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BACKGROUND

- IBD may be a manifestation of a genetically driven immune disorder (GID).
- We present a case of previously healthy 20-years old female with new onset IBD acutely complicated by colon perforation and hemorrhagic shock, renal failure and acute liver injury secondary to multi-organ thrombi likely due to catastrophic antiphospholipid syndrome.

CASE PRESENTATION

- **Baseline**: Previously healthy 20-year-old South Asian female, PMH: allergic rhinitis **Initial Symptoms**: • 6-month history of constipation, abdominal pain, and rectal bleeding.
- Worsening symptoms with low-grade fevers prompted hospital admission. **Initial Workup**:
- CT: Pancolitis; Colonoscopy: Diffuse inflammation in descending and rectosigmoid colon with unusual purple mucosal discoloration \rightarrow concern for GI vasculitis.
- Findings consistent with IBD, though subtype remained unclear.
- Lab: Positive cardiolipin IgM, elevated D-dimer, PT, INR; no schistocytes.
- **Early Treatment**:
- \circ IV steroids and infliximab \rightarrow initial improvement.
- **Acute Decompensation**:
- Colon perforation (pneumoperitoneum) with hemorrhagic shock from GI bleeding.
- \circ Hepatic and renal thrombi \rightarrow acute liver and kidney failure, required CRRT.
- Infectious workup: Norovirus, EPEC, bacteremia, candida (in spleen colture).

Interventions:

- Subtotal colectomy with end ileostomy.
- Treated for possible catastrophic antiphospholipid syndrome (CAPS) with plasmapheresis, high-dose steroids, and heparin.
- Multiple emergent laparotomies for intra-abdominal hematomas. **Pathology**:
- \circ Transmural colitis \rightarrow suggestive of Crohn's disease.
- Incidental 1.5 mm neuroendocrine tumor (NET) of the appendix

Hospitalization Outcome:

- Full clinical recovery.; No recurrence of symptoms.
- Off immunosuppressive / disease modifying treatment and anticoagulation therapy.

New onset IBD in 19 years old female with colon perforation, multi-organ thrombi and possible catastrophic antiphospholipid syndrome, concerning for genetically driven immune dysregulation.

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