

NURSING 102: NURSING CARE OF ADULTS

UNIT II: 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	ATI SUPPORTING ACTIVITY AND/OR RESOURCE	EVALUATION METHODS
<p>Unit VI: Nursing Care of the Individual with Disturbances of the Neurosensory System Theory Hours- 17 T Clinical Hours- 11.5 C</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. Geriatric Considerations b. Neurological Diagnostic Studies <ol style="list-style-type: none"> i. X-rays ii. Cerebral Angiography iii. CT Scan iv. MRI v. MRA vi. Myelogram vii. Cerebrospinal Fluid Analysis viii. Electroencephalogram ix. Electromyography x. Evoked Potentials xi. Positron Emission Tomography xii. Doppler <p>II. Nursing Care of the Patient with Inflammatory Conditions of the Brain</p> <ol style="list-style-type: none"> a. Meningitis b. Encephalitis c. Brain Abscess d. Neurosyphilis 	<p>Experiential Learning: Neuro Lab Cranial Nerve Assessment</p> <p>Game Based Learning: Pictionary Review</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>Class Preparation Unit Quizzes (2) Unit Exams (2) Clinical Anecdotal Final Exam</p>

CONTENT/ HOURS	TEACHING STRATEGIES	ATI SUPPORTING ACTIVITY AND/OR RESOURCE	EVALUATION METHODS
<p>III. Nursing Care of the Patient with Neurological Disorders</p> <ul style="list-style-type: none"> a. Headache <ul style="list-style-type: none"> i. Tension Headache ii. Cluster Headache iii. Migraine Headache b. Seizures <ul style="list-style-type: none"> i. Generalized ii. Focal 		<p>Video Based Active Learning: Seizures</p>	
<p>IV. Degenerative Disorders of the Nervous System</p> <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 		<p>ATI Pharmacology Made Easy 4.0 The Neurological System (part 1) “Drug Therapy for Migraines” “ Drug Therapy for Seizures”</p> <p>Flipped Classroom Activity: Degenerative Disorders Fact Sheet</p> <p>ATI Pharmacology Made Easy 4.0</p>	
<p>V. Neurological Pain</p> <ul style="list-style-type: none"> a. Common Treatment Options <ul style="list-style-type: none"> i. Pharmacological ii. Non-pharmacological 			
<p>VI. Peripheral Neurological Disorders</p> <ul style="list-style-type: none"> a. Trigeminal Neuralgia b. Bell’s Palsy c. Guillain Barre d. Herniated Nucleus Pulposus 			

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<p>VII. Nursing Care of the Patient with Intracranial and Intraspidal Tumors</p>	<p>Game based learning: Kahoot review activity Neuro Part 1</p>	<p>Visual-based active learning: Glioblastoma video</p>	<p>EXAM 1</p>
<p>VIII. Nursing Care of the Patient with Cerebrovascular Disorders</p> <ul style="list-style-type: none"> a. Cerebrovascular Accident b. Cerebral Aneurysm c. Arteriovenous Malformations 	<p>Collaborative Learning: CVA Case Study</p> <p>Interactive Lecture: Speech/Swallow Therapy Guest Speaker and Demonstrations</p> <p>Game based learning: Kahoot review activity</p>		
<p>IX. Visual Systems</p> <ul style="list-style-type: none"> a. Anatomy & Physiology Review of the Eye b. Assessment & Diagnostics Procedures c. Health Promotion & Maintenance d. Geriatric Considerations e. Common Nursing Procedures for the Eye 	<p>Visual based active learning: Eye Review Crash Course Video</p> <p>Experiential Learning: Neuro Lab Ophthalmoscope</p>		

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<ul style="list-style-type: none"> v. Retinal Detachment d. Rehabilitation of the Blind Patient <ul style="list-style-type: none"> i. Nursing Considerations XIII. Auditory Systems <ul style="list-style-type: none"> a. Anatomy & Physiology Review of the Ear b. Assessment & Diagnostics Procedures <ul style="list-style-type: none"> i. Evaluation of hearing ii. Evaluation of equilibrium iii. Causes of hearing loss iv. Geriatric considerations c. Common Nursing Procedures <ul style="list-style-type: none"> i. General care guidelines ii. Ear drop Instillation iii. Ear Wicks iv. Ear Irrigation v. Ear Care Specialists XIV. Disorders of the Ear <ul style="list-style-type: none"> a. Disorders of the External Ear <ul style="list-style-type: none"> i. Trauma ii. Acute External Otitis iii. Cerumen iv. Foreign Bodies v. Malignancy b. Disorders of the Middle Ear <ul style="list-style-type: none"> i. Otitis Media with Effusion ii. Chronic Otitis Media & Mastoiditis iii. Otosclerosis c. Disorders of the Inner Ear <ul style="list-style-type: none"> i. Meniere's Disease ii. Tinnitus iii. Acoustic Neuroma d. Care of the Hearing Impaired or Deaf Patient <ul style="list-style-type: none"> i. Types of Hearing Loss 	<p>Visual Based Active Learning: Crash Course Review Video Balance and Hearing</p> <p>Experiential Learning: Neuro Lab Otoscope Demonstration</p>		

CONTENT/ HOURS	TEACHING STRATEGIES	ATI SUPPORTING ACTIVITY AND/OR RESOURCE	EVALUATION METHODS
<ul style="list-style-type: none"> 1. Conductive 2. Sensorineural 3. Mixed 4. Central & Functional Hearing Loss ii. Hearing Aides iii. Cochlear Implants 	Visual Based Active Learning: Cochlear Implant Video		EXAM 2

102- Nursing Care of Adults/Course Planning/2023/Course Documents/Theory/Unit Outlines (Unit Objectives – Unit VI– 2023)