of Instruction may include but are not limited to the following:

Lecture

Representative Text(s) and Other Materials

Hodgkin, J.. Pulmonary Rehabilitation: Guidelines to Success, 4th ed.. 2008.

While this text is over five years old, it still represents the standard in the field.

Types and/or Examples of Required Reading, Writing, and Outside of Class Assignments

Assigned readings from textbook: approximately one chapter per week, averaging 30-40 pages.

Discipline(s)

Respiratory Technologies