



10/29/21 Morning Report with @CPSolvers



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CC: Weakness, colored urine and emesis

HPI: 28 year old woman p/w a week of generalized weakness. 5 days ago presented dark-colored urine. 2 days ago started vomiting. 2 days later post hospitalization developed involuntary movements in 4 limbs. No abdominal pain or fever. No history of rashes.

PMH: None

Fam Hx: None

Meds: None

Soc Hx: None

Health-Related Behaviors: Sexually active.

Allergies: None

Vitals: T: Afebrile HR: 115 BP: 120/82 RR: 30 SpO₂: 95%

Exam:

Gen: Marked pallor

HEENT: Mild icterus. Right lateral tongue bite.

CV:

Pulm:

Abd: Mild splenomegaly

Neuro:

Extremities/Skin: Petchiae

Notable Labs & Imaging:

Hematology:

WBC: 15 000 Neutrophils 20% Lymphocytes 10% Hgb: 5.2 MCV 78 Plt: 10 000

Peripheral smear: Neg schistocytes, Neg Malaria.

Repeat peripheral smear: Plenty of schistocytes.

Chemistry:

Na: K: Cl: CO2: BUN: 10 Cr: 0.68 glucose: Ca: Phos: Mag:

AST: 80 ALT: 42 Alk-P: Normal T. Bili: 4.08 Indirect Bili 3.6 Albumin: Normal

LDH 2.08 Haptoglobin: low.

Hepatitis C, HbsAg, HIV neg. Leptospirosis, Dengue and malaria panel were neg.

Coombs indirect and direct neg. INR 1.2.

ANA profile neg.

PLASMIC score 6

Imaging:

MRI head: Normal

Final Dx: Thrombotic thrombocytopenic purpura (TTP)

Problem Representation: 28F p/w weakness, dark-colored urine and emesis. While hospitalized developed generalized involuntary movements. Exam showed R lateral tongue bite, splenomegaly and icterus.

Teaching Points (Gabriel):

- **Approaching generalized weakness + colored urine**
 - True weakness vs asthenia. Although those are not exclusive!
 - Dynamic weakness → asthenia. If weakness at rest, then think of true weakness
 - How dark urine help us?
 - *Concentrated urine first cause.* If it's one of the patient complains often points toward alternative causes.
 - Neuro symptoms + dark colored urine → AIP. Fluorescence in wood lamp helps!
- **Classical clinical presentation of AIP:** unexplained abdominal pain and new onset neuropsychiatric symptoms
- **Completing the puzzle:**
 - Lateral tongue bite → seizure
 - **Hemolytic anemia picture + low MCV** → could be explained by 2 different mechanisms
 - + Thrombocytopenia: Splenomegaly, MAHA, Evans syndrome, infections. Perform Coombs test and peripheral smear for narrow ddx.
 - If negative but still suspicious → **repeat testing** and move on different hypothesis
- **Finishing the puzzle:**
 - **Thrombocytopenia + anemia + neuro + MAHA** → TTP. Pentad rarely present!
 - **Triad:** Elevated LDH, Schistocytes, Thrombocytopenia