73 y/o M who presents with epigastric abdominal pain

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Scroll Through Images
Coronal Non-contrast CT
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Coronal Contrast CT
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Lower GI Bleed
Coronal Non-contrast CT

Non-contrast image demonstrates no hyperdense material.
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Coronal Contrast CT

Contrast enhanced image demonstrates bleed
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Lower GI Bleed

• Bleed distal to ligament of Treitz
• Symptoms: bright red blood per rectum, melena, abdominal pain, nausea
• Lower GI bleed < Upper GI bleed
• Typical Causes:
  – Divertucla
  – Angiodysplasia
  – Cancer/Polyp
  – Colitis
  – Fissure/Hemorrhoids
Lower GI Bleed

• Imaging:
  – Nuclear Medicine Imaging
    • Tc99m labeled RBCs: detection of bleed with rate ≥ 0.2 mL/min
    • Tc99 sulfur colloid: detection of bleed with rate 0.05 – 0.1 mL/min
  – CT Angiography: detection of bleed with rate ≥ 0.35 mL/min
  – Mesenteric Angiography: detection of bleed with rate > 0.5 mL/min
    • Can treat as well
References

