

in a 37 y/o F

CC: Altered mental status for 2 days

11/25/23 Morning Report with Northwell Health IM Residency Program & @CPSolvers

Vitals: T: 100.7 F HR: 118 BP: 112-130/70 RR: 16 SpO2: 97

Exam: Gen: appeared uncomfortable



Problem Representation: 37 y/o female with 2 days of altered mental status,

fevers and rash, and PMH of ESRD, presenting after recent admission for PNA &

Case Presenter: Shreya Srivastava (@ssShreya1) Case Discussants: Kirtan (@KirtanPatolia) Ayesha (@AyeshaGhoto) and Sara (@sarazhous)

HPI: 2 days of AMS. Recent admission for		Pulm: wheezing and crackles bilaterally Neuro: A&O x 1-2, waxing & waning. Extremities/skin: R-IJ catheter. No notable purulence. Erythematous, desquamative	acinetobacter bacteremia. Labs reveal transaminitis, hyperferritinemia & hypertriglyceridemia. Found to have HLH 2/2 mycobacterial infection.
pneumonia - d/c'd 5d prior to this presentation. History of acinetobacter + blood cultures. 2d prior to presentation, still being treated w/ gentamicin/vancomycin ROS: positive for AMS, confusion, full body rash (desquamative, no mucosal involvement), fevers for 2d		skin without mucosal involvement. Notable Labs & Imaging: Hematology: WBC: 2.26 Hgb: 8.1 Plt: 116 Prior admission: CBC: WBC 5-6, Hgb 8.1, Plt 200k Chemistry: Na: 130 K: 3.2 Cl: 99 BUN: 39 Cr: 5.86 HCO3: 13 Mag: 1.4 Phos: 4.8 AST: 551 ALT: 279 Alk-P: 228	Teaching Points (Tansu): AMS: MIN(S)T, Localization x Time course Rash: infection 2/2 pneumonia? Or 2/2 to tx for pneumonia (beta-lactams)? // SIRS-like picture 2/2 to infection, or drug used for tx? Characteristics of the rash: maculopapular, petechnial, pruritic, involvement of mucosa (SJS-TEN) // Desquamative- TSS rash vs. DIHS. Usually w/ these etios: desquamation happens 1-2 weeks after the rash, here desquamation is right away. Endocarditis → IC deposition in the
PMH: ESRD on	Fam Hx: N/A	LDH: 3259 Hapto: 184 Uric acid: 5 Ferritin: >100,000 Triglycerides: 620 RVP (incl Covid), hepatitis panel, HIV: negative	vasculature → Vasculitis type rash. Listen for a murmur. Persistent blood cx: Wrong drug, resistant bug, inadequate source control, drug cannot penetrate the abscess in the lung 2/2 to PNE? Transaminitis: Infections (bacterial, viral, tick borne (babesia, ehrlichia),
dialysis 2/2 preeclampsia Catheter in place Preeclampsia	Health-Related Behaviors: N/A	EBV: prior infection, not active. CMV: negative Ehrlichia, babesia: negative Repeat blood cultures: + acinetobacter, S. epidermidis AFB: positive for mycobacteria	drug mediated) → Keep in mind transformation to next stage (e.g. HLH) Pancytopenia: Was Hgb higher before? Central (BM process) vs. peripheral (Next step: ESR, CRP; LDH, hapto, coombs, ferritin, PBS, USG to evaluate for splenic seq). // Low likelihood: TSS, DRH/DRESS (liver
Meds: Gentamicin Vancomycin	Allergies: none.	Imaging: EKG: NSR CXR: normal CT Head: normal CT chest: bilateral GGOs CT abdomen: retroperitoneal & pelvic adenopathy Echocardiogram: normal	involvement, no pancytopenia). Time course against lymphoproliferative dz. Fungal- would not cause disseminated mp-rash. // Hyper-ferritin, high LDH: fast cell turnover at BM/periphery, 2/2 MAS, HLH W/U: EBV, CMV, Covid-19, atypical bacterial serology blood cultures, ehrlichia, babesia serologies, bacterial source eval w/ blood cx.,
Labetalol Nifedipine Isosorbide dinitrate NaHCO3		Hospital course: worsening dyspnea, tachypnea -> intubation. Non-responsive even off sedation; consulted neuro & imaging done. MRI: + PRES. Lymph node biopsy: negative for malignancy. BM biopsy: + for HLH. Dx: Hemophagocytic Lymphohistiocytosis 2/2 Mycobacterial infection	triglycerides. HLH, sepsis → at risk of developing PRES. Final DDX: GGOs → Pus filling the alveoli, systemic bacterial infs (legionella, steph, staph, acineto, listeria) vs. inhalation (atypical bugsleptospirosis, yersinia, anthrax), hantavirus pulm. Syndrome. BAL for PJP. Urine histo, blasto.