

## Neurosensory Disorders

Diagnostic	Neurological Assessment	Medication
<p><b>A. Lumbar puncture</b> -Assess movement of Extremities post op.</p> <p><b>B. Computed Tomography (CT)Scan</b> -Check for Iodine, Contrast dye &amp; shell-Fish allergy. - Assess BUN &amp; creat.</p> <p><b>C. Cerebral arteriography</b> - Client's face may feel warm during the Procedure.</p> <p><b>D EEG</b> - Avoid caffeine 8 hour Before the test. - hold Depressive, Stimulant, antiseizure Medication</p> <p><b>E. MRI</b> - Assess for claus-Trophobia. - Remove all metal objects</p>	<p><b>A. Mental status</b> - LOC</p> <p><b>B. Cranial Nerves</b> - CN I -XII</p> <p><b>C. Motor Function</b> - Muscle - Coordination - Movement</p> <p><b>D. Posturing</b> - Decorticate - Decerebrate</p> <p><b>E. Glasgow Coma Scale</b> - Eye opening - Verbal response - Motor response</p>	<p><b>A. Anti-anxiety medications</b> - Benzodiapines - Buspirone - Antidepressants - Duloxetine - Escitalopram - Paroxetine</p> <p><b>B. Bipolar Disorder</b> - Lithium carbonate - NSAIDS will increase Lithium levels - Monitor serum sodium Levels</p> <p><b>C Antipsychotic</b> 1. Typical - Chlorpromazine - Fluphenazine - Haloperidol - Thiothixene 2. Atypical (less severe Side effects) - Aripiprazole - Clozapine - Olanzapine - Paliperidone</p> <p><b>D. Attention-deficit/hyper</b> 1. Stimulants - Dextroamphetamine &amp; Amphetamine - Methylphenidate 2. Nonstimulants - Atomoxetine - Guanfacine</p> <p><b>E. Sedative/Hypnotic</b> - Benzodiazepines - Benzo-like ( Zolpiden)</p>

		<p><b>F. Abstinence maintenance</b></p> <ul style="list-style-type: none"> <li>- Disulfiram</li> <li>- Methadone</li> </ul> <p><b>G. Anti-Parkinson's</b></p> <ul style="list-style-type: none"> <li>- Benztropine</li> <li>- Carbidopa/levodopa</li> <li>- levodopa</li> </ul> <p><b>H. Myasthenia gravis</b></p> <ul style="list-style-type: none"> <li>- Neostigmine</li> <li>- Ambenonium</li> <li>- Edrophonium</li> </ul> <p><b>I. Antiseizure</b></p> <ul style="list-style-type: none"> <li>- Carbamazepine</li> <li>- Gabapentin</li> <li>- Phenobarbital</li> <li>- Phenytoin</li> <li>- Valproic acid</li> </ul> <p><b>J. Antiglaucoma</b></p> <ul style="list-style-type: none"> <li>- Levobunolol</li> <li>- Timolol</li> <li>- pilocarpine</li> </ul>
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### Neurological Diseases

Head & Spinal cord injury	Seizure	Cerebrovascular	Immune-mediated & Chemical imbalance
<p><b>A Head Injury</b></p> <ol style="list-style-type: none"> <li>1. Closed head injury <ul style="list-style-type: none"> <li>- Blunt force</li> <li>- Concussion</li> <li>- Contusion</li> <li>- Diffuse Axonal</li> </ul> </li> <li>2, Basilar skull</li> </ol>	<p><b>A Seizure disorders</b></p> <ol style="list-style-type: none"> <li>1. Generalized <ol style="list-style-type: none"> <li>a. Tonic-clonic</li> <li>b. Absence</li> <li>c. Myoclonic</li> <li>d. Atonic/akinetic</li> </ol> </li> <li>2. Partial <ol style="list-style-type: none"> <li>a. Complex</li> <li>b. Simple</li> </ol> </li> </ol> <p><b>B Status epilepticus</b></p> <ul style="list-style-type: none"> <li>- life threatening</li> <li>- can lead to brain Damage</li> </ul>	<p><b>A TIA</b></p> <ul style="list-style-type: none"> <li>- warning sign of Impending Stroke</li> </ul> <p><b>B CVA</b></p> <ul style="list-style-type: none"> <li>- Therapeutic mgt. <ol style="list-style-type: none"> <li>1. Ischemic CVA</li> <li>- Thrombolytic Therapy</li> <li>3. Hemorrhagic <ul style="list-style-type: none"> <li>- Surgery</li> </ul> </li> <li>4. Endovascular</li> <li>-</li> </ol> </li> </ul>	<p><b>A Multiple sclerosis</b></p> <ul style="list-style-type: none"> <li>- No cure</li> <li>- Treatment more Relieving Symptoms and Decrease Frequency of Relapse.</li> </ul> <p><b>B Parkinson's</b></p> <ul style="list-style-type: none"> <li>- Depletion of Dopamine</li> <li>- Therapeutic Measures: <ol style="list-style-type: none"> <li>1. Thalamotomy &amp; pallidotomy</li> </ol> </li> </ul>

<p>Fracture</p> <ul style="list-style-type: none"> <li>- CSF from ears</li> <li>Nose—Check</li> <li>By glucose test</li> <li>-Raccoon eyes</li> <li>- Battle’s sign</li> </ul> <p>3. Hematoma</p> <ul style="list-style-type: none"> <li>-Epidural</li> <li>- Subdural</li> </ul> <p>4. Increased ICP</p> <ul style="list-style-type: none"> <li>-Cushing triad</li> <li>-Ineffective Thermo Regulation</li> </ul> <p>5. Hyperthermia</p> <ul style="list-style-type: none"> <li>- damage hypo-thalamic temp regulating center</li> </ul> <p><b>B Spinal cord injury</b></p> <p><b>1. Types</b></p> <ol style="list-style-type: none"> <li>a. Contusion</li> <li>b. Laceration</li> <li>c. Compression</li> <li>d. Complete Transection</li> </ol> <p><b>2. Manifestations (determined by The level of Injury)</b></p> <ol style="list-style-type: none"> <li>a. Cervical <ul style="list-style-type: none"> <li>-partial quadriplegia</li> <li>-Complete Quadriplegia</li> </ul> </li> <li>b. Thoracic <ul style="list-style-type: none"> <li>- potential complication: <ol style="list-style-type: none"> <li>1. Autonomic Dysreflexia</li> <li>2. Spinal shock</li> </ol> </li> </ul> </li> </ol>		<p>embolectomy</p> <ul style="list-style-type: none"> <li>- carotid artery angioplasty</li> </ul>	<ol style="list-style-type: none"> <li>2. Neural Transplantation</li> <li>3. Deep brain Stimulation</li> </ol> <p><b>C ALS</b></p> <ul style="list-style-type: none"> <li>- No cure</li> <li>- Support care <ol style="list-style-type: none"> <li>1. Mechanical Ventilation</li> <li>3. Tube feeding</li> <li>4. Alternate communication Method</li> </ol> </li> </ul> <p><b>D Myasthenia gravis</b></p> <ul style="list-style-type: none"> <li>-types of crisis <ol style="list-style-type: none"> <li>1. Cholinergic</li> <li>2. Myasthenic</li> </ol> </li> </ul> <p><b>E Guillain -Barre’ Syndrome</b></p> <ul style="list-style-type: none"> <li>- Respiratory Support</li> <li>- Plasmapheresis</li> <li>- Intravenous Immunoglobulin (IVIG)</li> </ul>
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<b>3. Neurogeni c shock</b>			
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