

Student Name _____

WEEK 2: Neurological Assessment

Time	Activities	Location
	<p>Independent Learning Activities – Preparation before lab</p> <ol style="list-style-type: none"> 1. Introduction to Neuro & Assessment Scales: Review the neuro assessment tools and practice using each of the following: <ol style="list-style-type: none"> a. Glasgow Coma Scale at http://www.strokecenter.org/professionals/stroke-diagnosis/stroke-assessment-scales/ b. NIH Stroke Scale at http://www.strokecenter.org/professionals/stroke-diagnosis/stroke-assessment-scales/ c. ASIA ISNCSCI Worksheet at: http://www.asia-spinalinjury.org/elearning/ISNCSCI.php d. Romberg Test under Coordination and Gait at http://www.neuroexam.com/neuroexam/content.php?p=37 2. Watch the Neurological Assessment Lecture presented by Dean Wilson Jr PA-C via Panopto (available through Blackboard) In addition there is a pdf file for review on detailed Neurological Assessment (posted on Blackboard) 3. Review medications listed for Neuro Medication Review (posted on Blackboard) 4. Article “Using Pain to Assess Neuro Response” by J. Lower 5. Spinal Injury – <ul style="list-style-type: none"> • Interactive tutorial for basic review of spinal cord injury and anatomy at http://www.nlm.nih.gov/medlineplus/spinalcordinjuries.html • Go to Los Angeles Spine Surgery Center. Select <u>Spine Conditions</u> and view <u>Spinal Cord Compression</u> at http://www.losangelesspinesurgerycenter.com/Surgical-Animations.aspx 6. Morton book: Review serum lab results (normal values) and cardiac labs (Tables 12-3, 12-4, 28-4, 28-5, 28-6, and pgs. 151-153). How do the normal ranges compare to a PDA or other resources? Do they differ? 7. View <i>Know Your Heart Series</i> video (Posted on Blackboard/CI Learn) 8. Lab Tests <ul style="list-style-type: none"> • CBC with diff: Watch Complete Blood Count on by Dr Tom Wade at http://www.youtube.com/watch?v=j7PJrUFciec&feature=related • Chemistry Panel: Watch Comprehensive Metabolic Panel by Dr Tom Wade at http://www.youtube.com/watch?v=qNzzobIXkX4 • PT, PTT, INR: View www.rnceus.com/coag/coagframe.html • BNP: Look up on http://labtestsonline.org/understanding/analytes/bnp/tab/test 9. Review www.labtestsonline.org You should be comfortable with : CBC, CMP or Complete Chemistry Panel, PT, PTT, BNP, CK, CKMB, Myoglobin, Troponin I, HgB A1C, GFR 	<p>Location of Student Choice</p> <p style="color: red; text-align: center;">To be done prior to lab</p>

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	<p>10. Diagnostics review: Be comfortable with reasons the following tests would be ordered: CXR, EKG, KUB, CT Head, CT Abd/Pelvis, CT Chest, Ultrasound (Abdominal, Pelvic, Gallbladder, Renal), Echocardiogram, MRI Brain</p> <p>11. Topic 2 Weekly VT Discussion online (Sept 15 individual response due and Sept 17 peer responses by 1159pm)</p> <p>12. QSEN Safety Assignments Due (Due online Sept 18 by 1159pm)</p>	
Online	<p>Lecture – Online</p> <p>Lab Review and Discussion (available online VoiceThread in CI Learn)</p>	
	<p>Breaks:</p> <ul style="list-style-type: none"> • 1050-1100 (section 1) or 1200-1210 (section 2) 	
<p>Sect. 1 08:30 – 11:30 am</p> <p>Or</p> <p>Sect. 2 12:30 -- 3:30 pm</p>	<p>Sim Lab --</p> <ol style="list-style-type: none"> 1. Small group discussion with faculty: NIH Stroke Scale Assessment for Neurological Changes and Code Fast (30 min) <i>Online link for NIH certification available on CI Learn/Bb</i> 2. Medication review and lab recognition (20 min) related to Heparin, Coumadin, Lovenox, Pradaxa, Xarelto, ASA, Plavix, Aggrenox 3. <u>Simulation</u>: Acute CVA – 35 minutes (Remember to plan to develop Mind Map #2 on this patient) 4. Mini Mental Exam – 20 minutes <ul style="list-style-type: none"> • Read the MMSE from HHCQF & perform on a partner; record the score ____ 5. Cranial Nerves Assessment – 20 minutes <ul style="list-style-type: none"> • Review the guides for cranial nerves • Conduct an assessment of the cranial nerves, using a partner 6. Neuro Assessment Practicum (15 min) Practice a focused neurovascular assessment using the manikin VS settings for manikin: BP 166/92, HR 92, RR 10-14; SpO2 90-91%; Right pupil dilated 5 mm, Left pupil 2 mm, both reactive to light, patient is stuporous. References: <ul style="list-style-type: none"> • Jarvis Chapter on Neuro – See copy at station • Video example of brief neurological exam with explanation at http://www.med-ed.virginia.edu/courses/pom1/pexams/NeurologicExam/ • Precise Neuro exam at http://cloud.med.nyu.edu/modules/pub/neurosurgery/ 7. Intracranial Pressure (ICP) (10 minutes) : Morton text p 304 – 314, and Read 397 – 402 from Critical Care Nursing Certification 5th ed. What occurs when there is sustained increase in ICP? What measures can be taken to reduce the ICP? 	<p>Sim Lab</p>

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| <p>8. BIS Monitoring (10 minutes)
Review material on BIS monitoring at station</p> <ul style="list-style-type: none">• View demonstration of BIS Monitoring at http://www.youtube.com/watch?v=ngWaFQffjwg&feature=related <p>9. Conclusion – 5-10 minutes</p> |
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**Consult syllabus for full listing of content requirements, preparation and assignments.
Remember lab coats or scrubs are required in the Simulation Lab.
Prepare your mind map #2 based on today's simulation.**