An unusual presentation of cryptorchidism: A case report of Spigelian-cryptorchidism syndrome

Maham Leeza Adil; MBBS, BSc, Rawalpindi Medical University, Rawalpindi, Pakistan

Mahrukh Alvi; MBBS, BSc, Rawalpindi Medical University, Rawalpindi, Pakistan

Arzoo Shabbir; MBBS, Rawalpindi Medical University, Rawalpindi, Pakistan

Muhamad Osman; MBBS; Rawal Institute of Health Sciences, Rawalpindi, Pakistan

Muhammad Nauman Bashir; MBBS, Rawalpindi Medical University, Rawalpindi, Pakistan

Abstract (Word Count= 245 words)

Introduction: Spigelian hernia is an uncommon hernia presenting as a protrusion of abdominal contents through the spigelian fascia, lateral to the rectus abdominis. In some rare cases, Spigelian hernia can occur alongside cryptorchidism, which forms a recognized syndrome found in male infants with Spigelian hernia. This is a relatively unreported syndrome with very limited literature available regarding it, none of which is reported in Pakistan in adults.

Presentation of case: We report a case of a 65-year-old male with right sided obstructed spigelian hernia along with the rare finding of testis in the hernial sac. The patient was successfully managed by transperitoneal primary repair (herniotomy) with orchiectomy. The patient recovered uneventfully and was discharged 5 days after the surgery.

Discussion: The exact pathophysiology of this syndrome remains unclear. Three theories have been proposed to explain this syndrome, including the primary defect being Spigelian hernia leading to undescended testes (Al-Salem), testicular maldescent preceding the formation of the hernia (Raveenthiran), or the absence of the inguinal canal leading to the development of a rescue canal due to the undescended testes (Rushfeldt et al.). In this case, the absence of gubernaculum was confirmed suggesting the findings to be consistent with Rushfeldt's theory. The surgical team proceeded with hernial repair and orchiectomy.

Conclusion: In conclusion, Spigelian-Cryptorchidism syndrome is a rare syndrome in adult male, with an unclear pathophysiology. Management of this condition involves repair of the hernia along with either orchiopexy or orchiectomy, depending upon the risk factors involved.

Image



Fig. 1 A swelling localized in right lumber region in the midclavicular line.

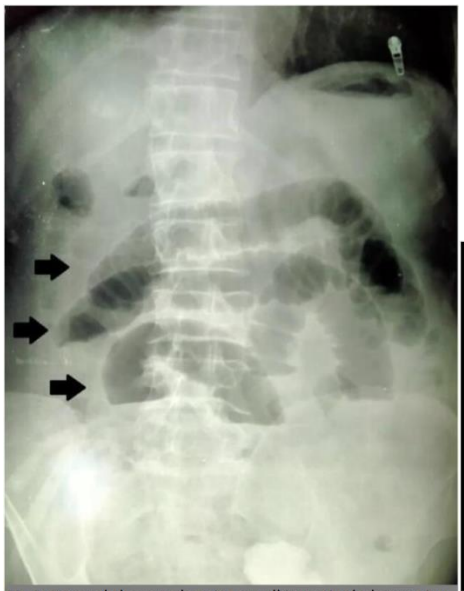


Fig 2: X-ray abdomen showing small intestinal obstruction.

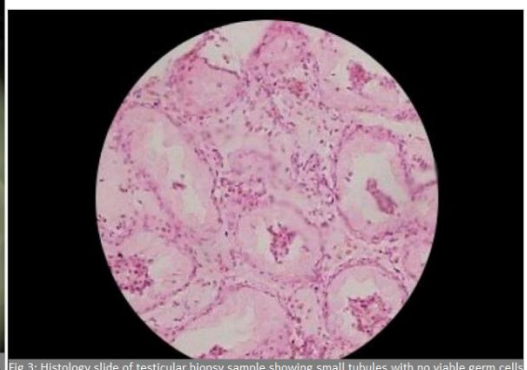


Fig 3: Histology slide of testicular biopsy sample showing small tubules with no viable germ cells and relative abundance of Leydig cells.

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Biography



Dr. Maham Leeza Adil is an esteemed alumna of Rawalpindi Medical University, one of Pakistan's premier medical institutions. Her profound passion for research is evidenced by her involvement in several ongoing projects, slated for publication. Dr. Maham aspires to forge a career in the United Kingdom, where she aims to make valuable contributions towards enhancing healthcare and fostering innovation in Pakistan.

The case presented in this publication was encountered by Dr. Maham during her clinical rotation in Surgery as an undergraduate. Recognizing its significance, she and her peers diligently decided to document and report the case, thereby adding to the existing body of literature.