

CarilionClinic

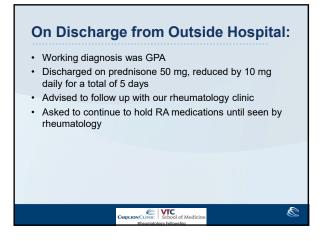
EV is a patient of Carilion Rheumatology with history of seropositive non-erosive rheumatoid arthritis (RA) on adalimumab and leflunomide

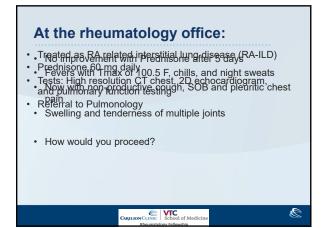
- Medications held after recurrent urinary tract infections
- One month later, patient presented to local ED with shortness of breath and pleuritic chest pain x 5 days
- Computed tomography (CT) chest obtained which suggested cavitary lung lesions
- Transferred to nearby non-Carilion hospital for further evaluation

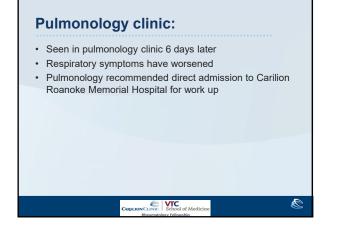
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Initial Differentials and Thoughts? Infection (bacterial, fungal, atypical, and viral) Malignancy (primary or metastatic) Vasculitis (granulomatosis with polyangiitis [GPA]) Other Inflammatory process (RA, sarcoidosis, etc.) Drug reaction

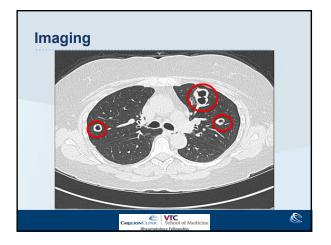
Outside Hospital Work Up: Laboratory test Value Ref range ESR 0-30 69 mm/hr CRP, Non-cardiac 89.5 <5 mg/L ANCA testing Negative Infectious testing Negative Bronchoalveolar Lavage • Cell count with predominance of lymphocytes • Bacterial (including TB) and fungal cultures negative Presence of hemosiderin-laden macrophages CARILION CLINIC School of Medici 8



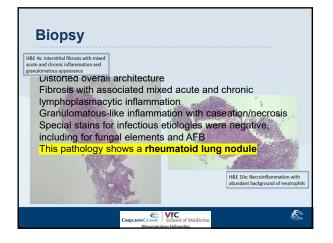


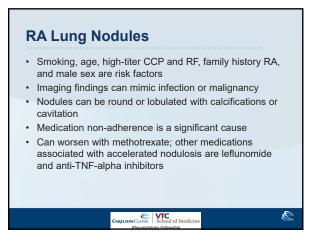


ESR 37				
		69	0-20	mm/hr
CRP 0.4	42	89.5	<1.0	mg/L
ANCA testing Ne	egative			
Infectious work up Ne	egative			
Repeat BAL Fur	ngal, AFE	B, and bacte	rial stains negative	









Key points Acknowledgements Emma Greear DO, PGY-5 • RA lung nodules may be related to the course of the disease or drugs that treat RA Hyder Husain DO, PGY-4 · Accurate diagnosis is imperative as infection and Viraj Shah MD, PGY-4 malignancy have similar appearance on imaging · Biopsy confirms the histopathological features of the Special thanks to our faculty mentors Dr. Khalique, Dr. nodule Croteau, Dr. Henderson, Dr. Nwaonu, and Dr. Verma · Treatment includes stressing compliance with meds, changing RA meds, or surgery (rare) CARILION CLINIC School of Medic CARILION CLINIC School of Media C C

