A Case Report of an Incarcerated Femoral Hernia Containing the Bloodless Fold of Treves, Handled with a Minimally Invasive Approach

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Background

- Femoral hernias are a rare type of inguinal hernia, accounting for approximately 3% of all groin hernias
  - They occur most commonly in females, but have less frequently been observed in males

Case Presentation

63yo male with history of prior appendectomy presented for symptoms of pain, discomfort and bulging in the right inguinal region

Physical exam showed a solid nodule of tissue palpable in the inguinal region, confirmed on ultrasound to be a fat-containing inguinal hernia

Pt was taken for surgery and underwent robotic assisted laparoscopic repair of right inguinal hernia by TAPP approach, during which a femoral hernia was identified

Further dissection showed the hernia was a femoral hernia that contained the ligament of Treves at the anti-mesenteric side of the terminal ileum

Figure Description

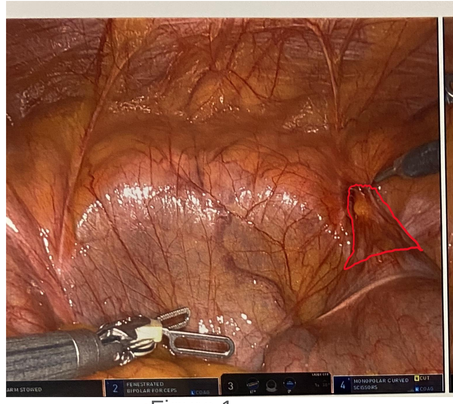
1. Intraperitoneal view of pelvis with hernia visible on right side, fatty tissue incarcerated through defect

2. Status post reduction of ligament of Treves from defect

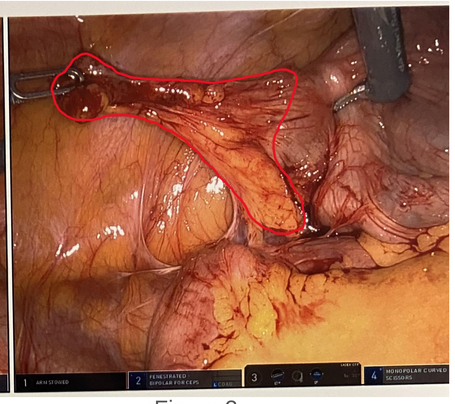
3. After peritoneal flap was taken down, mesh was placed to cover femoral space of defect

4. Completed hernia repair after reapproximating peritoneal flap

Figures



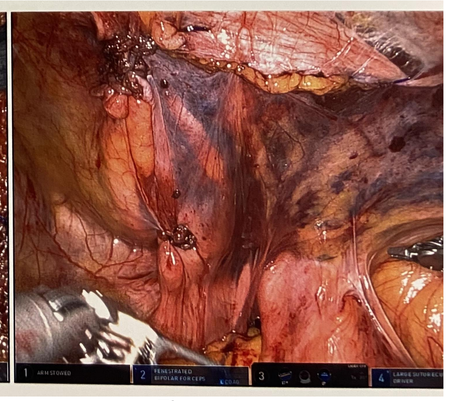
•Figure 1



•Figure 2



•Figure 3



•Figure 4

Discussion

This patient had a rare hernia defect containing an unexpected intra-abdominal organ

The defect in the right inguinal region may have allowed nearby intra-abdominal contents to herniate and get incarcerated in it

It is suspected that the patient's history of prior appendectomy may have contributed, with scar tissue forming to promote the herniation at this site

Alternatively it could be postulated an Amyand hernia would have occurred if appendix was still present

This patient had a successful surgical reduction of the herniated tissue and robotic assisted laparoscopic repair of the inguinal hernia with mesh

Conclusion

- Femoral hernias are rare in male patients, and this case showed an incarcerated ligament of Treves in the femoral defect
- This case may be the first of its kind in surgical literature

References

1. Goethals A, Azmat CE, Adams CT. Femoral Hernia. [Updated 2023 Jul 31]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2025 Jan-. Available from: https://www.ncbi.nlm.nih.gov/books/NBK535449/

This research was supported by HCA Healthcare and/or a related non-profit affiliate. The views expressed in this publication represent those of the author(s) and do not necessarily represent the official views of HCA Healthcare or any of its affiliated entities.