

PMH: Vit D

01/03/24 Morning Report with @CPSolvers



"One life, so many dreams" Case Presenter: Navpreet Singh Cheema (@navpreetcheema1) Case Discussants: Steph (@StephVSherman) and Zaven (@sarqsyanz)

CC: A 69 yo female presents with c/o b/l LE swelling and pain.

HPI: PCP for swelling of b/l calves-> LE US negative for DVT-> Lasix-> No improvement -> Inc dose -> Swelling progressed to involve b/l thigh and lower abdomen-> FR visit.

Right hand numbness and b/I UE swelling were also noted.

ROS: Negative for chest pain, dyspnea, joint pains, headache & fever.

Fam Hx: NA

deficiency,
hypothyroidism,
GERD,
Hyperlipidemia

Soc Hx: NA

Health-Related
Behaviors: NA

Health-Related
Behaviors: NA

Allergies: NA

Vitals: T:Afebrile HR: 68 BP:144/67 RR:18, SpO2 97% Exam:

Gen: Alert oriented

HEENT: nl CV: nl

Pulm: dec b/l breath sound, crackles bl lung field

Abd: nl Neuro: nl

Extremities/skin: 3+ pitting edema b/l LE edema extending to mid thigh, b/l UE edema hand to mid humerus

Notable Labs & Imaging:

Hematology: WBC:15.7 (N79%, L12%) Hgb:7.3->6.8->7.5 (Post-transfusion), HCT 24

Plt:632, ESR 58, CRP: 2.38

Chemistry:
Na: K:5.8 Cl: HCO3: BUN: 60 Cr:3.0 glucose: Ca: Mag:
AST: 42 ALT:nl Alk-P: Albumin: 1.5 Total protein: 5.5

GFR 16

SPEP: NI, Complement level: NI, B culture & Urine Culture: Negative UA: Leukocyte esterase, + blood, 4+ RBC, minimal amount of proteins,

some WBC and granular casts
Anti GBM & Anti PLA2R antibody: Normal

U Spot 1094.5 (nl is 100), c-ANCA: 1320 Imaging:

CT Chest: Multifocal nodule b/l lungs (likely pneumonia), Benign Sclerotic lesion on ribs b/l

lesion on ribs b/l
LE US: Negative for DVT, Renal US: No nephrolithiasis, No hydronephrosis

Kidney biopsy: Active pauci immune focal crescentic necrotizing **GN**Rituximab & Steroids-> Sx improved including labs-> 6 mth F/U revealed improving anemia.

Dx: c-ANCA mediated pauci-immune crescentic Glomerulonephritis (Granulomatosis with Polyangiitis)

Problem Representation: 69F presenting with diffuse edema, nephritis, pneumonitis and bone lesions.

Teaching Points (Maryana):

- Unilateral: local causes inflammatory (cellulitis), venous obstruction // Inflammatory causes manifesting bilaterally: venous stasis. ervthema nodosum
- Bilateral: systemic process (heart, liver, kidney), medications
 (gabapentin) check other signs to have a clue where the problem
 is

Pain: acute (stretch of tissues) x patient reaction to physical exam // Arms swollen: anasarca? // Lasix didn't work: dose issue? Volume excess is not the problem? // Arm tingling w/ extrema edema - expected. Neurological exam to check if there really is neuro impairment - important to not go in the

Anasarca: medication compliance or excess use (thyroid disturbance - interstitial edema and deposition of glycosaminoglycans), nephrotic syndrome

Ddx: Crackles - lung congestion. CHF? // No JVD - less concern for HF // No ascites or jaundice: less concern for liver causes // No tachycardia - less

concern for thyroid disturbances

wrong direction.

Thrombocytosis, anemia, leukocytosis, hyperkalemia, low albumin - AKI? Nephrotic syndrome (maybe secondary)? Nephritic overlap (touch high BP, anemia) - membranous proliferative GN

Kidneys issue + pneumonia + bone lesions - all related to one condition X complication

Minimal amount of proteins on UA + hypoalbuminemia: importance of urine albumin to creatinine ratio

TOO MANY FINDINGS -> MAKE A PROBLEM LIST: Nephritis, pulmonary lesions, bone lesions. And then, ddx: MM? Plasma cell dyscrasia? Monoclonal gammopathy? Anca vasculitis?