RSPC A192: CLINICAL LAB 2

Item	Value
Curriculum Committee Approval Date	12/06/2024
Top Code	121000 - Respiratory Care/Therapy
Units	2.5 Total Units
Hours	144 Total Hours (Lab Hours 144)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Open Entry/Open Exit	No
Grading Policy	Pass/No Pass (B)

Course Description

Continued applications of procedures and concepts of basic clinical therapy presented in the first year of the respiratory care program. Application and skills evaluations in advanced administration of aerosol therapy, pharmacological agents, airway clearance, medical gases, arterial blood gas sampling, and patient assessment. PREREQUISITE: RSPC A190 and RSPC A191. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Apply clinical floor therapeutic modalities focusing on increased assessment skills along with affective qualities of time management, patient care, and departmental protocols.

Course Objectives

- 1. Assess patient condition for current status and need for proper therapy.
- 2. Perform proper assessment tests and evaluate data.
- 3. Administer and assess response to Incentive spirometry therapy.
- 4. Demonstrate set up, administration and assessment of aerosol therapies.
- 5. Demonstrate set up, administration and assessment of humidity therapy.
- 6. Demonstrate set up, administration and assessment of oxygen therapy.
- 7. Demonstrate application and assessment of airway clearance and lung expansion techniques.
- 8. Demonstrate set up, application and assessment of Intermittent Positive Pressure Breathing, as available at clinical site.
- 9. Apply, assess and analyze medical gas therapy.
- 10. Perform and evaluate basic bedside pulmonary spirometry.
- 11. Demonstrate and perform arterial blood gas draw, analysis, and interpretation.
- 12. Maintain and perform entry into medical records.
- 13. Describe and apply appropriate infection control techniques used in the handling of medical equipment.
- 14. Demonstrate use of various isolation precautions as it applies to the care of the patient.
- 15. Demonstrate appropriate communication skills.
- 16. Demonstrate and maintain proper professional appearance and attitude.

Lecture Content

Patient assessment skills Pre-post therapies Pulse Ventilation status Auscultation Observational Subjective data Measured skills Peak flow Volume measurements Cardiac measurements Oxygenation status Application of therapeutic modes Aerosol therapies Hand held nebulizer Metered Dose Inhaler Continuous flow therapies Humidity therapy Cold humidifiers Heated humidifiers Airway Clearance and Lung Expansion Techniques Chest Physiotherapy Mechanical application Hand techniques High Frequency Chest Oscillation PEP therapy Intermittent Positive Pressure Breathing, as available Equipment set up Patient application and assessment Modification of settings Medical gases Application of devices Modification of devices Arterial blood gas Draw arterial blood Analysis of results Interpretation of results Pharmacological agents Types of agents used in therapies Physiologic effects Side effects Dosage Therapy assessment Rational for therapy Determination of effectiveness Alternatives Adverse reactions and response Infection Control Equipment Handling Isolation Practices Communication Verbal communication Patient and family Health care team staff SBAR Physicians Written communic ation Chart Department records Professionalism Attire Attitude Presentation

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Method(s) of Instruction

- Lab (04)
- Field Experience (90)
- Non-Directed Clinical (NDR)

Instructional Techniques

Students' active participation and application to patient care. Individual activities with preceptor and instructor, along with discussion and feedback.

Reading Assignments

Reading will take place in the clinical setting by using department reference material and by analysis of patient charts.

Writing Assignments

Critical thinking is developed though pretherapy patient assessment, therapeutic technique, and analysis of patient response. These are reflected in written charting documentation.

Out-of-class Assignments

This is a hands-on clinical practice at assigned hospitals.

Demonstration of Critical Thinking

Demonstration and assessment of defined clinical performance skills, case study

Required Writing, Problem Solving, Skills Demonstration

Critical thinking is developed though pretherapy patient assessment, therapeutic technique, and analysis of patient response. These are reflected in written charting documentation.

Eligible Disciplines

Respiratory technologies: Any bachelor's degree and two years of professional experience, or any associate degree and six years of professional experience.

Other Resources

1. RSPC A192 Clinical Skills Packet Clinical Activities Log