

01/12/24 Morning Report with @CPSolvers



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

 CC: 61M who presents to ED with malaise, diarrhea and headache 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 		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
			 Teaching Points (Bettina): 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? Identify how bad each organ is affected Most alarming is neurologic (is dizziness caused by orthostatic vs. spinal cord issue) so establish respiratory support, volume status Exogenous (viral, tick-borne, endemic mycoses, mosquito-borne) vs. endogenous Exogenous usually cause systemic symptoms Endogenous infections are more morbid when not contained (manifest as bacteremia, fungemia) If vital signs are very abnormal → <i>S. aureus</i> bacteremia in DM patient or devastating exogenous infection (malaria) If underwhelming VS, metastatic endogenous infection less likely Environmental exposure is crucial (season, travel, immune status)
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.		