



01/29/25 Morning Report with @CPSolvers

“One life, so many dreams” Case Presenter: David Serantes (@davserantes) Case Discussants: Sharmin(@sharminzi) & Reza



<p>CC: malaise, myalgia, abdominal pain</p> <p>HPI: 30 Y/M coming in with malaise, myalgia in shoulders and cervical region abdominal pain with N/V No rash, no dysphagia.</p> <p>Admitted to the hospital 1 month ago for subacute course of fever, arthralgia, rash suspected to be Still's started on IV prednisone and later to oral steroids</p> <p>Negative microbiology & autoimmune Workup. PET CT: Hyper Nodular activity</p>	<p>Vitals: T: afebrile BP: 120/66 mmHg: 20HR: 88 bpm Sat:98@RA Exam: Gen: not acutely ill. HEENT: small B/I cervical lymphadenopathy CV: wnl, Pulm: wnl Abd: tenderness epigastric area, no hepatosplenomegaly, Murphy neg MSK: folliculitis lesions (mild)- resolved later</p>	<p>Problem Representation: Young guy with possible still's disease presenting with Acute Liver Failure Dx as: Fulminant Hepatic Failure 2/2 HHV 6.</p>	
<p>PMH: None</p> <p>Meds: Prednisone 10mg Acetaminophen ibuprofen</p>	<p>Fam Hx: None</p> <p>Soc Hx: non smoker, non-alcoholic. No illicit use of drugs</p> <p>Health-Related Behaviors: lives in south spain, contact with horses.</p> <p>Allergies:</p>	<p>Notable Labs & Imaging: Hematology: WBC: 8.7, Diff- NI, Hgb: 16.5Plt:177K Chemistry Na: 137K: 4.8Cr:0.8 BUN: 14 Glu:100 CRP: 1.3 LDH: 580 AST:1400 ALT:1900 ALP: 70, Ind Bili:2.75, direct bili: 1.4, alb:4, TP: 7.8 GGT: 115, lipase: 45, CK: 120. Pro BNP: 40, Trop: NI, ferritin: 4200-40,000 Procal: NI VBG:Ph: 7.38, HCO3: 28, lactate: 1 INR: 1.25, PTT: 30, fibrinogen: 240(nl) UA: trace protein, urobilinogen: Positive HSV, HBV, HIV: neg Blood & Urine culture: neg PCR + for E coli, campylobacter, CMV IgG EBV IgG(+), Rickettsia, PCR dengue, chikungunya, Brucella, Borrelia, Coxiella: Neg Two days after admission- Bilirubin: 7, INR: 2.5, Liver enzymes: 2000s, hypoglycemia. Started on acyclovir, Doxycycline and NAC progressed to acute liver failure. Acetaminophen levels: NI Imaging: USG : NI, GB wall slightly increased, no bile duct dilation. No ascites, doppler:NI Copper: NI, C282 hetergenosity, H63D: Neg. Autoimmune liver workup: Neg Further complicated by Hepatic encephalopathy. Liver Biopsy: Unknown. Received Liver transplantation. PCR for HHV 6: + Dx: Fulminant Hepatic Failure 2/2 HHV 6(possibility due to immunosuppression)</p>	<p>Teaching Points (Seyma): Autoinflammatory vs autoimmune (targeting specific antigen) AOSD: Yamaguchi-criteria (joint pain, neutrophilic leukocytosis, fever, salmon-colored rash etc) Patients w/ underlying autoimmune/autoinflammatory conditions: Accurate dz ? Flare-up (and what manifestations of flare/complications need acute intervention)? Complication of dz itself (e.g. hypercoag), Drug-related complications (immunocompromised?, Adrenal insufficiency 2/2 steroids), Is it unrelated?, Later: How was the dx made? Pustular skin lesions: SNAPE (non-infectious mnemonic): SAPHO, Neutrophilic dermatoses (Sweet syndrome, Behcet), Autoinflammatory (Pyoderma gangraenosum, Still's), AGEF, Pustular psoriasis, Eosinophilic folliculitis (Ofuji-syndrome) AST or ALT >1000: severe acute liver injury → prioritize drugs (parenchyma: infection (viral: Herpes-, Hep virus, HIV, Yellow fever), drugs & herbal supplements (Tylenol, Green Tea, Augmentin), autoimmune, Wilson, HLH, infiltrative malignancy; pregnancy (HELLP), plumbing: biliary, ischemic) + HE & INR >1.5 → Acute Liver Failure AST >ALT: could be extrahepatic e.g. from muscle in absence of alcohol, but be aware that ALT has longer half-life (could be also ALT = AST or even ALT >AST) Hyperferritinemia: HLH, MAS, AOSD, Histo, PJP, ALF, severe sepsis, hemochromatosis Final note: AOSD → high dose steroids → higher risk for fulminant Herpesvirus (here: HHV6) infection</p>