

**Covenant School of Nursing**  
**Instructional Module 4 Learning Guide**  
**Topic: Immune Disorders**

<b>Learning Goals/Outcomes</b>
Upon completion of this lesson, you will be able to: <ul style="list-style-type: none"><li>• Describe the functions and components of the immune system.</li><li>• Identify the clinical manifestations, interprofessional care, and nursing management of Rheumatoid Arthritis (RA), Systemic Lupus Erythematosus (SLE), and Human Immunodeficiency Virus (HIV).</li><li>• Describe the pathophysiology of RA/SLE/HIV and the role of specific therapies in the management of each disorder.</li><li>• Demonstrate the ability to assess, plan, implement, and evaluate nursing interventions associated with each specific disorder.</li></ul>
<b>Pre-Class Preparation</b>
Required: Text: <i>Lewis (11<sup>th</sup> ed)</i> <ul style="list-style-type: none"><li>o Chapter 13: Altered Immune Responses and Transplantation (p. 191-200 &amp; p. 204-206)</li><li>o Chapter 14: Infection and Human Immunodeficiency Virus Infection (p. 218-233)</li><li>o Chapter 64: Arthritis and Connective Tissue Diseases (p. 1525-1532 &amp; p. 1538-1542)</li></ul> Text: <i>Lehne (10<sup>th</sup> ed.)</i> <ul style="list-style-type: none"><li>o Chapter 69: Immunosuppressants</li><li>o Chapter 73: Drug Therapy for Rheumatoid Arthritis</li><li>o Chapter 94: Antiviral Agents II: Drugs for HIV Infection and Related Opportunistic Infections</li><li>o Key Points and Summary of Nursing Implications at the end of Chapters 71 &amp; 72</li></ul> Additional Resources: <ul style="list-style-type: none"><li>• American College of Rheumatology <a href="http://www.rheumatology.org/">http://www.rheumatology.org/</a></li><li>• Arthritis Foundation <a href="http://www.arthritis.org/">http://www.arthritis.org/</a></li><li>• Lupus Foundation of America <a href="http://www.lupus.org">http://www.lupus.org</a></li><li>• US Dept of Health &amp; Human Services <a href="http://aidsinfo.nih.gov/">http://aidsinfo.nih.gov/</a></li></ul>
<b>Learning Activities</b>
Classroom Activities: <ul style="list-style-type: none"><li>▪ Lecture</li><li>▪ Case Studies</li><li>▪ Discussion</li><li>▪ Collaborative Learning</li></ul> Laboratory/Clinical Activities: <ul style="list-style-type: none"><li>▪ Participate in the care of a patient with immune system disorder in the clinical setting.</li></ul> Out of Class/Computer Assisted Activities: <ul style="list-style-type: none"><li>▪ HESI Material: Refer to “HESI Across the Module”</li></ul>
<b>Evaluation Methods</b>
<ul style="list-style-type: none"><li>▪ Exam</li><li>▪ Clinical Performance Evaluation</li><li>▪ Collaborative Learning</li><li>▪ HESI Graded Adaptive Quizzing Activity: Immune Disorders</li><li>▪ HESI Fundamentals Proctored Exam</li></ul>

