

NURSING 101: FOUNDATIONS OF NURSING

UNIT VII: NURSING CARE OF THE PATIENT WITH DISTURBANCES OF THE MUSCULOSKELETAL SYSTEM

UNIT OBJECTIVES

AT THE COMPLETION OF THE UNIT, THE STUDENT:

1. Relates the normal anatomy and physiology of the musculoskeletal system.
2. Explains the importance of normal functioning of the musculoskeletal system to the maintenance of life.
3. Explains the interrelationships of the musculoskeletal system to other body systems.
4. Differentiates normal from abnormal characteristics of nursing assessment for the musculoskeletal system.
5. Explains the purpose, significance, results, and nursing responsibilities of diagnostic studies for the musculoskeletal system.
6. Describes the etiology, clinical manifestations, complications, and nursing responsibilities for the patient with disorders of the musculoskeletal system.
7. Discusses the usual medical, surgical, and nursing management of patients with disorders of the musculoskeletal system.
8. Implements therapeutic nursing care, using the nursing process, for patients with disorders of the musculoskeletal system.
9. Utilizes communication skills when delivering nursing care to patients with disorders of the musculoskeletal system.
10. Identifies the psychosocial needs of the patient with a disorder of the musculoskeletal system.
11. Teaches patients about their musculoskeletal disorders.
12. Relates knowledge of community resources available to assist the patient with disorders of the musculoskeletal system.
13. Describes methods to assist the patient with impaired physical mobility.
14. Demonstrates accountability when providing nursing care for patients with disorders of the musculoskeletal system.
15. Discusses clinical manifestations related to specific age-related physiologic changes in the musculoskeletal system.
16. Describes common musculoskeletal problems of older adults and the role of the nurse in assisting them with selected care problems.
17. Identifies evidence-based practice/best practice standards related to nursing care for patients with disorders of the musculoskeletal system

CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
Unit VII: Nursing Care of the Patient with Disturbances of the Musculoskeletal System Theory Hours- 15.0 Clinical Hours- 4.5		Required Readings Orthopaedic Office Observation Physical Therapy and Occupational Therapy Observation Perioperative Observation of Orthopaedic Surgery Pre and Post Conference Plan and provide care for the patient with musculoskeletal disorders when available	Class Preparation Clinical Evaluation Care Plans Quizzes (2) Unit Exams (2)
I. Review of Anatomy and Physiology	Interactive Lecture		
II. Assessment A. History and Physical i. Normal Vs. Abnormal ii. Neurovascular Assessment (6P's) B. Geriatric Considerations C. Diagnostic Studies	Visual-Based Learning: NAON Neurovascular Assessment		
III. Nursing Care of the patient with a Fracture A. Classification and Etiology B. Clinical Manifestations C. Bone Healing Stages D. Diagnosis E. Medical Management i. Immediate Fracture ii. Fracture Reduction a. Closed b. Open c. Traction iii. Fracture Immobilization iv. Internal fixation v. Traction a. Manual b. Skin c. Skeletal F. Secondary Management for Compound Fractures G. Drug Therapy H. Nursing Management i. Assessment	Case Study Analyses: Musculoskeletal Assessment of the Older Client	Self-Learning Class Preparation Packets: Musculoskeletal Anatomy and Physiology and Cardinal Movements Crash Course Videos: Bones part 1 & 1 and Muscles	
	Visual-Based Learning: Application of Buck's		

CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
v. Knee a. Meniscus Injuries b. Anterior Cruciate Ligament Rupture c. Tendon Rupture d. Recurrent Patella Dislocation e. Popliteal Cyst (Baker's Cyst) vi. Ankle a. Achilles tendon Rupture b. Chronic Lateral Ligament Instability vii. Foot a. Hammer Toe b. Plantar Fasciitis c. Hallux Valgus (Bunion) d. Corns e. Callus f. Plantar Wart V. Osteomyelitis VI. Amputation VII. Bone Cancer VIII. Metabolic Bone Disorders A. Osteoporosis B. Osteomalacia C. Paget's Disease IX. Assisting the Patient with Impaired Physical Mobility A. Assisting with Ambulation (Canes, Crutches, walkers, etc.) B. Assisting with Exercises to Improve or Maintain Function C. Application of Heat or other Therapies to Improve Function X. Nursing Care of Patient's with Arthritic & Related Rheumatic Problems A. Rheumatoid Arthritis B. Ankylosing Spondylitis C. Reiter's Syndrome	Collaborative Learning: Osteomyelitis Case Study Game-Based Learning: Quizlet Bone Cancer Experiential Learning: ATI: Wrapping Video with hands-on Practice and amputee case study Game-based Learning: Jeopardy- Osteoarthritis Collaborative Learning: Rheumatic related problems comparison table	Class Preparation: OA vs. RA Table Flipped Classroom: Osteoarthritis Class Preparation: Pathophysiology/ Medication Crossword	

CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
D. Bacterial Arthritis E. Gout F. Systemic Sclerosis/Scleroderma G. Systematic Lupus Erythematosus H. Polymyositis & Dermatomyositis I. Sjogren's Syndrome J. Fibromyalgia Syndrome XI. Nursing Care of the Patient Having Joint Surgery	One-minute paper/muddiest points active learning strategy Interactive Lecture-Poll Everywhere "Bone relay" activity Interactive, class designed review game	Supplemental Activity: YouTube Videos (<i>TKR, THR, TSR</i>)	

C&P:\N101 – Foundations of Nursing\Course Planning\2024\Course Documents\Theory\Unit Outlines {Unit Objectives – Unit I – 2024}