

LITTRÉ'S HERNIA CHRONICLES

UNVEILING THE INTRICACIES OF A RARE INTRAOPERATIVE REVELATION

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INTRODUCTION

LITTRÉ'S HERNIA (LH)

A **rare condition** where a hernia **contains a Meckel's diverticulum**, typically **presenting as an inguinal, femoral, or umbilical hernia**, and poses significant diagnostic and management challenges due to its rarity and non-specific symptoms



Meckel's diverticulum (MD) is a common congenital gastrointestinal anomaly. While **usually asymptomatic**, it can cause complications like obstruction, haemorrhage, and inflammation. A **rare complication is Littre's hernia**, where MD becomes trapped in a hernia sac

1%

of MD cases develop into **Littre's hernia**, with an **incidence of 0.6%** in complex abdominal hernias



LH generally **poorly visualized by ultrasound or CT** and usually **found intraoperatively** during hernia repair with confirmation via pathology



This **case report** highlights a rare **Littre's hernia (LH)** found during emergency **inguinal hernioplasty**. LH is typically not associated with inguinal hernias, making this finding particularly noteworthy

CASE REPORT



A) PATIENT HISTORY

- 30-year-old male, no significant past medical history
- Progressive **right inguinal-scrotal region pain and swelling** for 2 days;



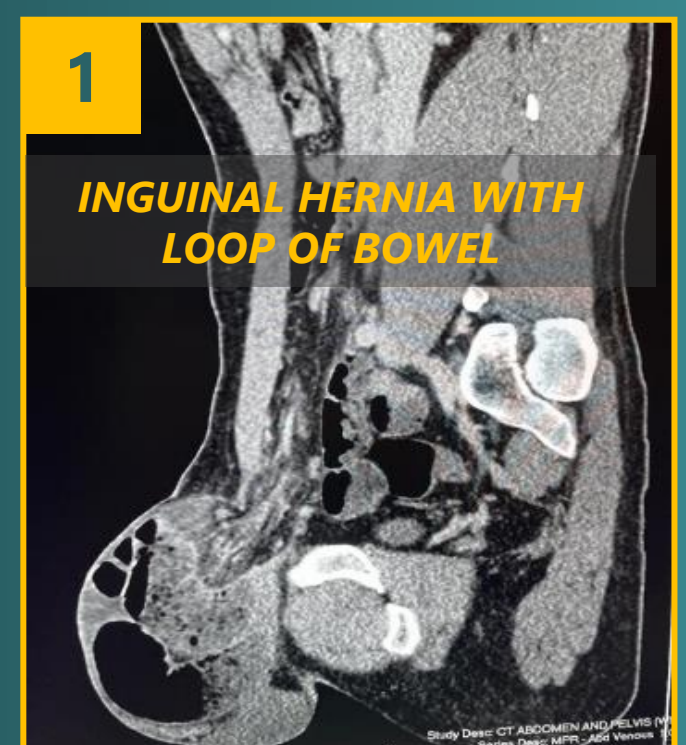
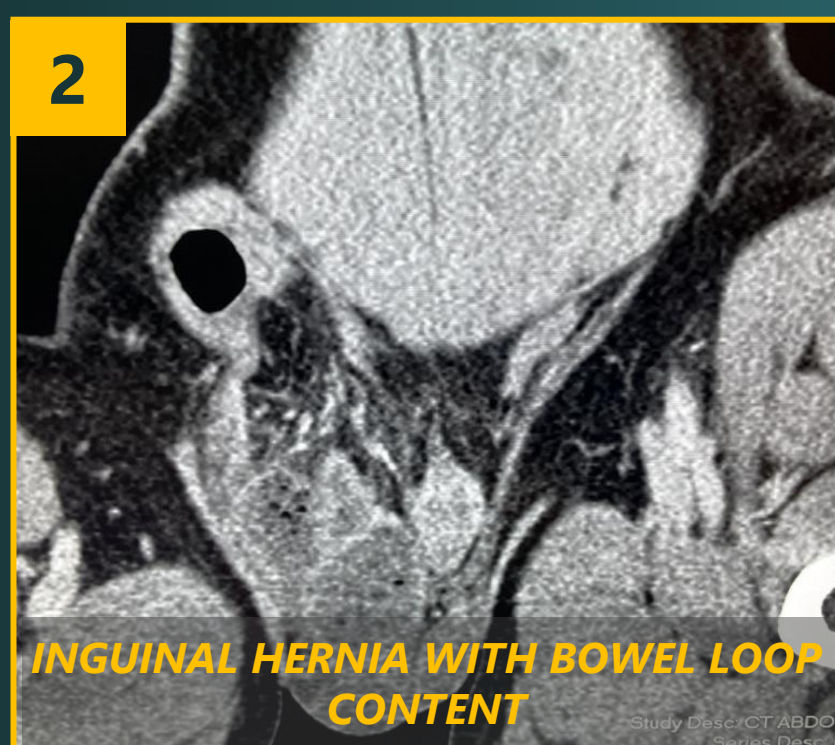
B) EXAMINATION FINDINGS

- Swelling; tense, tender, **irreducible right inguinal hernia extending into the scrotum**; right testis not palpable.
- Guarded abdomen, non-tender; no cough impulse; lab tests unremarkable;



C) DIAGNOSIS

- CT Scan **1 2 3**; **Large right inguinal hernia extending into the scrotum** with bowel loops; mildly dilated small bowel loops



F) HISTOPATHOLOGY

- Meckel's diverticulum confirmed** by histopathological examination



E) POST PROCEDURE

- Recovery was uneventful
- Patient discharged postoperative day 3



D) SURGICAL PROCEDURE

- Emergency **open right hernioplasty 3** for incarcerated hernia with 200 ml suppurative fluid, adherent bowel loops, and broad-based diverticulum
- Actions:** Adhesiolysis, diverticulum resection, bowel anastomosis, hernia sac excised, **Prolene mesh used**

DISCUSSION

RARE OCCURRENCE

This case highlights the **rare occurrence** of Littre's hernia, identified during emergency open inguinal hernioplasty. **Littre's hernia is unusual in inguinal hernias**, making this discovery particularly significant

MANAGEMENT

The hernia was treated with **mesh placement, wedge resection** of the diverticulum, and **repositioning of the ileum**. Segmental resection and anastomosis may be needed for significant edema or inflammation.

PATIENT OUTCOMES

The patient was highly satisfied, **experiencing significant symptom relief** and a return to normal activities without discomfort. This highlights the **effectiveness of the surgical approach for rare hernia cases**

KEY CONSIDERATIONS

Ongoing **follow-up is essential** to monitor for recurrence and ensure long-term success. This case highlights the need for **awareness of rare hernia variants** and **readiness for unexpected findings during surgery**