Exam 1 Study Guide 2019

- EXAM – Monday, Nov 25, starting at 8:15 till 11:30 AM.
  - Exam format: lab practical (write-in answers) followed by Examsoft exam (MC questions), case
  - Material covered: Nov 4 – Nov 20 (except visual system)

Info to guide studying of some of the lecture material:
- Week 1 material was included in a previous study guide.
- AChase Inhibitors and NMJ Disorders – know the effects of AChase inhibitors and remedies for toxicity; understand the causes, diagnostic features and treatment for MG, LEMS, and Botulism.
- Pathways – know the structures and routes they travel so you can localize lesions based on symptoms; know the reflexes used for clinical testing; know the disorders associated with each system; know how cortical areas are involved.
- Tactile Physiology – differentiate between encoding and processing of sensory information, describe the events involved in cortical plasticity.
- Pathophysiology of Pain – understand the inflammatory response, sensitization, intrinsic pain modulation, clinical treatment of pain.
- Headache – know the diagnostic features for the different types of primary and secondary headaches; know the drug classes used to treat migraine, tension-type, cluster headaches, temporal arteritis.
- Opioids – know the general actions of opioids, the receptors activated, characteristics of morphine, methadone, meperidine, fentanyl, codeine, hydrocodone/oxycodone, buprenorphine, naloxone/naltrexone, the X-waiver and its implications.
- Microbiology of Meningitis – know the age group epidemiology, pathophysiology, clinical presentation, diagnostic features, and drug therapy.
- Pathology of Meningitis/Infections/ – know the complications of the various forms of meningitis; distinguishing features of tabes dorsalis, brain abscess, aspergillosis, toxoplasmosis, arbo viruses.

• Topics unmentioned above will be covered as presented. Exams questions will be based on ALL material we have had, including pathology, pharmacology, physiology, and biochemistry as these are all important areas to understand in addition to the pathway information. If you are unsure about the topics covered, ask for clarification.