



08/09/21 Morning Report with @CPSolvers



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<p>CC: Fever and epistaxis</p> <p>HPI: 58F female with fever and epistaxis 2 weeks of fever, 2 recent episodes of epistaxis. On the day of admission: Pt p/w gingival bleeding after eating, no n/v, no bone pain or any other symptom. Only malaise with fever</p>	<p>Vitals: T: 37 HR:96 BP:100/70 SpO₂: 98%</p> <p>Exam: Gen: Not ill appearing, no oral ulcer HEEN, CV: wnl Pulm: wnl Abd: no tenderness, no guarding, no rebound, no organomegaly Neuro: Unremarkable Extremities/Skin: Multiple petechiae in lower extremities</p>	<p>Problem Representation: 58 F p/w fever and epistaxis. Physical exam is normal except for multiple petechiae in lower extremities. Low platelets, Hb and 4% atypical lymphocytes. BM: hypocellular, megakaryocyte and plaquetopenia. DX: Cytomegalovirus-induced ITP</p>
<p>PMH: CAP 1 year prior</p> <p>Meds: None</p> <p>Fam Hx: Father died of pancreatic cancer</p> <p>Soc Hx:</p> <p>Health-Related Behaviors:</p> <p>Allergies:</p>	<p>Notable Labs & Imaging: Hematology: WBC: 5500 Mild lymphopenia, 4% atypical lymphocytes Hgb: 9.3 MCV:93 MCH: 29 Plt: 1000 Chemistry: AST: 38 ALT: 105 T. Bili:N Albumin: N INR: 1.16 Ca: Normal Peripheral smear: atypical lymphocytes, low plat LDH: 304 Coombs direct and indirect negative Reticuloculocites: 1.4% B12 folic acid wnl ESR 15, HIV ne, Hep Neg, EBV negative, CMV: indeterminate IgG, IgM Iron studies: Iron deficiency Flow cytometry: no lymphoproliferative , myelogram: hypocellular bone marrow, megakaryocyte, severe plaquetopenia</p> <p>Steroids for presumed ITP, IVGG not done due to insurance CMV: positive IgM Viral: 29000 Antiplatelets: negative Refractory to steroids and responded to IVGG</p> <p>DX: Cytomegalovirus-induced ITP</p>	<p>Teaching Points (Gabriel):</p> <ul style="list-style-type: none"> ● Epistaxis ddx: <ul style="list-style-type: none"> ○ Anatomical: fragile vessels, dry mucosa. ○ Primary hemostasis problem <ul style="list-style-type: none"> ■ Quantitative: sequestration: splenomegaly, increased consumption or loss: TTP, DIC, Immune (ITP, meds, HIV, SLE, HCV, lymphoproliferative disorders) ■ Qualitative (meds, uremia, myeloproliferative disorders, congenital: vWF disease, glanzmann, bernard soulier) ○ Secondary hemostasis problem ● Collecting clues: <ul style="list-style-type: none"> ○ + fever: autoimmune conditions, malignancy, infections leading to coagulation disorders. ○ +gingival bleeding and petechiae: point toward a primary hemostasis problem. ○ + normocytic anemia: BM causes (malignancy, nutritional deficiency) vs peripheral (MAHA: TTP, HUS, DIC). Keep in mind these could be separate process. <ul style="list-style-type: none"> ■ <i>If there's no clear etiology for a bicytopenia, perform a BM biopsy</i> ○ Anemia being explained by iron deficiency, BM biopsy and flow cytometry showing no signs of lymphoproliferative disorders → ITP on the top <ul style="list-style-type: none"> ■ In comparison w/ lymphoproliferative disorders, the thrombocytopenia induced by ITP tends to be more dramatic ■ Infections associated with ITP: HIV, HBV, HCV, CMV, EBV, H.pylori. ■ CMV mononucleosis is usually self limited.