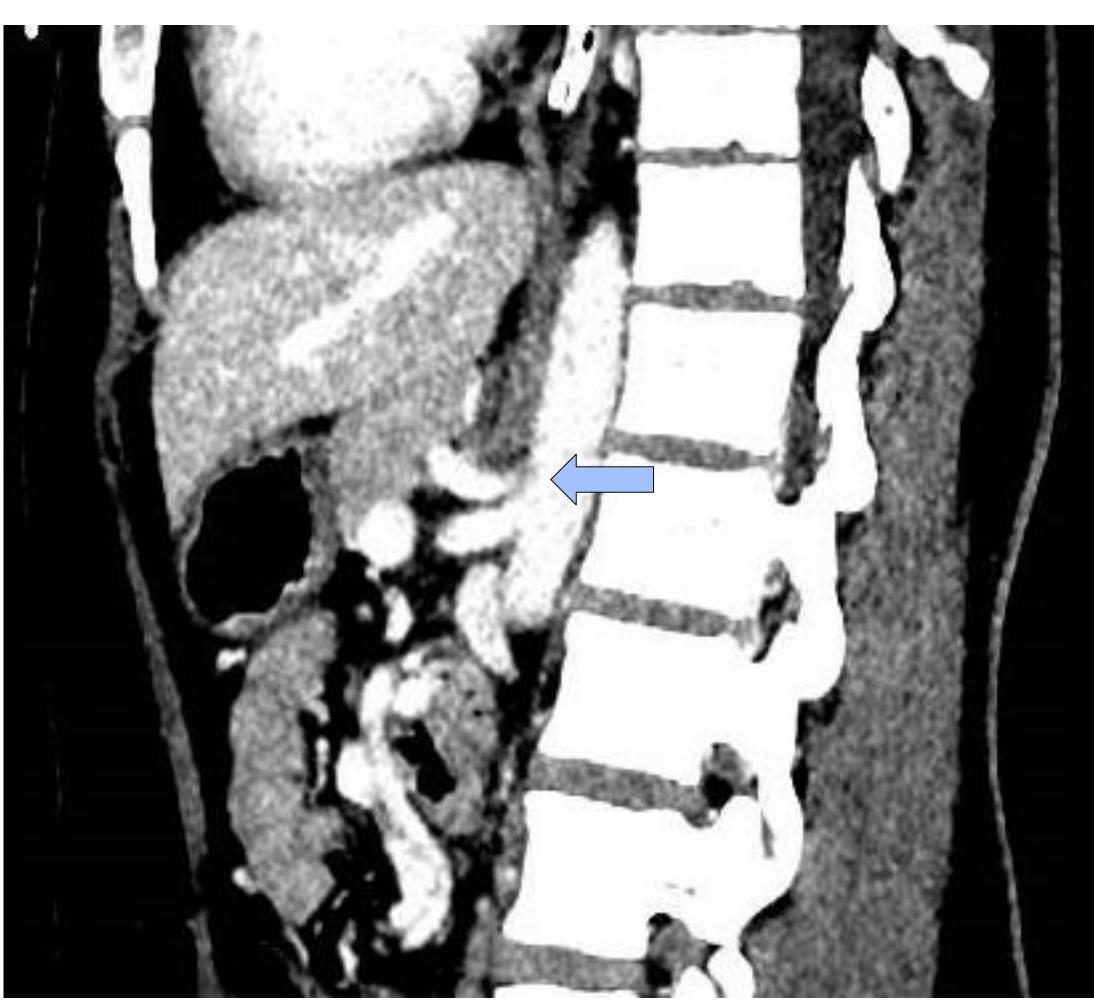


# Acute Gastric Ischemia Caused by Median Arcuate Ligament **Compression Syndrome**

INTRODUCTION	
<ul> <li>Gastric ischemia (GI) results from diffuse or local vascular insufficiency</li> <li>Infrequently reported in medical literature</li> <li>Poor prognosis</li> <li>We report a case of acute GI in a healthy woman due to median arcuate ligament compression and orthostatic hypotension</li> </ul>	
CASE PRESENTATION	
<ul> <li>HPI <ul> <li>Healthy 28-year-old woman</li> <li>CC: severe, acute epigastric pain</li> <li>ROS: emesis, diarrhea, chronic postural presyncope</li> </ul> </li> <li>Physical Exam <ul> <li>Vitals normal</li> <li>Uncomfortable-appearing, epigastric tenderness</li> </ul> </li> <li>Labs: Normal <ul> <li>Imaging</li> <li>CT: mesenteric, portal venous gas</li> <li>CTA: median arcuate ligament compression of celiac artery</li> <li>EGD: 20mm x 30mm non-bleeding ulcer</li> </ul> </li> <li>Biopsy: Acute hemorrhagic gastritis</li> <li>Management <ul> <li>NG tube</li> <li>IV fluids</li> <li>Antibiotics</li> <li>PPI</li> </ul> </li> <li>Course <ul> <li>Pain resolved with supportive care</li> <li>Repeat EGD: grossly normal mucosa</li> <li>Repeat biopsy: chronic, mild gastritis</li> </ul> </li> </ul>	Figure 1: of median
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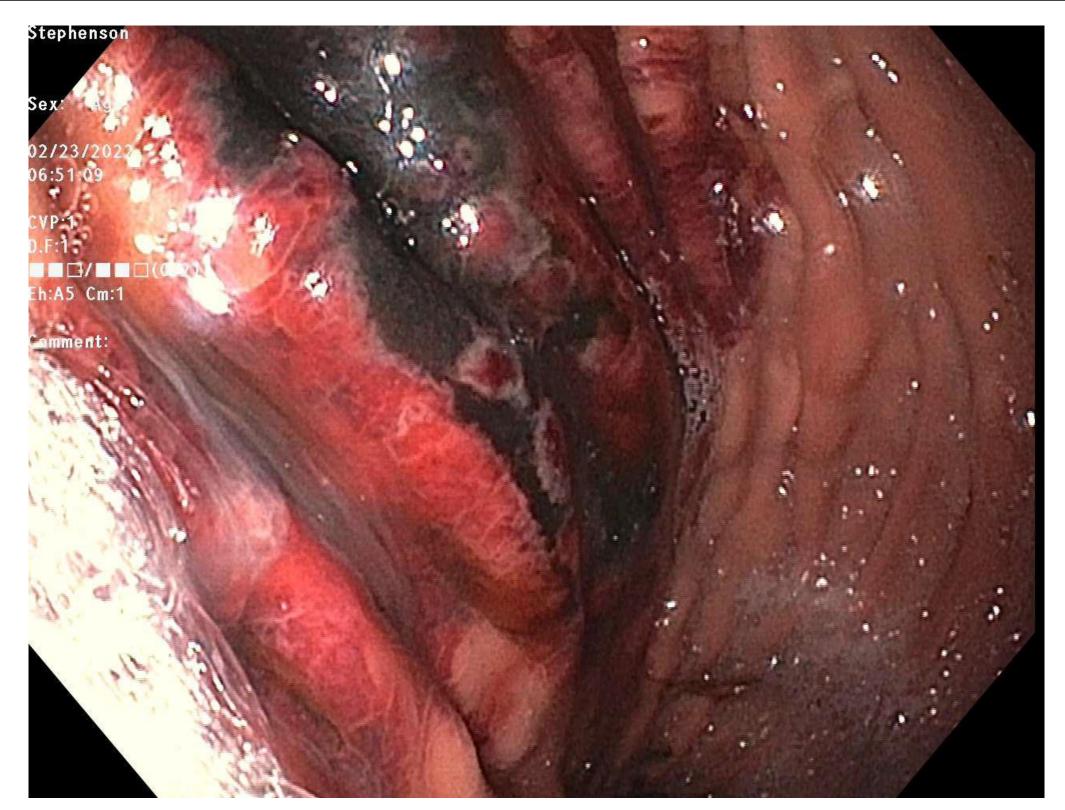
Collin York, MD<sup>1</sup>, Yajaira Garcia Rodriguez, BS<sup>1</sup>, and Amy Doran, MD<sup>1</sup> **1. School of Medicine, University of Virginia, Charlottesville, Virginia** 

## FIGURE 1



CT angiogram, sagittal view. Arrow denotes narrowing of celia in arcuate ligament.