<b>Texas DECs</b>	<b>QSEN Competencies</b>
<p><b>Knowledge:</b></p> <p>I. Member of the Profession: A.1a-c, A.2-4; B.1.a,b,e; B.2.a,b; B.3; B.4; B.5; B.6.a; B.7a-c; B.8; D.2.</p> <p>II. Provider of Patient-Centered Care: A.1- 4; B.1-7,10,11; B.10 - 12; C.1- 8; D.1-5; E.1-13; F.1-2; G.1-3; H.3,5-6; .</p> <p>III. Patient Safety Advocate: A.1-5; B.1-4; C.1-2; D.1.a-c; F.1-2.</p> <p>IV. Member of the Health Care Team: A.1-2, 4.b, 5; B.3.b; C.1, 3- 8; D.1-4; E.1-3; F.1- 4; G.1-4</p> <p><b>Clinical Judgments and Behaviors:</b></p> <p>I. Member of the Profession: A.1, 2, 3a,b; B.2.a,b; B.3a-c; B.4a,c; B.5.a,c; B.6.a,c; B.7; B.8; B.9; C.2; C.3c; C.4 D.1; D.2; D.3.</p> <p>II. Provider of Patient-Centered Care: A.1-4; B.1-8; C.1-7; D.1-4; E.1-13; F.1-6; G.1-7; H.3, 5a, 6; .</p> <p>III. Patient Safety Advocate: A.3-4; B.1-9; C.1-3; D.1-3.; F.1-3.</p> <p>IV. Member of the Health Care Team: A.1-3; B.1-3, 5; C.1-4; D.1-2; E.1-4.</p>	<ul style="list-style-type: none"> <li>▪ Patient-Centered Care</li> <li>▪ Teamwork &amp; Collaboration</li> <li>▪ Evidence Based Practice</li> <li>▪ Quality Improvement</li> <li>▪ Safety</li> <li>▪ Informatics</li> </ul>
<b>IM4 Student Learning Outcomes</b>	<b>NCLEX Test Plan</b>
<ol style="list-style-type: none"> <li>1. Implement a plan of care that integrates adult patient-related data and evidence-based practice.</li> <li>2. Communicate effectively with members of the healthcare team.</li> <li>3. Apply evidence based research in nursing interventions.</li> <li>4. Incorporate nursing and healthcare standards with dignity and respect when providing nursing care.</li> <li>5. Recommend resources most relevant in the care of patients with health impairments.</li> <li>6. Participate in the development of interprofessional plans of care.</li> <li>7. Evaluate the effectiveness of teaching plans implemented during patient care.</li> <li>8. Deliver effective nursing care to patients with multiple healthcare deficits.</li> </ol>	<p><b>Safe/Effective Care Environment:</b></p> <ul style="list-style-type: none"> <li>▪ <i>Management of Care:</i> Advocacy, Assignment, Delegation &amp; Supervision, Collaboration with Interdisciplinary Team, Confidentiality/Information Sharing, Establishing Priorities, Ethical Practice, Information Technology</li> <li>▪ <i>Safety &amp; Infection Control:</i> Accident/Error/Injury Prevention, Handling Hazardous/Infectious Materials, Home Safety, Standard Precautions/Surgical Asepsis</li> </ul> <p><b>Health Promotion/Maintenance:</b></p> <ul style="list-style-type: none"> <li>▪ Aging Process, Health Promotion/Disease Prevention, Self-care, Techniques of Physical Assessment</li> </ul> <p><b>Psychosocial Integrity:</b></p> <ul style="list-style-type: none"> <li>▪ Sensory/Perception Alteration, Therapeutic Communication, Therapeutic Environment</li> </ul> <p><b>Physiological Integrity:</b></p> <ul style="list-style-type: none"> <li>▪ <i>Basic Care &amp; Comfort:</i> Mobility/Immobility, Non-Pharmacological Comfort Interventions, Nutrition &amp; Hydration, Personal Hygiene, Rest and Sleep</li> <li>▪ <i>Pharmacological Therapies:</i> Adverse/Contraindications/Side Effects/Interactions, Expected Actions &amp; Outcomes, Medication Administration, Parenteral/Intravenous Therapies</li> <li>▪ <i>Reduction of Risk Potential:</i> Changes/Abnormalities in Vital Signs, Diagnostic Tests, Laboratory Values, System Specific Assessments, Therapeutic Procedures</li> <li>▪ <i>Physiological Adaptation:</i> Alteration in Body Systems, Illness Management, Pathophysiology</li> </ul>
<b>Concepts</b>	<b>Faculty</b>
Cellular Regulation, Comfort, Functional Ability, Immunity, Mobility, Coping, Clinical Judgment, Health Promotion, Patient Education, Safety	T. Nesbitt, DNP, RN, CNE
<b>Date originated:</b> 2/9/16	<b>Revision Dates:</b> 8/26/16, 9/5/17, 9/4/18, 7/24/19, 11/14/19, 10/23/20, 9-11-21; 10-3-22, 8-1-23