



10/5/23 Virtual Morning Report with @CPSolvers

"One life, so many dreams" Case Presenter: Umbish (@UmbishD) Case Discussants: Rabih Geha (@rabihmgeha) and Amanda Barreto (@amandabarreto2)



<p>CC: 79 yo male presenting to ED with SOB for 1 week</p> <p>HPI: Diagnosed with RA with ILD in the past, not on home O2, increasing SOB with productive cough and sputum, no change in color of sputum, fever spikes 101, temporarily relieved by tylenol, weak & lethargic, stops to catch breath while walking</p> <p>Review of system mostly unrevealing except for Right calf pain that goes away with rest, vascular study normal.</p>	<p>Vitals: T:101 HR: 108 BP: 100/60 RR: 30 SpO2: 86% RA -> 3L O2 (hypoxic)</p> <p>Exam:</p> <p>CV: no murmurs or added sounds</p> <p>Pulm: crackles all over the lung fields</p> <p>Abd: normal</p> <p>Neuro: Ax3,</p> <p>Extremities/skin: trace b/l pitting edema</p>	<p>Problem Representation: A 79yM w/ PMH of RA associated ILD who was on Adalimumab presents w/ worsening SOB, productive cough and fever for 1 week, hypoxemia and chronic pancytopenia. Imaging notable for b/l irregular patchy opacities in centrilobular pattern, reversed HALO-sign and focal RLL consolidation.</p>	
<p>PMH: Rheumatoid Arthritis, ILD HTN, CAD, DVT</p> <p>Meds: Tylenol Humira (Adalimumab) Apixaban Amlodipine</p>	<p>Family Hx: NA</p> <p>Soc Hx: Non smoker, does not drink alcohol</p> <p>Health-Related Behaviors:</p> <p>Allergies:</p>	<p>Notable Labs & Imaging:</p> <p>Hematology: WBC: 3.6 Hgb: 8.6 Plt: 84k → chronic pancytopenia O2 requirement increased to 6L on day 2. 8L Face mask on Day 3. HFNC 80% of inspired O2;</p> <p>Chemistry: BMP (electrolytes) normal, Creatinine normal, normal LFTs Sputum culture, Urine Legionella, MRSA nares: negative Troponin, BNP 205, LDH 300 Empiric abx w/ Ceftriaxone, Azithromycin → Day 2: Cefepime+Vancomycin+Azithromycin; Day 3: Face mask 8L oxygen</p> <p>Imaging: CXR: B/l patchy opacities and interstitial infiltrates CT chest: focal area of consolidation on RLL + b/l irregular opacities in centrilobular distribution Increase in the opacity in periphery of lung, no definite honeycombing. Urine & serum beta-D glucan + , PCR + for PJP, urine histoplasma and serum galactomannan: negative. Started on TMP-SMX and steroids.</p> <p>Final dx: Cryptogenic organizing pneumonia (COP) & PJP pneumonia</p>	<p>Teaching Points (Maryana):</p> <p>SOB: lung x heart -> Lack of orthopnea - lung SOB + fever: infections, inflammatory diseases Signal x noise: complaints related to the current disease x previous Patient using Immunosuppression: opportunistic lung infections Common for immunocompetent: influenza, s. Aureus, entamoeba, candida</p> <p>For immunocompromised patients -> Right thing to do: do not shift, but expand -> JC. virus + nocardia + toxoplasmosis, PJP</p> <p>Empyric atb x Specific atb - always start empyric atb if:</p> <ol style="list-style-type: none"> 1) pt too sick to wait for cultures 2) you are too confident about diagnosis <p>Always start atb in: Sepsis, neutropenic fever, rigors -> high risk for decompensation or severe diseases</p> <p>CXR with patchy opacification: Fluid x blood x pus Pancytopenia: infection causing bone marrow x bone marrow problem Pancytopenia + RA: Felty syndrome</p> <p>Organizing pneumonia: rare condition, abnormal reaction in the lungs - can be related to autoimmune diseases. Life-threatening! Start on steroids if suspected.</p> <p>Ddx: Unusual infection x inflammation in the lungs due to RA Disease restricted to the lungs -> think in opportunistic infections that only affect lungs: fungus Diagnosis ended up being both of the differentials.</p>