

NURSING 102: NURSING CARE OF ADULTS

UNIT V: NURSING CARE OF THE INDIVIDUAL WITH DISORDERS OF THE NEUROSENSORY SYSTEM

UNIT OBJECTIVES

AT THE COMPLETION OF THE UNIT, THE STUDENT:

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

CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<p>Unit V: Nursing Care of the Individual with Disturbances of the Neurosensory System</p> <p>Theory Hours- 16.25 Clinical Hours- 10.25</p> <p>I. Nervous System Anatomy & Physiology, Assessment & Diagnostics</p> <ol style="list-style-type: none"> a. Neurological Assessment <ol style="list-style-type: none"> i. Subjective and Objective Data ii. Performing a Neurological Exam iii. Geriatric Considerations b. Neurological Diagnostic Studies <p>II. Peripheral Neurological Disorders</p> <ol style="list-style-type: none"> a. Trigeminal Neuralgia b. Bell’s Palsy c. Guillain Barre <p>III. Nursing Care of the Patient with Neurological Disorders</p> <ol style="list-style-type: none"> a. Headache <ol style="list-style-type: none"> i. Tension Headache ii. Cluster Headache iii. Migraine Headache b. Seizures <ol style="list-style-type: none"> i. Phases ii. Generalized <ol style="list-style-type: none"> 1. Tonic Clonic 2. Atonic 3. Absence iii. Focal iv. Management <ol style="list-style-type: none"> 1. Diagnostics 2. Medications 3. Emergency Management 	<p>Experiential Learning: Neuro Lab Cranial Nerve Assessment</p> <p>Visual Based Learning: Assessing Cranial Nerves Video, Neurological Exam Video, & Performing a NIH Stroke Scale Assessment</p> <p>NCLEX Sample Questions: Neuro Assessment & Diagnostics</p> <p>Game-Based Learning: Kahoot!</p> <p>Game-Based Learning: Kahoot!</p>	<p>Visual Based Active Learning: Independent A&P Review Crash Course Nervous System, Cranial Nerve Review Assessment Video</p> <p>Gaming: Optional Cranial Nerve Activity</p> <p>ATI Health Assess 3.0: Head, Neck, and Neurological</p> <p>Video Based Active Learning: Seizures</p> <p>ATI Pharmacology Made Easy 4.0 The Neurological System (part 1) “Drug Therapy for Migraines”, “Drug Therapy for Seizures”, “Drug Therapy for Parkinson’s’ & “Drug Therapy for Multiple Sclerosis’</p>	<p>Class Preparation Unit Quizzes (2) Unit Exams (2) Clinical Anecdotal Final Exam</p>

CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
IV. Nursing Care of the Patient with Inflammatory Conditions of the Brain <ul style="list-style-type: none"> a. Meningitis b. Encephalitis c. Brain Abscess d. Neurosyphilis 	Game Based Learning: Name that Condition		
V. Herniated Nucleus Pulposus <ul style="list-style-type: none"> a. Spinal Stenosis b. Degenerative Disc Disease c. Treatment 	NCLEX Sample Questions: Back Pain & Post-op Complications		
VI. Degenerative Disorders of the Nervous System <ul style="list-style-type: none"> a. Parkinson’s Disease b. Huntington’s Disease c. Amyotrophic Lateral Sclerosis d. Multiple Sclerosis e. Myasthenia Gravis f. Restless Leg Syndrome 	Visual Based Learning: Parkinson’s Disease Overview, Living with Huntington’s Disease, & ALS Overview Game-Based Learning: Degenerative Disorder Jeopardy	Flipped Classroom Activity: Degenerative Disorders Fact Sheet ATI Pharmacology Made Easy 4.0	
VII. Nursing Care of the Patient with Intracranial and Intraspinial Tumors <ul style="list-style-type: none"> a. Brain Tumors b. Spinal Cord Tumors c. Treatment & Medical Management 	Game-Based Learning: Kahoot!		
VIII. Neurological Pain <ul style="list-style-type: none"> a. Common Treatment Options <ul style="list-style-type: none"> i. Pharmacological ii. Non-pharmacological 	Game based learning: Kahoot Neuro Part 1 Review		UNIT V PART I EXAM #7

