

## LSUHSC-Shreveport and LSUHSC-Monroe

Major Participating Institutions-The Asthma Allergy Clinic, Brentwood Behavioral Health Company, Christus Schumpert Health System, Huey P. Long Medical Center, North Caddo Medical Center, Overton Brooks Veterans Affairs Medical Center, Rapides Regional Medical Center, Shriners Hospitals for Children, Willis Knighton Medical Center

- 1) Medical Knowledge
- 2) Patient Care skills
- 3) Practice-based Learning
- 4) Interpersonal and Communication skills
- 5) Systems-based practice
- 6) Professionalism

### RESIDENT LEVELS OF CARE

#### NEUROLOGY

Resident Level: PGY-1

<b>Clinical Diagnosis and Management</b>	<b>Invasive Clinical Management</b>
<ol style="list-style-type: none"> <li>1. Perform and document Histories and Physical Exams (1,2)</li> <li>2. Order and interpret findings of diagnostic tests including imaging, blood work, EKG, cerebrospinal fluid exam (1,3)</li> <li>3. Develop and document fluid and electrolyte therapy (1,2)</li> <li>4. Monitor vital signs as well as Intake/Output (2)</li> <li>5. Request and review appropriate consultations (2,3)</li> <li>6. Obtain and document informed consent (3,5)</li> <li>7. Order transfusions of blood and blood products (2)</li> <li>8. Order pain management therapy (2)</li> <li>9. Order medications and monitor for their effects and for possible adverse reactions (2,3)</li> <li>10. Document patient status by clear and legible notes (2,3,4)</li> <li>11. Maintain a legally correct and complete medical record (3,5)</li> <li>12. Dictate discharge summaries (2,3,4,5)</li> <li>13. Learn and apply appropriate ICD and CPT codes (5)</li> <li>14. Use and understand the nursing notes and patient data (2,4)</li> <li>15. Utilize the Institutional Resources and Case Management services</li> </ol>	<ol style="list-style-type: none"> <li>1. Perform venipuncture (2)</li> <li>2. Start peripheral IV lines (2)</li> <li>3. Draw blood cultures (2)</li> <li>4. Perform lumbar puncture (2)</li> <li>5. Draw arterial blood samples (2)</li> </ol>

<p>for Discharge Planning and Follow-up (2,3,4,5)</p> <p>16. Understand the Methods of Outcomes Assessment (1,3,5)</p> <p>17. Develop computer skills and use available resources (2,4,5)</p> <p>18. Have basic CPR (BCLS) certification (2)</p>	
<p>* A faculty physician, other than another resident, is present physically during the key portions of the procedure or is immediately available.</p>	

**LSUHSC-Shreveport**

**RESIDENT LEVELS OF CARE**

**NEUROLOGY**

Resident Level: PGY-2

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| 7) Medical Knowledge                       |
| 8) Patient Care skills                     |
| 9) Practice-based Learning                 |
| 10) Interpersonal and Communication skills |
| 11) Systems-based practice                 |
| 12) Professionalism                        |

<b>Clinical Diagnosis and Management</b>	<b>Noninvasive and Invasive Clinical Assessment</b>
<ol style="list-style-type: none"> <li>1. Perform a comprehensive neurological history and examination (2)</li> <li>2. Determine the most typical findings on imaging of the more common central nervous system disorders such as stroke, brain tumor, brain infection, demyelinating disease, and inflammatory disease (1,2)</li> <li>3. Document patient status both in the Admission History and Examination and in follow-up Progress Notes (3,4)</li> <li>4. Develop a plan of assessment and management after discussion with the Chief Resident and Neurology Attending of record (3,4)</li> <li>5. Develop triage assessment and plans for patients who are critically ill and may require EKG or EEG telemetry or admission to an intensive care unit setting (2,3,5)</li> <li>6. Determine specific orders for monitoring including vital signs, neuro check, intake/output depending upon the medical and neurological status of the patient (2)</li> <li>7. Participate in discharge planning in collaboration with the family, Social Service, Rehabilitation Service and Consulting Services (2,3,4,5,6)</li> <li>8. Develop an effective patient</li> </ol>	<ol style="list-style-type: none"> <li>1. Perform more challenging lumbar puncture and determine need for either cisternal puncture or lumbar puncture under fluoroscopy (1,2)</li> <li>2. Perform nerve conduction velocities and electromyography under supervision of the Neurology Attending (1,2)</li> <li>3. Interpret EEGs under the supervision of the Neurology Attending (1,2)</li> <li>4. Exposure to the performance of sleep studies (1,2)</li> <li>5. Exposure to the performance of carotid duplex imaging as well as transcranial Doppler ultrasonography (1,2)</li> </ol>

