

## 04/9/24 Morning Report with @CPSolvers



"One life, so many dreams" Case Presenter: Yazmin (@minheredia) Case Discussants: Rabih (@rabihmgeha)

CC: 57 y/o female AMS  HPI: Come from another clinic with AMS, she didn't remember how she ended in the hospital.  3 days ago fever, malaise, cough, night sweats, anorexia, nausea, vomiting.  And diarrhea for weeks.		Vitals: T: 37.9 HR:120 BP:130/80 RR: 30 4 liters of NC Exam:  Gen: Chronic ill appear, can't answer questions, look tired HEENT: Oral cavity white plaques can be scraped off CV: Tachycardic, no murmurs Pulm: Bilateral crackles (right side more than the left) Abd: Soft non tender, non distended, no splenomegaly Neuro: Oriented, no focal deficits Extremities/skin: Dry skin  Notable Labs & Imaging: Hematology: WBC: 1.83 (N71% L22%) Hgb: 9.7 Plt: 377 Chemistry: BUN: 40 Cr:1.08 glucose: nl AST: 87 ALT: 27 Alk-P:124 lactate 1.7 ABG: 7.6 PCO2 20 PO2 75 HCO3 19 (on 4 liters of NC) Anion gap 18 UA: negative Sputum: Pseudomonas positive	<b>Problem Representation</b> : 57 y/o female with AMS and constitutional symptoms. Present with positive tests for HIV, pseudomonas and cryptococcus.
			Teaching Points (Parisa):  AMS→ MIST; metabolic, infection, structural, toxins.  We need to address acute syndrome first (AMS) then address other subacute symptoms.  Most life threatening causes of AMS are 4Ss, considering her PMH she is in risk for all categories: seizure; stroke; sugar(hypoglycemia); substance intoxication => sugar(nutritional hypoglycemia), naloxone(heroine), hemorrhagic stroke over ischemic, seizure(traumatic brain injury).  Steps → 1) Finger stick glucose 2) Opioid intoxication pupil examination & respiratory rates (naloxone) 3) Stroke & Seizure(if 1&2 are not present)  3)IV access (ultrasound guided blood access considering her IV drug abuse) 4) 3 Blood culture is needed (infective endocarditis) 5) chronic viral
None		Imaging:	<b>Opioid use disorders</b> → If she has another cause of AMS it is <u>not best</u> decision to give her naloxone; withdrawal as she is not using while
		CT head w/ contrast: No intracranial hemorrhage	hospitalized.
Meds: None	Soc Hx: Lives in the streetCT lung: Consolidations, no bronchogram, no embolism.thrush; kaposi sarcoma; LAD; GGO (bibasilar crackles).Treatment Vancomycin + cefepime Legionella, Toxi, CMV, Hep C, B negativeGGO (bibasilar crackles).Organs ⇒ Lung → CAP(strep	Symptoms raise concern for HIV Infection → weight loss; prior STD; thrush; kaposi sarcoma; LAD; leukopenia (lymphopenia); proteinuria; GGO (bibasilar crackles).  Organs => Lung → CAP(strep) & PJP testing, Brain → cryptococcal meningitis, Liver → Hepatitis in patients with HIV (MAC avium; syphilis)	
	Health-Related	HIV: positive VIRAL load 6000 CD4: 3	<b>Routine blood tests in HIV</b> → STI; blood culture(bacteremia); MAC(AFB
	Behaviors:	Treated with cryptococcosis → added fluconazole and bactrim, ceftriaxone	blood culture); cryptococcal meningitis; LDH; beta D glucan (PJP)  Treatment→ ceftriaxone and doxycycline + hydration
	Inject heroin 1-2 times a week	After 2 weeks fevers, the patient presented w/ chest discomfort  CT: Pseudomonas exacerbation  Rate of ba	Common infection in HIV → strep pneumonia Rate of bacteremia in HIV in 10 times higher than normal population.
	Allergies: Denied	Dx: Acute retroviral syndrome, cryptococcemia, ceftriaxone induced lung injury, Pseudomonas infection	In strep pneumonia rate of endocarditis is low.  Vast majority of patients with HIV usually have <b>invasive bacterial diseases</b> more than fungal diseases.