

**Covenant School of Nursing**  
**Instructional Module 5 Learning Guide**  
**Topic: Musculoskeletal Dysfunction in Children**

| <b>Learning Goals/Outcomes</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Upon completion of this lesson, you will be able to: <ul style="list-style-type: none"><li>• Develop a teaching plan for the parents of a child in a cast or traction</li><li>• Compare and contrast developmental dysplasia of the hip and Legg-Calvé-Perthes disease</li><li>• Summarize the nursing care for a child with osteomyelitis, scoliosis, club foot, and/or juvenile arthritis</li></ul>                                                                                                                                                            |
| <b>Pre-Class Preparation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Required: Hockenberry, M. & Wilson, D. Wong's essentials of pediatric nursing (11th ed.). St. Louis: Mosby Elsevier <ul style="list-style-type: none"><li>• Chapter 29: Table 29-1 Summary of Physical Effects of Immobilization with Nursing Interventions</li><li>• Chapter 29: Box 29-3 Compartment Syndrome Evaluation</li><li>• Chapter 29: Nursing Care Guidelines – Traction Care</li><li>• Chapter 29: Nursing Alert Box for amputation</li><li>• Chapter 29: Clubfoot</li></ul> Additional Resources: <ul style="list-style-type: none"><li>•</li></ul> |
| <b>Learning Activities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Classroom Activities: <ul style="list-style-type: none"><li>• Classroom Activities: Lecture, Discussion</li></ul> Laboratory/Clinical Activities: <ul style="list-style-type: none"><li>•</li></ul> Online/Out of Class Activities: <ul style="list-style-type: none"><li>• HESI Compound Fracture Case Study</li></ul>                                                                                                                                                                                                                                          |
| <b>Evaluation Methods</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <ul style="list-style-type: none"><li>• Exam</li><li>• HESI RN Specialty Exam – Pediatric Nursing</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

| <b>Texas DEC's</b>                                                                                                                                                                                                                     | <b>QSEN Competencies</b>                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Knowledge</b><br>IIA1,2, IIA2b, IIB2, 4, 7, IIC3,6, IIE<br>1a, ,5,12,13, IIF2, IIG1a<br><b>Clinical Judgement/Behaviors</b><br>IIA 1,2, IIB 2, 5, 7: IIC1,2,3a, IIE 12a, b; IIF<br>1a,1b,4,6; IIG 1,3,5a,5b                         | Patient Centered Care, Safety, Evidenced<br>Based Practice                                                                                                                                                                                                                                                                                                                                   |
| <b>IM Student Learning Outcomes</b>                                                                                                                                                                                                    | <b>NCLEX Test Plan</b>                                                                                                                                                                                                                                                                                                                                                                       |
| 1,3,7,8                                                                                                                                                                                                                                | <b>Health Promotion &amp; Maintenance:</b><br>health promotion/disease prevention<br><b>Physiological Integrity:</b><br><i>Basic Care &amp; Comfort – Mobility/immobility</i><br><i>Reduction of Risk Potential – system specific</i><br><i>assessment, therapeutic procedure,</i><br><i>Physiological adaptation - illness</i><br>management, alteration in body system,<br>pathophysiology |
| <b>Concepts</b>                                                                                                                                                                                                                        | <b>Faculty</b>                                                                                                                                                                                                                                                                                                                                                                               |
| <i>Infection</i><br><i>Inflammation</i><br><i>Comfort</i><br><i>Functional Ability</i><br><i>Mobility</i><br><i>Health Promotion</i><br><i>Safety</i><br><i>Evidenced Base Practice</i><br><i>Perfusion</i><br><i>Tissue Integrity</i> | N. Myres, MBA, MSN, RN, NPD                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Date originated:</b> 2/16/2016                                                                                                                                                                                                      | <b>Revision Dates:</b> 11/18/2016; 04/18/17,<br>11/14/17, 5/3/18, 10/31/19, 11/5/20, 7/2021,<br>8/2022, 8/2023                                                                                                                                                                                                                                                                               |