

Course Competency

RET 2275L RESPIRATORY CARE THEORY LABORATORY 2

Course Description

Laboratory for RET 2275. Corequisite: RET 2275. Laboratory fee. (2 hr. lab)

Course Competency	Learning Outcomes
<p>Competency 1: The student will demonstrate establishing a patent airway and perform manual ventilation on simulated breathless patient by:</p>	<ol style="list-style-type: none"> 1. Communication 2. Critical thinking 3. Information Literacy
<ol style="list-style-type: none"> 1. Demonstrating how to determine breathlessness and restore a patient's airway using the head-tilt-chin-lift technique 2. Selecting and inserting the proper size oropharyngeal airway in a mannequin 3. Assessing the function of a BVM and prepare it for use on a breathless, non-intubate patient a. Connect to oxygen b. Fit with the proper mask 4. Performing manual ventilation on a mannequin using a BVM a. Correctly place the mask on the patient's face and use the "C/E" gripping technique in order to create a tightly fitted seal for ventilation and simultaneously apply a head-tilt-chin-lift during manual ventilation b. Deliver a tidal volume adequate to produce visible chest rise over 1 sec and a rate of 10-12 breaths per minute 5. Demonstrating CPR concept proficiency 	
<p>Competency 2: The student will identify, select, and demonstrate the use of various types of artificial airways by:</p>	<ol style="list-style-type: none"> 1. Communication 2. Numbers / Data 3. Critical thinking 4. Information Literacy 5. Ethical Issues

<ol style="list-style-type: none"> 1. Selecting and inserting the proper size nasopharyngeal airway into a mannequin 2. Inserting and utilizing esophageal-tracheal tubes/supraglottic airways to provide manual ventilation 3. Inserting and utilizing a “Laryngeal Mask Airway (LMA)” to provide manual ventilation 4. Inserting and utilizing a tracheostomy tube to provide manual ventilation 5. Providing general care for patient with tracheostomy tube 6. Identifying, preparing, and checking the equipment necessary to perform tracheal intubation <ol style="list-style-type: none"> a. Suction (regulator, canister, tubing, Yankauer) b. Laryngoscope and blade(s) c. Endotracheal tube (stylet, 10 cc syringe, lubricant) 7. Performing tracheal intubation <ol style="list-style-type: none"> a. Intubate b. Ventilate using a BVM c. Assess proper placement of endotracheal tube (ETT) d. Secure ETT e. Check ETT cuff pressure using a “Cufflator” 8. Describing the procedure for exchanging artificial airways 9. Performing ETT extubation 10. Accurately recording therapy and results using conventional terminology as required in the health care setting and/or regulatory agencies 	
<p>Competency 3: The student will demonstrate procedures related to removal of secretions from a patient’s upper or lower airway by:</p>	<ol style="list-style-type: none"> 1. Communication 2. Numbers / Data 3. Critical thinking 4. Information Literacy
<ol style="list-style-type: none"> 1. Selecting, assembling, and operating the equipment necessary to perform airway suctioning <ol style="list-style-type: none"> a. Suction regulator b. Suction canister c. Connecting tubing 2. Selecting the appropriate device (e.g., Yankauer, flexible suction catheter) for suctioning secretions from a patient’s upper or lower airway 	

<ol style="list-style-type: none"> 3. Conducting a proper assessment before, during, and after performing airway clearance 4. Safely performing nasotracheal and endotracheal suctioning 5. Assembling and use a “closed-sheath” suction catheter on a patient with an ETT, or a tracheostomy tube 6. Aseptically collecting a sputum specimen using an inline Lukens Trap during nasotracheal, ETT, or TT suctioning, and prepare the specimen for transport to the laboratory 7. Performing tracheostomy care 8. Accurately recording therapy and results using conventional terminology as required in the health care setting and/or regulatory agencies 	
<p>Competency 4: The student will demonstrate safe administration of lung expansion therapy in a simulated patient situation by:</p>	<ol style="list-style-type: none"> 1. Communication 2. Numbers / Data 3. Critical thinking 4. Information Literacy
<ol style="list-style-type: none"> 1. Conducting a proper assessment before, during, and after performing lung expansion therapy 2. Correctly utilizing incentive spirometer in a patient simulated scenario 3. Assembling and correctly delivering EZ-PAP therapy (with and without inline aerosol therapy) in a patient simulated scenario 4. Assembling and utilizing a continuous positive airway pressure device in a patient simulated scenario 5. Assembling, pressure checking, and utilizing an intermittent positive pressure breathing device to deliver lung expansion therapy in a patient simulated scenario 6. Accurately recording therapy and results using conventional terminology as required in the healthcare setting and/or regulatory agencies 	

<p>Competency 5: The student will demonstrate procedures necessary to administer bronchial hygiene therapy in a simulated patient situation by:</p>	<ol style="list-style-type: none"> 1. Communication 2. Numbers / Data 3. Critical thinking 4. Information Literacy
<ol style="list-style-type: none"> 1. Conducting a proper assessment before, during, and after performing lung expansion therapy 2. Demonstrating vibratory positive expiratory pressure (PEP) therapy, e.g., Acapella, Flutter Valve in a simulated patient situation 3. Demonstrating utilization of the High-Frequency Chest Wall Oscillator – “Chest Vest” 4. Demonstrating postural drainage by placing a simulated patient in all of the postural drainage positions 5. Demonstrating chest percussion by safely performing chest percussion and vibration 6. Demonstrating correct instruction various types of simulated patients (e.g., COPD, post-operative) in “Directed Cough” 7. Accurately recording therapy and results using conventional terminology as required in the healthcare setting and/or regulatory agencies 	

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