



06/25/21 Morning Report with @CPSolvers



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<p>CC: Altered Mental Status</p> <p>HPI: 34 female p/w history of altered mental status for 2 weeks associated w/ right arm and lower limb weakness and bluish discoloration in toes. No headache or blurry vision, no bladder disturbances, no fever.</p>	<p>Vitals: T: Afebrile HR: 76 BP:120/80 SpO₂: 96% on room air.</p> <p>Exam:</p> <p>Gen: Comfortable. No pallor or jaundice.</p> <p>HEENT: No oral ulcers.</p> <p>CV: No murmurs, regular rhythm.</p> <p>Abd: No visceromegaly.</p> <p>Neuro: Disoriented to time and place, slow responses. Lower limb strength +4, predominantly in the right side.</p> <p>Extremities/Skin: Peripheral pulses present, toes were warm. Bluish discoloration in toes and small ulcers.</p>	<p>Problem Representation: 34F p/w progressive AMS, R arm and lower extremity weakness and blue discoloration of toes. Found to have thrombocytopenia, low C3, C4, positive anti-centromere ENA and MCA occlusion.</p>
<p>PMH: Recent COVID vaccine 1 week prior.</p> <p>Meds: None</p>	<p>Fam Hx: Youngest sibling.</p> <p>Soc Hx: Single.</p> <p>Health-Related Behaviors: Works in fishing industry. Smokes 10 cigarettes a day.</p> <p>Allergies: None</p> <p>Notable Labs & Imaging:</p> <p>Hematology: WBC: 9.2 (Normal differential) Hgb: 12.2 Plt: 90 000</p> <p>Chemistry: Renal function and electrolytes were normal. Albumin, CRP, Ferritin and CK-MB normal. UA: No protein, RBCs or casts. HIV Negative.</p> <p>Blood studies:</p> <p><u>Peripheral smear:</u> no schistocytes.</p> <p><u>Direct coombs test:</u> Positive. C3 0.71 C4 0.4 (low) ANA: 1/1280 DNAs negative, Anti-centromere ENA positive.</p> <p>PT: normal, PTT: 45 (prolonged).</p> <p>Mixing studies did not correct. Anti lupic ab: positives.</p> <p>Imaging:</p> <p><u>Brain MRI:</u> Multiple focal areas of infarction in both hemispheres in cortical and subcortical areas.</p> <p><u>Angiography:</u> Complete occlusion of section of Middle Cerebral Artery.</p> <p><u>LP:</u> 8 WBCs, elevated protein, normal glucose. PCR CSF negative.</p> <p><u>EEG:</u> Left temporal slow waves.</p> <p><u>Cardiac echocardiogram:</u> No vegetation or thrombus.</p> <p>Final Dx: Autoimmune vasculitis with scleroderma overlap 2ry to APLS.</p>	<p>Teaching Points (Kirtan):</p> <ul style="list-style-type: none"> • AMS and Bluish discoloration of toes - Always a concern in young and well patients. Presence of focal findings points to sinister pathology. Stroke always high on differential with unilateral weakness. Bluish discoloration could mean possibility of Raynaud, Cyanosis (due to lung/cardiac/toxic causes) or embolic phenomenon. • Clues from history and examination- Vaccine related adverse events always to be considered. Smoking can point to atherosclerosis. Marine environment may lead to V. vulnificus, NTM infections. Arterial blockage - Bland thrombus vs Septic emboli (IE vs Myxoma vs Malignancy vs Cholesterol/Calcium). Vasculopathy/Vasculitis always on radar. • Integrating the lab findings- Isolated thrombocytopenia means consumption process. Hypercoagulability despite low platelets zeroes down the possibility to APLA, VITT, MAHA, and some infections. • Putting the pieces together- Elevated aPTT despite clots points to APLA. Positive ANA, low complements, and age corroborates that suspicion. LA can explain isolated aPTT. APLA can even cause neurologic findings like Transverse myelitis, Meningoencephalitis