Incidence and Approaches to Inguinal Hernia Repair in Patients with Ascites

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Introduction

- **Background:** Hernias in patients with ascites are common
- **Gap in knowledge**: We know very little about the surgical repair of inguinal hernias within this population. Current data is largely limited to single center studies and case studies
- **Goal of Study**: A population-based study on inguinal hernia repairs in patients with ascites

Methods

Study Design: Retrospective review
Database: Michigan Surgical Quality Collaborative (MSQC) captures specific patient, hernia, and operative characteristics at a population level
Population: Patients with ascites undergoing inguinal hernia repair repair between January 1, 2020 and May 3, 2022.
Outcomes:

- Primary: Incidence and surgical approach
- Secondary: 30-day adverse clinical outcomes as listed here: (ED visits, readmission, reoperation and complications) and surgical priority (urgent/emergent vs elective).

Results

35,207 total patients, 88 with ascites (0.2%)

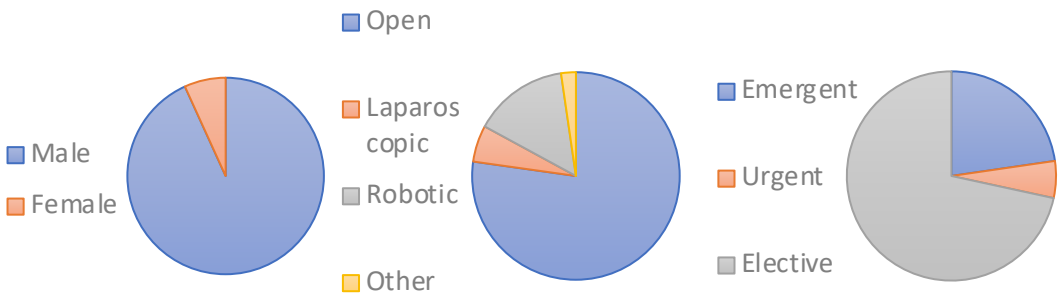


Figure 1: Incidence of Inguinal Hernia in Patients with Ascites

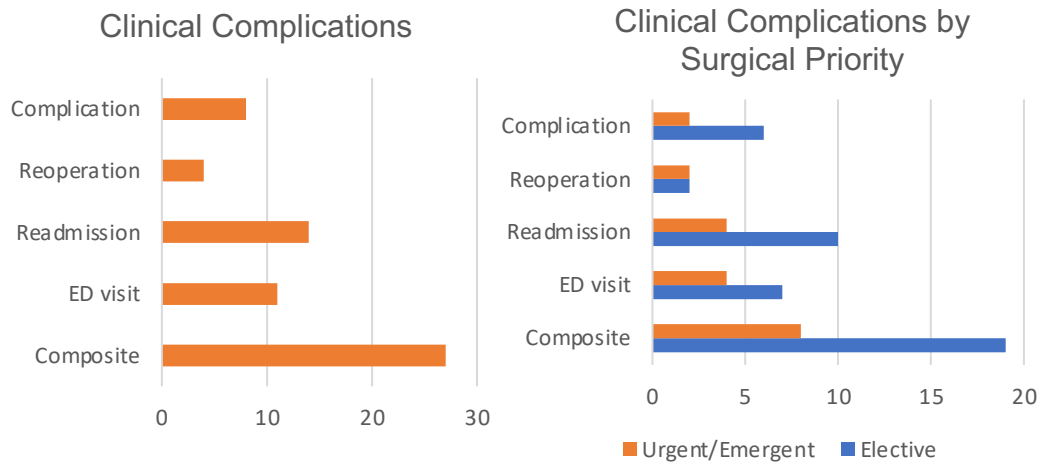


Figure 2: 30 Day Adverse Outcomes

Conclusions



A population-level inguinal hernia database capturing operative details for 88 patients with ascites



There was variation in the surgical approaches performed for this rare event and opportunities for optimization in patient selection and timing of repair.

Future directions

- Evaluate the clinical outcomes within this population as well as the optimal timing of these operations.

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