### FIGURE 2



Endoscopic appearance of gastric ulcer.



ac artery at level	<ul> <li>DISCUSSION</li> <li>GI results from diffuse or localized vasor</li> <li>Etiologies include arterial atheroscleros disseminated thromboembolism, and synypotension</li> <li>Etiology can be multifactorial</li> <li>GI is infrequently reported in the medic under-recognized clinically and histopat</li> <li>Features of presentation include acute of nausea, vomiting, and coffee-ground er</li> <li>Pathology typically shows oxyntic-type of with acute hemorrhagic gastritis</li> <li>Differential diagnosis for acute hemorrh includes stimulant (e.g. cocaine) use, can ischemia</li> <li>Complications include gastric perforation</li> <li>Thought to carry a poor prognosis</li> <li>GI is a rare presentation of median arcute compression syndrome (MALS)</li> <li>Median arcuate ligament compression of 10% to 25% of the population and is typ asymptomatic</li> <li>MALS is a challenging and controversial typically affects women between ages 2</li> <li>Our patient's GI was likely caused by training the patient of the population and patient of the population and patient of the patient of</li></ul>
	mesenteric hypoperfusion due to ortho hypotension, superimposed on previous relative hypoperfusion due to median a compression
	CONCLUSIONS
	<ul> <li>GI may be clinically under-recognized in toward more severe presentations in calliterature</li> <li>GI should be considered in the different acute and chronic abdominal pain, espendith known vascular disease</li> <li>Etiology of GI can be multifactorial</li> </ul>

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