

12/02/24 Rafael Medina Subspecialty VMR with @CPSolvers

"One life, so many dreams" Case Presenter: Franco Murillo () Case Discussants: Brendan Denvir (@), Dr. Michael Cammarata (@)

<p>CC: periorbital swelling and joint pain</p> <p>HPI: 77 year old presented with 2 weeks of left periorbital swelling. He reports that 1 month ago has URI(self-limited productive cough, hoarseness and intermittent fever). At that time, he went to his PCP and got a prescription for azithromycin and prednisone. His symptoms resolved shortly after however 2 weeks before admission he reported left orbital swelling and bilateral wrist and right knee pain and recurrence of fevers</p>	<p>Vitals: T: 39 BP: 130/70 RR:18 Sat: 96 HR:95</p> <p>Exam: Gen: not ill appearing</p> <p>HEENT: left periorbital edema, no oral ulcers, redness around eyelid</p> <p>CV, Pulm: non significant</p> <p>Abd: nontender, nondistended</p> <p>Neuro: AOX4, left foot drop, no paresthesias</p> <p>Skin: no rash, no plaques</p> <p>MSK: no synovitis, pain with flexion and extension, no effusion</p>	<p>Problem Representation: 77 year old male presented with 2 weeks of left periorbital swelling who was found to have VEXAS</p> <p>Teaching Points (Dan):</p> <ul style="list-style-type: none"> - <u>Initial approach to periorbital swelling:</u> Focus on eye. Redness? Intact EOM? CN intact? Vision? Consider involving Optho colleagues. Initial ddx: Infection? GPA vs IGG4-related disease? - <u>Arthralgia:</u> joint pain (e.g. viral illness w/ joint ache) vs. <u>Arthritis:</u> pathology of joint <ul style="list-style-type: none"> - Serum sickness associated with rituximab (chimeric mAb) - Foot Drop ddx: consider Cryoglobulinemia vs ANCA-associated vasculitides vs SLE/RA. Consider EMG/NCS w/ muscle bx. - Anemia + Elevated MCV: consider liver disease, B12, Folate, & consider VEXAS - Urine protein:creatinine ratio to better characterize proteinuria - ANCA: test of indirect immunofluorescence - Rituximab: anti-B cell therapy. Measuring anti-PR3 and c-ANCA may be less helpful (more likely to have lower levels of Abs) - Generally look for concordance between c-ANCA and anti-PR3 vs p-ANCA and anti-MPO - GPA in Kidneys: crescentic, necrotizing glomerulonephritis which can be focal & segmental - Diffuse glomerulosclerosis seen on kidney bx suggests chronic process - Final ddx: infection vs GPA vs VEXAS vs underlying malignancy - VEXAS: 10-20% of population with mutation can develop vasculitis - Cytopenias in vasculitis are less common. Typically see normocytic anemia w/ thrombocytosis. - Macrocytosis or thrombocytopenia w/ relapsing polychondritis: increased pre-test probability for VEXAS (happens in old males)
<p>PMH: Pemphigus vulgaris rituximab x4 , remission</p> <p>Meds: Atorvastatin tylenol</p>	<p>Fam Hx: no</p> <p>Soc Hx: no</p> <p>Health-Related Behaviors: no</p> <p>Imaging: CT chest: bilateral lung nodules with bilateral pleural effusions CT Abd/plv:unremarkable MRI orbit: soft tissue swelling around left periorbital area Kidney bx: glomerulosclerosis, tubulointerstitial scarring, negative IF, no evidence of vasculitis</p> <p>Allergies: none</p> <p>Dx: VEXAS syndrome</p>	