<p>instruction and follow-up plan in case symptoms recur prior to the next scheduled appointment in Neurology Clinic (2,3,6)</p> <p>9. Patient instruction in seizure cautions when appropriate (2,3)</p> <p>10. Patient instruction in the potential teratogenicity of neurological agents (2,3)</p>	
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- 13) Medical Knowledge
- 14) Patient Care skills
- 15) Practice-based Learning
- 16) Interpersonal and Communication skills
- 17) Systems-based practice
- 18) Professionalism

**LSUHSC-Shreveport  
RESIDENT LEVELS OF CARE**

**NEUROLOGY**

Resident Level: PGY-3

<b>Clinical Diagnosis and Management</b>	<b>Noninvasive and Invasive Clinical Assessment</b>
<ol style="list-style-type: none"> <li>1. Determine admission status of patient presenting to the ER (2,3)</li> <li>2. Determine the transfer status of a patient with neurological problems on another hospital service (2,3)</li> <li>3. Determine the logistics and needs of a potential transfer of a patient with a primary neurological problem from another hospital (2,3,4,6)</li> <li>4. To assess and develop a plan of action for patients consulted on the Pediatric Service with input of the Pediatric Neurology Attending of record (2,3,4,5)</li> <li>5. Participate in the Pediatric Neurology Clinics (1,2,3)</li> <li>6. To help in the supervision of trainees rotating on the Neurology Service in reference to patient care (4,5,6)</li> <li>7. Determine the need and availability of emergency EEG in the assessment of patients with possible seizure activity, status epilepticus, unexplained coma, and increased intracranial pressure (2,3,4)</li> <li>8. Assess patients with severe neurological impairment in reference to prognosis, possible brain death, and provide input in terms of possible organ donation (2,4,5,6)</li> <li>9. Participate in the discussion of prognosis with family members for patients with severe neurological</li> </ol>	<ol style="list-style-type: none"> <li>1. Enhanced EEG interpretation (1,2)</li> <li>2. Enhanced performance and interpretation of electromyography, nerve conduction velocities and evoked response (1,2)</li> <li>3. Enhanced experience in the performance and interpretation of sleep studies (1,2)</li> <li>4. Enhanced performance and interpretation of carotid and vertebral duplex scanning including transcranial Doppler ultrasonography (1,2)</li> </ol>

<p>impairment including brain death, organ procurement and implications of advanced directives (2,3,4,5,6)</p>	
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**LSUHSC-Shreveport**

**RESIDENT LEVELS OF CARE**

**NEUROLOGY**

Resident Level: PGY-4

- 19) Medical Knowledge
- 20) Patient Care skills
- 21) Practice-based Learning
- 22) Interpersonal and Communication skills
- 23) Systems-based practice
- 24) Professionalism

<b>Clinical Diagnosis and Management</b>	<b>Noninvasive and Invasive Clinical Assessment</b>
<ol style="list-style-type: none"> <li>1. Supervise the PGY-2 Neurology residents and other residents rotating on the Neurology Service in reference to patient care (4,5,6)</li> <li>2. Supervise and help to coordinate the Consult Residents on the Adult and Pediatric Neurology Consultation Service (4,5,6)</li> <li>3. Participate in patient assessment and examination on the Neurology Service including the writing of a Chief Resident Admission Note and follow-up notes as appropriate (2,3,4)</li> <li>4. Provide guidance to the PGY-2 Neurology resident, and other residents rotating on the Neurology Service, in terms of patient management and discharge planning in tandem with the Neurology Attending (4,5,6)</li> <li>5. Make arrangements for all admissions and transfers to the Neurology Service and to assume primary responsibility for coordinating such activity (2,5,6)</li> <li>6. Participate in the Neurorehabilitation rotation with active participation in active patient evaluation and management (1,2,3)</li> <li>7. Rotation on the Pediatric Neurology Service with performance of Neurology Consults and evaluation and management of patients in the</li> </ol>	<ol style="list-style-type: none"> <li>1. Attain satisfactory competence in the performance and interpretation of EEGs (1,2)</li> <li>2. Attain satisfactory competence in the performance and interpretation of electromyography, nerve conduction velocities and evoked response (1,2)</li> <li>3. Participate in neurophysiological monitoring during operative procedures including evoked response and EEG (1,2)</li> <li>4. Develop further sophistication in the performance and interpretation of sleep studies (1,2)</li> <li>5. Develop further sophistication in the performance and interpretation of carotid and vertebral duplex scanning with transcranial Doppler ultrasonography (1,2)</li> </ol>

<p>Pediatric Neurology clinics (1,2)</p> <p>8. Participation in Neurology Specialty Clinics including Movement Disorders Clinic, Sleep Clinic, Epilepsy Clinic, Headache Clinic, Stroke Clinic, Multiple Sclerosis Clinic, and Muscular Dystrophy Clinic (1,2,3,4,5,6)</p>	
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