

Covenant School of Nursing
Instructional Module 4 Learning Guide
Topic: Musculoskeletal System

Learning Goals/Outcomes

Upon completion of this lesson, you will be able to:

- Identify commonly occurring alterations in mobility, immunity, comfort, and grief related to the musculoskeletal system.
- Differentiate common assessments, diagnostic procedures and laboratory tests used to examine musculoskeletal health in adults.
- Construct a nursing care plan using the nursing process and culturally competent and caring interventions for adults with musculoskeletal alterations in mobility, immunity, comfort, and grief.

Pre-Class Preparation

Required:

- Read Lewis (11th Ed.): Ch. 61, pp. 1429-1442; Ch. 62, pp. 1444-1447 (Sprains and Strains); pp. 1450-146; pp. 1463-1466 (Hip Fracture; Nursing Management: Hip Fracture); pp. 1469-1472 (Amputation; Nursing Management: Amputation); Ch. 63, pp. 1478-1481 (Osteomyelitis; Nursing Management: Osteomyelitis); 1492-1495 (Osteoporosis; Nursing and Interprofessional Management: Osteoporosis); Ch. 64, pp. 1499-1505 (Osteoarthritis; Nursing Management: Osteoarthritis)
- Read Burcham & Rosenthal (Lehne's Pharmacology for Nursing Care, 10th Ed.): Ch. 75

Additional Resources:

- Potter/Perry (10th Ed.): Ch. 14
- Extra Resources (pictures) in LMS

Learning Activities

Classroom Activities:

- Short Lectures- Exemplars of the Musculoskeletal System
- Audience Participation Questions
- Case Studies

Laboratory/Clinical:

- Integrate concepts of medication administration for musculoskeletal disorders into the clinical setting.

Computer Assisted Activities:

- HESI Material: See "HESI Across the Module"

Evaluation Methods

- Unit Exam
- Class participation in class case studies
- HESI Fundamentals Examination, proctored and non-proctored
- HESI Pharmacology

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| <i>Time Allotments:</i> | |
| Texas DECS | QSEN Competencies |
| Knowledge II.A:1.a, b; 2.a,b; 3; 4; II.B:2; 4;5; 6; 7; 8; 9; 11; 12; II.C: 1.a, b; 2.a; 3;4a, b; 5; 6; 7; 8 II.D: 1.a, b, c, d; 2; 3 a; 4c; 5 a; IIE: 1.a; 2; 3. a, b;4.a; 6a, b;11. a, 12; II.F: 1, 2, 3IIG: 1.b; 2a, b; 3a Clinical Judgments and Behaviors I.A.1; 2; 3a., b ; IB: 2.a, b; 3.a, b, c;4.a, b, c; 5.a, c; 6.a, b, c; 7.a; 8; 9; IC.2; 3.a, b, c; 5; 6.a, b; I.D.1;3; 4; II.A.1; 2.a,b; 3, 4; II.B.1.a;2, 3. A, b; 4, 5, 6, 7, 8, 9a; II.C.1; 2, 3a, 4, 5, 6, 7; IID 2.a, b, c, d; 3. A, b, c; 4; II.E.1; 2, a, b, c; 3. A, b; 4, 5. A, b; 6. a, b, c, d; 7. a, b, c,; 8, 9. a, b; 10. a; 11, 12. a; II.F.1.a, b, c; 2 a, b; 3 a, b; 5a, b; II.G.1.a; 4, 5 a, 6a, 7; II.H.4.b;5.a, b, 6a; III.A.2; 3; 4; 5a; III.B.1, 2, 3a, b, c; III.B.2; 3a, b, c; 4, 5, 8, 0, III.C.1; 2a, b; III.D.1; 2; 3; III.E.1; 3; III.F.1; IV.A.1.a; IV.B.1.a, b; 2 a; 3 c; 5a, b; IV.C.1.a, b, c; 2 a, b, c; IV.D.1.a, b; 2a, 3a, b; 5; IV.E.1.a, b, c; 2a, b, c; 3a, 4 | Patient Centered Care Teamwork and Collaboration Evidence-based Practice Quality Improvement Safety |
| IM Student Learning Outcomes | NCLEX Test Plan |
| 1/1; 2/2; 3/3; 4/4; 5/5; 6/6; 7/7; 8/8 | <ol style="list-style-type: none"> 1. Safe & Effective Care <ol style="list-style-type: none"> a. Management of Care 2. Health Promotion & Maintenance <ol style="list-style-type: none"> a. Safety and Infection Control b. Health Promotion & Maintenance 3. Psychosocial Integrity <ol style="list-style-type: none"> a. Psychosocial Integrity 4. Physiological Integrity <ol style="list-style-type: none"> a. Basic Care and Comfort b. Pharmacological and Parenteral Therapies c. Reduction of Risk Potential d. Physiological Adaptation <p>Alterations in Body Systems</p> <ol style="list-style-type: none"> 1. Safe & Effective Care <ol style="list-style-type: none"> a. Management of Care 2. Health Promotion & Maintenance <ol style="list-style-type: none"> a. Safety and Infection Control b. Health Promotion & Maintenance 3. Psychosocial Integrity <ol style="list-style-type: none"> a. Psychosocial Integrity 4. Physiological Integrity <ol style="list-style-type: none"> a. Basic Care and Comfort b. Pharmacological and Parenteral Therapies c. Reduction of Risk Potential d. Physiological Adaptation 5. Alterations in Body Systems Safe & Effective Care <ol style="list-style-type: none"> a. Management of Care 6. Health Promotion & Maintenance <ol style="list-style-type: none"> a. Safety and Infection Control b. Health Promotion & Maintenance 7. Psychosocial Integrity <ol style="list-style-type: none"> a. Psychosocial Integrity 8. Physiological Integrity <ol style="list-style-type: none"> a. Basic Care and Comfort b. Pharmacological and Parenteral Therapies c. Reduction of Risk Potential d. Physiological Adaptation |
| Concepts | Faculty |
| <i>Comfort, Immunity, Mobility, Grief</i> | <i>C.Moreno, MSN, RN</i> |
| Date originated: 12/15/2015 | Revision Dates: 1/15/2015, 7/20/16, 7/27/16, 8/17/17, 7/28/18, 8/29/19; 8/25/20; 9/8/21 |