



04/16/21 Morning Report with @CPSolvers



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<p>CC: worsening SOB</p> <p>HPI: 56 year old M with hx of cough presents with gradually worsening SOB for 1 month, associated with low-grade fever. Worsening pain and swelling of fingers. No chest pain</p>	<p>Vitals: T:37.8 HR: 97 BP: 140/76 RR: 25-30 SpO₂: 95% on 2L</p> <p>Exam: Gen: alert CV: no JVP, no murmurs Pulm: fine inspiratory crackles at mid-zone Abd: soft, no organomegaly Extremities/Skin: no rashes, swelling of MIP, PIP joints - non-tender, no edema</p>	<p>Problem Representation: 56yoM w/ PMH of RA diagnosed 3 years ago p/w worsening cough and SOB for 1 month a/w fever, pain, and swollen fingers. Labs showed high CRP and high procalcitonin w/ positive RF found to have ILD on imaging.</p>
<p>PMH: RA - diagnosed 3 years ago</p> <p>Soc Hx: Works as electrician in Bangkok Thailand, lives in Malaysia</p> <p>Meds: anti-TNF Methotrexate - recently added Statin</p> <p>Health-Related Behaviors: Former smoker</p>	<p>Notable Labs & Imaging: Hematology: WBC: 5 (neutrophilic) Hgb: 12 Plt: 437 CRP 115 (H), Procalcitonin - 0.06 (H)</p> <p>Chemistry: Electrolytes nl AST: nl ALT: nl Alk-P: nl T. Bili: nl Albumin: 32, Protein 73 RF 1077 (less than 30 is nl), ANA 1:40, nl complement U/A - no proteinuria Mycoplasma IgG 1:60, viral resp panel neg, blood cx - neg Sputum Gram stain neg, TB quantiferon indeterminate, HIV neg</p> <p>Imaging: PFT: 66% FC, 57% DLCO (nl is 75%), desat to 92% on walk test; Echo: normal systolic ejection fraction, no vegetations; CT lung - fine basal reticular fibrosis, patchy areas of ground glass, alveolar consolidation Provisional diagnosis: exacerbation of ILD precipitated by Mycoplasma - d/c on prednisolone, initially improved. 3 weeks later - presented w/ low grade temp, persistent cough, 2kg weight loss, CXR - new infiltrates BAL: MTB PCR positive</p> <p>Final Diagnosis: TB exacerbating ILD</p>	<p>Teaching Points (Priyanka):</p> <ul style="list-style-type: none"> ● Clin Pearl: When you see cough + other Sx → usually approach the other Sx. <ul style="list-style-type: none"> ● Low grade temp → inflammation ● SOB → base rate approach, prioritize most common causes (95% of SOB is localized to the heart or the lung, less likely Neuromusc disease, autoimmune, rheum causes, anemia) <ul style="list-style-type: none"> ● Heart- pericardium, epicardium, endocardium ● Lung- airway, alveoli, interstitium ● Pain and swelling of fingers- likely arthritis BUT consider: periarticular (bone, ligament, bursa, tendon) dz of the bone, hypertrophic osteoarthropathy, dactylitis <ul style="list-style-type: none"> ● IF arthritis: RA- pleuritis, nodules, ILD; Scleroderma; Sjogrens (rare); SLE ● TNF α inhibitors - increase the risk for granulomatous infections such as TB and MAC + granulomatous malignancies like lymphoma ● Crackles- pus, water, blood, ILD, protein, cancer cells ● RA: arthritis - appendicular > axial, spares DIP, T/L spine; consider extra articular manifestation (serositis, ILD, nodules, vasculitis) -- increased degree of titer of RA more likely to have EAM ● Clin Pearl: Autoimmune dz: manifestation of AI dz, disease flare, hypercoagulable, side effect of medication (anti-TNF med, secondary infection?) ● PFTs: FVC-measures difficulty exhaling air, low DLCO- CO not diffusing as well, alveolar vs vascular problem → study the image- can help localize ● Subacute pulm parenchymal disease- infection, malignancy, ILD (focus 2/2 AI dz) <ul style="list-style-type: none"> ○ ILD- RA (pulm airway dz-- NSIP- subpleural sparing, cryptogenic organizing opacities, IPF- honeycombing, COP; pleural dz- usually spares vessels), world (exogenous, HP), idiopathic ● Persistent Pulm dz points to Infection - granulomatous infection-- mycobacteria, MTB, other granulomatous infections (milioidosis); fungi (TNF blockers can trigger PJP),