Didactics Outline 5/22/2019

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| For those presenting the material, YOU ARE NOT OBLIGED TO PRESENT EVERY LITTLE DETAIL YOU READ.  Focus on the **big picture**, **high yield topics** and WAYS TO KEEP THE ROOM **STIMULATED.** Use different multimedia sources such as videos, whiteboard to make it interactive.  Summarize every lecture with **3 significant points** you want the residents to remember.  \*\*Reading the material is for our own benefit. Didactics is not a regurgitation of what we read, but should act as a supplement and motivator for learning, and to lead to improved clinical practice. |

**DIDACTIC FACULTY: Dr. Monticciolo**

**LECTURE FACULTY: Dr. Calice**

* Miri will review **measles, DKA vs. HHNS**
  1. Discuss current outbreak by the numbers and affected regions
  2. Discuss how to distinguish measles from other rashes, including mumps, rubella, etc.
  3. Discuss measles treatment options
  4. Discuss ideal treatment of DKA/HHS, including potassium levels and insulin
  5. Discuss fluid type and rate for pediatric DKA (reference PECARN DKA Fluid trial)
* Hanley will review **acid base disturbances**
  1. Discuss how to evaluate acidosis vs. alkalosis and respiratory vs. metabolic
  2. Discuss when to use Winter’s formula
  3. Analyze the following patients
     1. 40 yo F with DM: pH 7.32, pCO2 28, pO2 90, Na 140, Cl 100, HCO3 14
     2. 19 yo M with AMS: pH 7.43, pCO2 20, pO2 90, HCO3 12, Na 140, Cl 107
     3. 60 yo M in resp. distress: pH 7.25, pCO2 60, pO2 90, HCO3 26, Na 136, Cl 100
     4. 35 yo F with hyperemesis gravidarum: pH 7.51, pCO2 49, pO2 100, HCO3 38, Na 148, Cl 100
* DeGryse will review **critical care cases**
  1. Discuss 3-4 critical care cases on the white board
  2. Include at least one case of acid base disturbances
* Mueller will present **international medicine**
  1. Discuss benefits of international medicine
  2. Discuss practice limitations when abroad
* Jami Boyd: Sepsis update 8-8:15
* Eric Seger: IRA’s 8:15-9
* Oral Board Case: Drs. Monticciolo and Tran
* Dr. Klosterman: Breaking bad news 12:30-1
* EKG/Radiology of the week: Dr. Calice