



10/30/20 Morning Report with @CPSolvers



Case Presenter: Sanjay Patel (@buckeye_sanjay) Case Discussants: Reza Manesh (@DxRxEdu) and Rabih Geha (@rabihmgeha)

<p>CC: Finger numbness and pain</p> <p>HPI: 58M Bilateral fingers numbness and pain, gets worse at night, right > left. No fever, headache, SOB.</p>	<p>Vitals: T: Afebrile HR: 86 BP: 123/76 SpO₂: 99% room air</p> <p>Exam:</p> <p>Gen: Well appearance</p> <p>Neuro: Orientated. Strength 5/5, hand pain 4+/5 and right foot dorsiflexion 4/5. Babinski bilateral?. Gait normal, no upper lower cerebellar symptoms. Decreased monofilament sensation feet</p> <p>Extremities/Skin: Mild pedal edema</p>	<p>Problem Representation: 58M w/ PHx of uncontrolled DM and Hep C presents with bilateral finger numbness and pain. Exams showed a nephrotic range proteinuria, positive cryoglobulins and mononeuritis multiplex. Final Dx: Vasculitic nephropathy 2ry to cryoglobulins</p>	
<p>PMH:</p> <p>HTN Hep C CKD Congenital solitary kidney DM w/ nephropathy peripheral and neuropathy feet</p> <p>Meds:</p> <p>Metformin Insulin Nifedipine Aspirin Atorvastatin</p>	<p>Fam Hx:</p> <p></p> <p>Soc Hx:</p> <p>Night security guard 30 pack/y Alcohol 1-2 / month Past IV drug use</p> <p>Health-Related Behaviors:</p> <p></p> <p>Allergies:</p> <p></p>	<p>Notable Labs & Imaging:</p> <p>Hematology: WBC, Hgb, Plt: nl</p> <p>Chemistry:</p> <p>Cr:3.4 (2.6 baseline 3mo) Protein/creatinine ratio: 5.6 UA: 3+ protein no RC no white cells. US: normal bladder, hepatic steatosis. ALT 65 TP 6.2 Alb 2.5 HbA1c: 7.2 AST Billi AlkP GGT B12 RPR TSH HIV: normal Nerve conduction test: No link axonal loss proximal medial nerve bilateral (mononeuritis multiplex). Mild weakness dorsiflexion ANA ANCA CCP Cryoglobulins negative ESR, CRP high SPEP: Polyclonal gammopathy RF, Hb Surface Ab + (Surface antigen and core negative) Hep C viral load >5000, C3 89, C4 9 Ultrasound: Bilateral median nerves enlargement both wrist Nerve biopsy: Fibrinoid necrosis small vessel surrounding w/ inflammation consisted w/ vasculitis. Second Cryoglobulins positive Final Dx: Vasculitic nephropathy secondary cryoglobulins Tx: High dose steroids, Rituximab, Hep C antiviral tx -> Renal fx did not recover -> HD</p>	<p>Teaching Points (Sukriti):</p> <p>Neurological syndrome = Localisation x time</p> <p>A. Investigating the Sx: Numbness of thumb, index and middle finger = Bilateral CTS</p> <p>Bilateral involvement -- UMN pathology - Man-in-the-barrel syndrome (b/l ACA lesions)</p> <p>Distribution -- LMN pathology peripheral nerve - Amyloidosis (AL, TTR)</p> <p>Problem representation: Sx + time + context</p> <p>Diabetes + neurological syndrome = neuropathy, stroke, hyperglycemia; Vasculitic syndrome (diabetic cranial N infarction, myotrophy brachial/LS plexus, myonecrosis)</p> <p>B. Collecting Clues: Neuropathy -- focal vs polyneuropathy vs mononeuritis complex</p> <p>Working hypothesis:</p> <p>Diabetic neuropathy + CTS > Mononeuritis complex</p> <p>CTS: Amyloidosis -- age favors TTR - wild > genetic</p> <p>Mononeuritis complex: Vasculitis -- Diabetic vasculitic syndrome, Cryoglobulinemia, paraneoplastic, connective tissue disease (small vessel) > lyme disease, leprosy</p> <p>C. Formulating a hypothesis: Nephrotic syndrome + mononeuritis multiplex Non inflammatory glomerulopathy. + inflammatory nerve disease</p> <p>Amyloidosis TTR rarely affects kidney</p> <p>Clinical pearl: Although frequently causes nephrotic range proteinuria, rarely causes nephrotic syndrome</p> <p>D. Testing the hypothesis:</p> <p>Hep B serology -- surface Ab + core -ve -- Hep B vaccination hypocomplementemia -- Cryo (RF+) > Lupus (ANA -ve), post infectious</p>