

Respiratory Care Curriculum
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FUN/4	<ol style="list-style-type: none"> 1. Define Key Terms 2. Discuss the purpose and importance of accurately assessing vital signs. 3. Identify and discuss the measurements that constitute vital signs and describe the relationship between them. 4. Explain terms used in the assessment and documentation of vital signs. 5. Demonstrate the ability to measure body temperature with variety of equipment and various body sites. 6. Identify areas for assessment of pulses. 7. Explain and discuss for determining respiratory status. 8. Explain and demonstrate procedure for obtaining accurate blood pressure. 9. Demonstrate the ability to document vital signs accurately. 	<p>T, P, R, & BP Graphic Record</p> <p>Physiology of body temperature Fahrenheit (F) scale Celsius (C) scale Oral, tympanic, axillary, rectal</p> <p>Examples: Temperature: Febrile, afebrile, crisis, lysis, intermittent/remittent fevers</p> <p>Respirations: dyspnea, apnea, labored, tachypnea,</p> <p>Pulses: Thready, tachycardia, bradycardia, irregular, bounding</p> <p>Glass thermometer Electronic thermometer Disposables thermometer Tympanic thermometer</p> <p>Apical Brachial</p>	<p>Lecture notes, handout, Film – therapeutic communication, and internet resources</p> <p>Resources/Activities: Handouts, Films: Managing Stress through Humor and Choice, group discussions and or activities</p> <p>Evaluation Method: Exam, active participation in class, quizzes written assignments</p> <p>ATI: Vital Signs: skills module</p>	<p>Textbook Resource: Cooper & Gosnell: Foundations of Nursing (7th Edition)</p> <p>Chapter 11 - Vital Signs</p>
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		Radial Femoral Popliteal Posterior tibial Pedal		
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					FUN/6			<p>Skills Lab Objectives:</p> <ol style="list-style-type: none"> 1. Demonstrate the techniques to be used for physical assessment. <ul style="list-style-type: none"> • Inspection • Palpation • Auscultation • Percussion 2. Identify equipment and supplies used in physical assessment. 3. Demonstrate techniques to prepare a patient for physical assessment. 4. Discuss techniques to maintain patient comfort during a physical assessment. 5. Practice head to toe assessment as detailed in Foundations of Nursing 7th ed.
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									<p>Textbook, Chapter 12 page 287-310.</p> <p>6. Demonstrate ability to recognize normal findings of head and neck, mouth and throat, eyes, ears, nose, chest, lungs, heart, vascular system, gastrointestinal, genitourinary system, and musculoskeletal system.</p> <p>7. Demonstrate the ability to document data collected, normal and abnormal findings appropriately on an organizational format.</p>
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FUN/4	<ol style="list-style-type: none"> Describe care of (procedure for) a patient with a tracheostomy. Differentiate among oropharyngeal, nasopharyngeal, and nasotracheal suctioning Explain the use of different types of 	<p>Artificial Airway Types</p> <p>Tracheostomy Indications Purpose</p> <p>Oxygenation Purposes Delivery System</p>	<p>Lecture notes, handout, Film – therapeutic communication, and internet resources</p> <p>Resources/Activities : Handouts, Films: Managing Stress</p>	<p>Cooper & Gosnell: Foundations of Nursing (6th Edition)</p> <p>Chapter 22 – Selected Nursing Skills, Oxygen</p>	FUN/4			<p>Skills Objectives:</p> <ol style="list-style-type: none"> Identify necessary equipment for performing tracheostomy care and suctioning. State indications for tracheostomy care and suctioning.