CONTENT/ HOURS	TEACHING STRATEGIES	SUPPORTING ACTIVITIES	EVALUATION METHODS
<p>IX. Nursing Care of the Patient with Cerebrovascular Disorders</p> <ol style="list-style-type: none"> a. Cerebrovascular Accident (CVA) <ol style="list-style-type: none"> i. Cerebral Blood Flow ii. Modifiable vs. Non-Modifiable Risk Factors iii. Stroke Risk Assessment iv. Ischemic: Thrombotic vs. Embolic v. Hemorrhagic b. Transient Ischemic Attack (TIA) c. Clinical Manifestations d. Preventative Therapy e. Acute Clinical Management f. Discharge Planning <p>X. The Eye</p> <ol style="list-style-type: none"> a. Eye Assessment & Diagnostics <ol style="list-style-type: none"> i. Anatomy & Physiology Review of the Eye ii. Assessment & Diagnostics Procedures iii. Geriatric Considerations iv. Common Nursing Procedures for the Eye v. Health Promotion & Maintenance b. Disorders of the Eye <ol style="list-style-type: none"> i. Hordeolum ii. Chalazion iii. Blepharitis iv. Conjunctivitis v. Keratitis vi. Trachoma vii. Corneal Ulcer viii. Enucleation ix. Keratoconjunctivitis Sicca x. Retinoblastoma xi. Eye Trauma 	<p>Visual Based Learning: Stroke Overview, Watchman Procedure</p> <p>Collaborative Learning: CVA Case Study</p> <p>Interactive Lecture: Speech/Swallow Therapy Guest Speaker and Demonstrations</p> <p>Game based learning: Bingo!</p> <p>Visual based active learning: Eye Review Crash Course Video</p> <p>Experiential Learning: Neuro Lab Ophthalmoscope</p> <p>Interactive Lecture: Eye Disorders Guest Speaker</p>	<p>ATI Health Assess 3.0: Head, Neck, and Neurological</p>	

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<ul style="list-style-type: none"> c. Vision Problems: Refractive Errors <ul style="list-style-type: none"> i. Myopia ii. Hyperopia iii. Presbyopia iv. Astigmatism v. Strabismus vi. Amblyopia d. Treatment for Errors of Refraction <ul style="list-style-type: none"> i. Non-surgical ii. Surgical e. Vision Problems: Intraocular Disorders <ul style="list-style-type: none"> i. Cataracts ii. Glaucoma iii. Age Related Macular Degeneration iv. Diabetic Retinopathy v. Retinal Detachment f. Rehabilitation of the Blind Patient <ul style="list-style-type: none"> i. Nursing Considerations 	<p>Visual based active learning: LASIK Surgery Video</p> <p>Game based learning: Jeopardy!</p>		
<p>XI. The Ear</p> <ul style="list-style-type: none"> a. Anatomy & Physiology Review of the Ear b. Assessment & Diagnostics Procedures <ul style="list-style-type: none"> i. Examination of the ear ii. Hearing diagnostic tests <ul style="list-style-type: none"> 1. Assessment 2. Whisper test 3. Tuning fork tests 4. Tests for vestibular function iii. Problems with equilibrium iv. Types of hearing loss <ul style="list-style-type: none"> 1. External ear 2. Middle ear 3. Inner ear v. Geriatric considerations c. Common Nursing Procedures <ul style="list-style-type: none"> i. General care guidelines 	<p>Visual based active learning: How do we hear?</p> <p>Experiential Learning: Neuro Lab Otoscope & Tuning Fork Demonstration</p>		

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<ul style="list-style-type: none"> ii. Ear drops Instillation iii. Ear Wicks iv. Ear Irrigation d. Disorders of the Ear <ul style="list-style-type: none"> i. Disorders of the External Ear <ul style="list-style-type: none"> 1. Trauma 2. Acute External Otitis 3. Cerumen 4. Foreign Bodies 5. Malignancy ii. Disorders of the Middle Ear <ul style="list-style-type: none"> 1. Otitis Media with Effusion 2. Chronic Otitis Media & Mastoiditis 3. Otosclerosis iii. Disorders of the Inner Ear <ul style="list-style-type: none"> 1. Meniere’s Disease 2. Acoustic Neuroma iv. Care of the Hearing Impaired <ul style="list-style-type: none"> 1. Hearing Aides 2. Cochlear Implants 3. Assistive Devices 	<p>Game based learning: Kahoot!</p>		<p>UNIT V PART II EXAM #8</p>