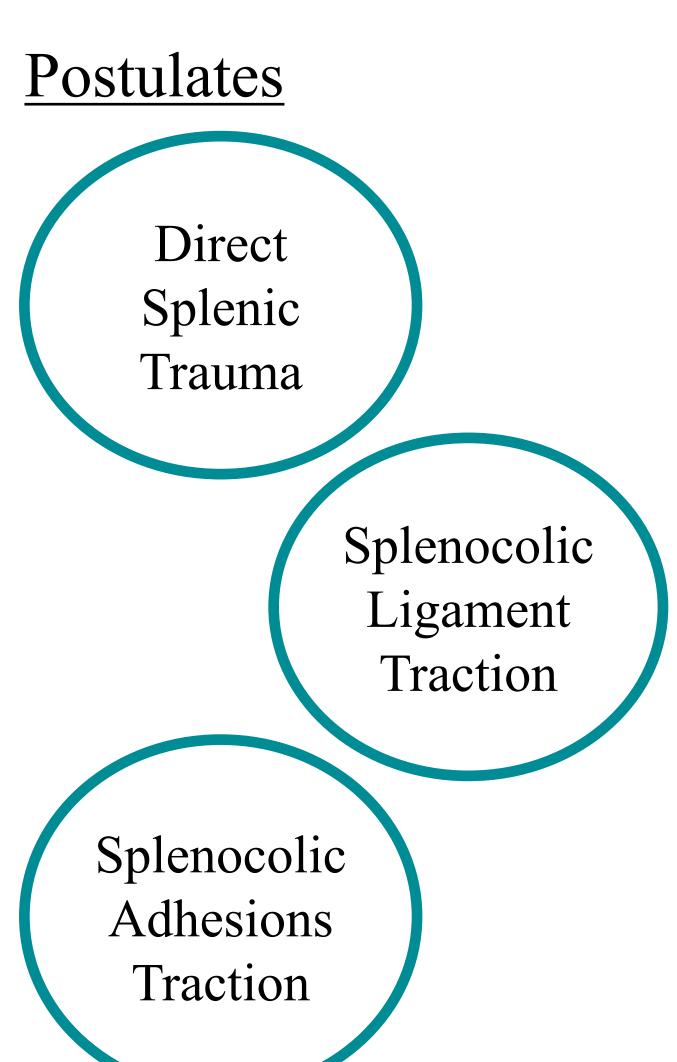


# **Atrium** Health

#### Introduction

- Splenic rupture following colonoscopy (SRFC) has an incidence rate of 0.0005-0.017%.
- Most of the cases reported are managed operatively.



### Splenic Rupture Following Colonoscopy M. Edwards BS<sup>1</sup>, N. Ninad MD<sup>2</sup>, A. Jones MD<sup>2</sup> <sup>1</sup>Mercer University School of Medicine | <sup>2</sup>Atrium Health Navicent, Macon GA.

## History

- 75-year-old female with no pertinent past medical or surgical history
- Underwent routine colonoscopy 8 hours prior
- Abdominal and left shoulder pain after an episode of syncope



### Hospital Course

- Vitals: HR 110, BP 174/73, RR 26
- Abdominal exam: soft, nondistended, no peritoneal signs
- Labs: hemoglobin (hgb) 7.6, transfused 1-unit PRBCs
- CT Abd and Pelvis: Grade III splenic trauma (Fig. 1). No active extravasation

#### Hospital Day (HD) 2

- Vitals: HR 81, BP 149/74, RR 22
- Physical Exam: unchanged
- Labs: hgb 6.8, 1U PRBC transfused.
- Repeat CT: overall stable, no active extravasation (Fig. 2)

#### Discharge

• Hospital day 6, hgb 9.5. Hemodynamically stable. Abdomen exam benign.

Fig. 1 CT AP on arrival.

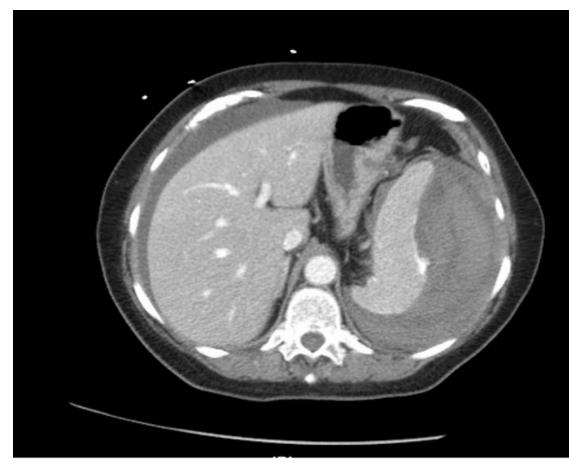


Fig.2 CT AP, HD2.

References



#### Discussion

- SRFC often occurs in uncomplicated, easy colonoscopies and in patients with no apparent risk factors.
- Risk factors include previous surgeries, presence of adhesions, diagnostic colonoscopies, biopsies, polypectomies, and female sex.

#### Conclusion

- Splenic rupture should be considered in patients who present with abdominal pain, syncope, and hypotension following colonoscopy.
- Management guidelines for splenic trauma should be followed once recognized.
- Decision regarding operative vs conservative management should be guided by the patient's clinical status, hemodynamics, and available resources.

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