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	<p>tracheostomy tubes single cannula, cuffed, cuffless fenestrated, form cuff, metal tube.</p> <ol style="list-style-type: none"> 4. Discuss principles of safe competent tracheostomy care and suctioning 5. Oxygen Therapy: 6. State three major goals of oxygen therapy. 7. Discuss safety factors in oxygen therapy. 8. Identify sources of oxygen and functions of each. 9. Describe oxygen – delivery equipment for clients having difficulty breathing and 10. nursing implications for each. 11. Describe oxygen – delivery equipment for clients unable to breathe independently 12. and nursing implications for each. 		<p>through Humor and Choice, group discussions and or activities</p> <p>Evaluation Method: Exam, active participation in class, quizzes written assignments</p>	<p>Therapy, pp 645-658</p> <p>Chapter 22 – Selected Nursing Skills, Tracheostomy Care and Suctioning, pp 562 – 566</p> <p>(assignment for students online library web search related to mechanisms of breathing with a client with a trach)</p>				<ol style="list-style-type: none"> 3. Demonstrate ability to perform respiratory assessment. 4. Demonstrate proper positioning of patient needing tracheostomy care and suctioning. 5. Demonstrate and practice proper procedure of tracheostomy suctioning and care as detailed in Foundations of Nursing 7th ed., Chapter 22 page 653-661 skills procedure. 6. Demonstrate knowledge and ability to document pertinent information for the tracheostomy care and suctioning
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						MSI/ 16		<ol style="list-style-type: none"> 1. Identify common, overt, actual and potential primary health care needs of the clients/ patients with disorders of the: Respiratory, Cardiovascular, Blood, Lymph, Immune, Genitourinary and Gastrointestinal Systems. 2. Identify pharmacological agents and related nursing interventions when caring for clients / patients with disorders of the: Respiratory, Cardiovascular, Blood, Lymph, Immune, Genitourinary and Gastrointestinal Systems. 3. Compare and contrast diagnostic evaluation and treatment of the clients / patients with disorders of the Respiratory, Cardiovascular, Blood, Lymph, Immune, Genitourinary and Gastrointestinal Systems. 4. Utilize the nursing process in caring for clients / patients with disorders of the Respiratory, Cardiovascular, Blood,
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									Lymph, Immune, Genitourinary and Gastrointestinal Systems
MS I/ 5	<ol style="list-style-type: none"> List the data to be collected for the nursing assessment of the patient with a respiratory disorder. Describe the nurse's role when the following common therapeutic measures are instituted: administration of topical medications, irrigations, humidification, suctioning, tracheostomy care, and surgery. Explain the pathophysiology, signs and symptoms, complications, and medical or surgical treatment of selected respiratory disorders. Assist in developing nursing care plans for patients with respiratory disorders. Identify data to be collected in the nursing assessment of the patient with a respiratory disorder. Identify the nursing implications of age-related changes in the respiratory system. 	<p>Anatomy and Physiology of the Upper and Lower respiratory Tract</p> <p>Health History</p> <p>Physical Examination</p> <p>Physical Examination (cont.)</p> <p>Age-Related Changes in the Nose, Sinuses, and Throat</p> <p>Diagnostic Tests and Procedures</p> <p>Therapeutic Measures</p> <p>Common Therapeutic Measures</p> <p>Care of the Patient Having Nasal Surgery</p> <p>Inflammatory Conditions</p> <ul style="list-style-type: none"> • Sinusitis • Tonsillitis • Pharyngitis • Laryngitis • Viral rhinitis 	<p>Lecture notes, handout, and internet resources</p> <p>Resources/Activities:</p> <p>Handouts, films, group discussions and or activities</p> <p>Evaluation Method:</p> <p>Exams, quizzes, active participation in class, completion of written assignment</p> <p>Library Web search assignments--classifications</p>	<p>Linton: Introduction to Medical Surgical Nursing 6th edition</p> <p>Linton: Chapter 30 and 31</p> <p>Jones & Bartlett Learning: Nurse's drug Handbook 16th Edition</p> <p>ATI Integration Materials:</p> <p>Skills Module: Blood administration</p>					

