

## **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 STRATEGY	ATI SUPPORTING ACTIVITY AND/OR RESOURCE	EVALUATION METHOD
Unit II:	Nursing Care of the Individual with Disturbances of the Neurosensory System	17 T 11.5 C	Class participation Required readings Clinical pre and post-conference Care for patients with disorders of the Neurosensory System as available Clinical Objectives Neuro Assessment  Visual Based Active Learning: “Crash Course” review video, Cranial Nerve Review Assessment Video  Gaming: Optional Cranial Nerve Activity  Experimental Learning: Neuro Lab Cranial Nerve Assessments		Quizzes Concept Maps Clinical Evaluation Unit Exams Final Exam
I.	Nervous System Anatomy/Physiology and Assessment A. Anatomy & Physiology B. Neurological Assessment C. Diagnostic Tests and Procedures D. Geriatric Consideration				
II.	Nursing Care of the Patient with Inflammatory Conditions of the Brain A. Meningitis B. Encephalitis C. Brain Abscess D. Neurosyphilis		Game Based Learning Review: Pictionary (Inflammatory Conditions, Headaches)		
III.	Nursing Care of the Patient with Neurological Disorders A. Headache 1. Tension 2. Cluster 3. Migraines B. Seizures		Visual Based Active Learning: Video: Seizures	Pharmacology Made Easy 4.0 The Neurological System (part1) “Drug Therapy for Migraines” “Drug Therapy for Seizures”	



CONTENT	HOURS	TEACHING STRATEGY	ATI SUPPORTING ACTIVITY AND/OR RESOURCE	EVALUATION METHOD
<p>IX. Visual Systems</p> <ul style="list-style-type: none"> <li>A. Review Anatomy &amp; Physiology of the Eye</li> <li>B. Assessment and Diagnostic Procedures</li> <li>C. Health and Promotion Maintenance</li> <li>D. Geriatric Consideration</li> <li>E. Common Nursing Procedures</li> </ul> <p>X. Disorders of the Eye</p> <ul style="list-style-type: none"> <li>A. Nursing care for Infections of the Eye <ul style="list-style-type: none"> <li>1. Styes (Hordeola)</li> <li>2. Chalazion</li> <li>3. Conjunctivitis</li> <li>4. Keratitis</li> <li>5. Corneal Ulcer</li> <li>6. Blepharitis</li> <li>7. Uveitis</li> <li>8. Enucleation</li> <li>9. Keratoconjunctivitis Sicca</li> <li>10. Trachoma</li> </ul> </li> <li>B. Nursing Care for Eye Injury</li> <li>C. Nursing Care for Visual Impairment <ul style="list-style-type: none"> <li>1. Errors of Refraction <ul style="list-style-type: none"> <li>a. Myopia</li> <li>b. Hyperopia</li> <li>c. Presbyopia</li> <li>d. Astigmatism</li> <li>e. Strabismus</li> <li>f. Ambylopia</li> </ul> </li> <li>2. Surgical Treatment Errors of Refraction</li> </ul> </li> </ul>		<p>Visual Based Active Learning: Eye Review Crash Course Video</p> <p>Experimental Learning: Neuro Lab Ophthalmoscope Demonstration/Usage</p> <p>Interactive Lecture: Eye Disorders – Guest Lecturer</p> <p>Flipped Classroom Activities: LASIK Surgery Video Cataracts Video</p>		

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<p>D. Disorders of the Eye</p> <ol style="list-style-type: none"> <li>1. Cataracts</li> <li>2. Glaucoma</li> <li>3. Age Related Macular Degeneration</li> <li>4. Diabetic Retinopathy</li> <li>5. Aphakia</li> <li>6. Retinal Detachment</li> </ol> <p>E. Rehabilitation of the Blind Patient</p> <p>XI. Auditor Systems</p> <p>A. Review of Anatomy &amp; Physiology of the Ear</p> <p>B. Assessment, Examination and Diagnostic Procedures</p> <ol style="list-style-type: none"> <li>1. Examination of the External Ear</li> <li>2. Examination with an Otoscope</li> <li>3. Evaluation of Hearing</li> <li>4. Evaluation of Equilibrium</li> <li>5. Causes of Hearing Loss</li> </ol> <p>C. Geriatric Consideration</p> <p>D. Guidelines and Common Nursing Procedures Involving the Ear</p> <ol style="list-style-type: none"> <li>1. General Care Guidelines</li> <li>2. Ear Wicks</li> <li>3. Softening and Removal of Wax</li> <li>4. Ear Irrigation</li> </ol> <p>E. Ear Care Specialists</p>		<p>Visual Based Active Learning: Crash Course Review Video: Hearing and Balance</p> <p>Experimental Learning: Neuro Lab Otoscope Demonstration/Usage</p>		

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<p>XII. Disorder of the Ear</p> <p>A. Disorders of the External Ear</p> <ol style="list-style-type: none"> <li>1. Infections</li> <li>2. Foreign Bodies</li> <li>3. Deformities</li> <li>4. Malignancy</li> </ol> <p>B. Disorders of the Middle Ear</p> <ol style="list-style-type: none"> <li>1. Acute External Otitis Media</li> <li>2. Acute Otitis Media</li> <li>3. Chronic Otitis Media</li> <li>4. Choleostoma</li> <li>5. Mastoiditis</li> <li>6. Chronic Otitis Media with Effusion</li> <li>7. Otosclerosis</li> </ol> <p>C. Disorders of the Inner Ear</p> <ol style="list-style-type: none"> <li>1. Tinnitus</li> <li>2. Meniere's Syndrome</li> </ol> <p>D. Care of the Hearing Impaired or Deaf Patient</p> <ol style="list-style-type: none"> <li>1. Hearing Aides</li> <li>2. Cochlear Implants</li> </ol>		<p>Visual Based Active Learning: Cochlear Implant Video</p>		