

## 01/12/24 Morning Report with @CPSolvers



"One life, so many dreams" Case Presenter: Julia Ding (@\_juliading) Case Discussants: Reza (@DxRxEdu) and Rabih (@rabihmgeha)

<ul> <li>CC: 61M who presents to ED with malaise, diarrhea and headache</li> <li>HPI: 3 days prior, during flight from Guinea to Atlanta, presented flu like symptoms. This was associated w/ decreased appetite, felt cold, difficulty walking, body aches, imbalance and dizziness. Patient fell and hit head and has had frontal headache since. Also presented diarrhea and dry cough. No N/V. Has never had a similar episode before</li> </ul>		Vitals: T: 37.7 C/ 99 F HR: 111 BP: 107/73 RR: 20 99% Exam: Gen: AAO x4, no acute distress HEENT: conjunctival icterus. Perioral rash with crusting CV: NRRR, no extra sounds, no peripheral edema Pulm: Clear to auscultation bilaterally Abd: diffuse tenderness in 4 quadrants Neuro: moves 4 extremities Extremities/skin: perioral rash Notable Labs & Imaging: Hematology: WBC: 9.4 (81% Neutrophils, 14% lymphs, 2.6% monos, 0% eos, 1.8% atypical lymphocytes w/ toxic granulations) Hgb: 12.7 Plt: 73k Chemistry: Na: 132 K: 4 Cl: 94 HCO3: 21 BUN: 31 Cr: 1.7 (BUN/Cr 18.2)	Problem Representation: 61M w/ PMH of DM and HTN presented 3 days after travel to Guinea with headache, malaise and diarrhea. On ED found HR 111, BP 107/73, Icteric with hyperbilirubinemia, elevated liver enzymes and found to have ringed trophozoites on blood smear consistent with Malaria
			<ul> <li>Teaching Points (Bettina):</li> <li>When symptoms refer to distant organs, is there a systemic disease involving both organs or is one of them is a distractor (referred pain)? Systemic disease causing nonspecific vs. presence of focalities?</li> <li>Identify how bad each organ is affected</li> <li>Most alarming is neurologic (is dizziness caused by orthostatic vs. spinal cord issue) so establish respiratory support, volume status</li> <li>Exogenous (viral, tick-borne, endemic mycoses, mosquito-borne) vs. endogenous</li> <li>Exogenous usually cause systemic symptoms</li> <li>Endogenous infections are more morbid when not contained (manifest as bacteremia, fungemia)</li> <li>If vital signs are very abnormal → <i>S. aureus</i> bacteremia in DM patient or devastating exogenous infection (malaria)</li> <li>If underwhelming VS, metastatic endogenous infection less likely</li> <li>Environmental exposure is crucial (season, travel, immune status)</li> </ul>
Meds: Metformin Lisinopril	village where there was livestock but he did not have close contact. Had a tick once. No pets. Drank bottle water. Ate lamb and fresh vegetables from a farmer's market.		