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	<p>7. Describe diagnostic tests or procedures for respiratory disorders and nursing interventions.</p> <p>8. Explain nursing care of patients receiving therapeutic treatments for respiratory disorders.</p> <p>1. For selected respiratory disorders, describe the pathophysiology, signs and symptoms, complications, diagnostic measures, and medical treatment.</p>	<ul style="list-style-type: none"> • Bronchitis • Influenza • Pneumonia • Pleurisy (Pleuritis) <p>Trauma</p> <ul style="list-style-type: none"> • Pneumothorax • Hemothorax • Pneumo-hemothorax • Pyothorax • Fractures • Flail chest <p>Pulmonary Embolus</p> <p>ARDS (Acute respiratory distress Syndrome)</p> <p>Cancer of the Upper respiratory tract</p> <p>Care of the patient having Upper Respiratory Tract Surgery</p> <p>Routine Preop Nursing care</p>						
PE/3 (MS I)	<p>1. Identify important aspects of patient education n for patients receiving drug therapy for lower respiratory disease.</p> <p>2. Distinguish the mechanisms of action of</p>	<p>Review of:</p> <p>Anatomy and Physiology</p> <p>Common Conditions affecting lower respiratory tract</p>	<p>Lecture notes, handout, and internet resources</p> <p>Resources/Activities:</p>	<p>Linton: Introduction to Medical Surgical Nursing 6th edition</p> <p>Clayton: Basic Pharmacology for</p>	MSI/2			<p>1. List indications for chest tube placement</p> <p>2. List supplies needed if assisting with chest tube placement at the bedside</p>

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	<p>expectorants, antitussives, and mucolytic agents.</p> <p>3. Identify the nursing assessments needed to monitor therapeutic response and the development of adverse effects from expectorant, antitussive, and mucolytic therapy.</p> <p>4. Describe the nursing assessments needed to monitor therapeutic response and the development of adverse effects from beta-adrenergic bronchodilator therapy.</p> <p>5. Discuss the nursing assessments needed to monitor therapeutic response and the development of adverse effects from anticholinergic bronchodilator therapy.</p> <p>6. Identify what lower respiratory conditions anticholinergic bronchodilators, xanthine derivative, and corticosteroid inhalant therapy are used for.</p>	<p>Nursing assessment and care of the patient with lower respiratory tract disease</p> <p>Drug class and nursing care:</p> <ul style="list-style-type: none"> • Expectorants • Antitussives • Mucolytic agents • Bronchodilators • Antiinflammatory agents • Immunomodulators • Potassium iodide Saline solutions 	<p>Handouts, films, group discussions and or activities</p> <p>Evaluation Method:</p> <p>Exams, quizzes, active participation in class, completion of written assignment</p> <p>Library Web search assignments--classifications</p>	<p>Nurses, 16th Edition</p> <p>Linton: Chapter 30, 31 and 32</p> <p>Clayton: Chapter 30</p> <p>Mosby's Drug Guide</p> <p>ATI Integration Materials</p>				<p>3. Identify the different parts of a pleural drainage device</p> <p>4. Demonstrate ability to correctly set up and maintain pleural drainage device</p> <p>5. Identify data to be collected in the nursing assessment of the patient with a chest tube</p> <p>6. Describe possible complications related to chest tube management</p> <p>Explain the nursing care of patients with a chest tube</p>
					MSI/2			<p>1. List the indications for oxygen therapy</p> <p>2. Describe the different types of oxygen delivery</p>

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								<p>systems and the amount of oxygen delivered for each</p> <p>3. Demonstrate the appropriate use and response and the development of adverse effects from anticholinergic bronchodilator therapy.</p> <p>4. Identify what lower respiratory conditions anticholinergic bronchodilators, xanthine derivative, and corticosteroid inhalant therapy are used for. placement of oxygen delivery devices</p> <p>4. Demonstrate ability to assess patient's response to oxygen delivery</p> <p>5. Demonstrate measures needed to safely deliver oxygen</p> <p>6. Describe nursing interventions for care of</p>
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