

A Rare Case Report of Torsion of Huge Epididymal Cyst from Tertiary Hospital

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Received Date: September 11, 2023 | Accepted Date: September 25, 2023 | Published Date: October 10, 2023

Citation: Manojit Sarkar, (2023), A Rare Case Report of Torsion of Huge Epididymal Cyst From Tertiary Hospital, *Journal of Scientific Research and Biomedical Informatics*, 2(5); **DOI:** 10.31579/2834-8745/010

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Abstract

Epididymal Cyst (EC) are benign benign lesion. It arises due to cystic degeneration of the epididymis. The torsion of it is extremely rare. The usual presentation of the cyst is asymptomatic scrotal swelling. The swelling has a lobulated surface & feels like a bunch of grapes. The huge epididymal cyst is rare & moreover it is associated with torsion-rarest presentation.

Keywords: epididymal cyst; transillumination; management

Case Report

A 46 yr old male patient presented with acute scrotal pain with huge swelling in emergency. The swelling was gradually progressive and painless. But there is sudden onset of of excruciating pain & patient came to emergency.

Discussion

Epididymal cyst are benign benign lesion. It arises due to cystic degeneration of the epididymis. The torsion of it is extremely rare. The usual presentation of the cyst is asymptomatic scrotal swelling. The swelling has a lobulated surface & feels like a bunch of grapes. The huge epididymal cyst is rare & moreover it is associated with torsion. The patient presented with acute scrotal pain in emergency.

Emergency ultrasound Color Doppler scrotum shows testis normal(B/L) with homogeneous arterial perfusion, 15*8 cm well defined wall with few internal echos pushing right testis towards the left. & with many septations without internal vascularity. we are planning it for emergency exploration as the pain was not subsided even after medication.

During the operation, both the testes found normal. A huge cyst found within caput epididymis Torsed 360 degree anti-clockwise on it's own pedicel. Detorsion followed by excision of the cyst. Post op Transillumination test done and it is brilliantly transilluminant. On aspiration crystal clear fluid comes out. The Histopathological diagnosis was EC with no necrosis in the cells of epididymal duct. The patient was discharged on 3rd post operative day & post operative period was uneventful.

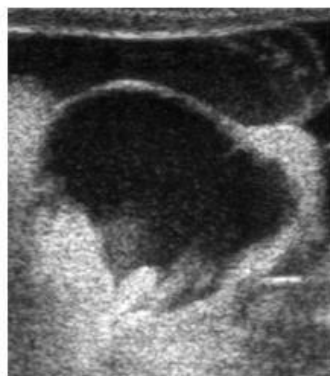


Figure 1: USG SCROTUM shows a huge



Figure 2: Intra operative pic of the cyst epididymal cyst

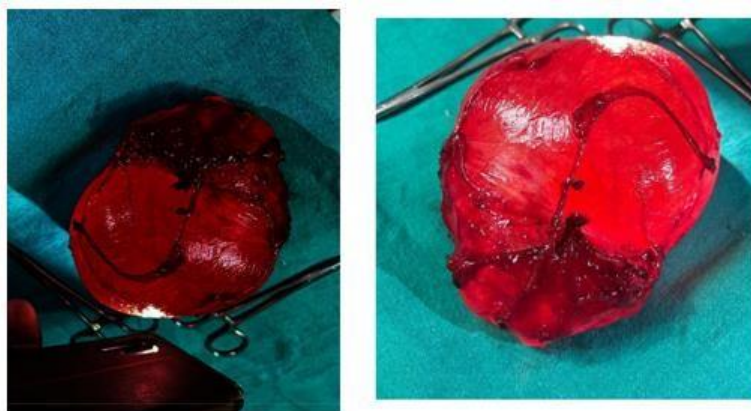


Figure 4: Post op Specimen

References

1. Finkelstein MS, Rosenberg HK, Snyder HM 3rd, et al. (1986). Ultrasound evaluation of scrotum in pediatrics. *Urology*, 27: 1-9.
2. Rifkin MD, Kurt AB, Goldberg BB. (1984). Epididymis examined by ultrasound. Correlation with pathology. *Radiology*, 151: 187-190.
3. Gill WB, Schumacher GF, Bibbo M, et al. (1979). Association of diethylstilbestrol exposure in utero with cryptorchidism, testicular hypoplasia and semen abnormalities, *J Urol* 122: 36-39.
4. Gill WB, Schumacher GF, Bibbo M. (1979). Pathological semen and anatomical abnormalities of the genital tract in human male subjects exposed to diethylstilbestrol in utero. *J Urol*, 117:477-480.
5. Atanassova N, McKinnell C, Turner KJ, et al. (2000). Comparative effects of neonatal exposure of male rats to potent and weak (environmental) estrogens on spermatogenesis at puberty and the relationship to adult testis size and fertility: evidence for stimulatory effects of low estrogen levels. *Endocrinology*, 141: 3898-3907.
6. Bibbo M, Al-Naqeeb M, Baccarini I, et al. (1975). Follow-up study of male and female offspring of DES-related mothers. A preliminary report. *J Reprod Med*, 15: 29-32.
7. Jones LA. (1980). Long-term effects of neonatal administration of estrogen and progesterone, alone or in combination, on male BALB/c and BALB/cfC3H mice (40927). *Proc Soc Exp Biol Med*, 165: 17-25.
8. McLachlan JA. (1977). Prenatal exposure to diethylstilbestrol in mice: toxicological studies. *J Toxicol Environ Health*, 2: 527-537.
9. Homayoon K, Suhre CD, Steinhardt GF. (2004). Epididymal cysts in children: natural history. *J Urol*, 171: 1274-1276.
10. Torsion of an Epididymal Cyst 661 10. (2005). Chillon SF, Dominguez HC, Serrano DA, et al. Epididymal cysts in childhood. *Arch Esp Urol*, 58: 325-328.
11. Sidler D, Brown RA, Millar AJ, et al. (1997). A 25-year review of the acute scrotum in children. *S Afr Med J*, 87: 1696-1698.
12. Kaddish HA, Bolte RG. (1995). A retrospective review of pediatric patients with epididymitis, testicular torsion and torsion of testicular appendages. *Pediatrics* 1998; 102: 73-76.
13. Lewis AG, Bukowski TP, Jarvis PD, et al. Evaluation of acute scrotum in the emergency department. *J Pediatr Surg*, 30: 277-282.
14. Steinhardt GF. (1995). Editorial comment to epididymal cysts: not always a benign condition. *Int J Urol* Sep 21.
15. Kaye RI, Cromie WJ. (1997). Torsion of a spermatocele: a case report and review of the literature. *J Urol* 1990; 143: 786. Liolios N, Anagnostopoulos D, Sinopidis X, et al. Torsion of spermatocele and aplasia of the vas deferens. A case report. *Eur J Pediatr Surg* 7: 118-119.
16. Yılmaz E, Batislam E, Bozdogan O, et al. (2004). Torsion of an epididymal cyst. *Int J Urol*, 11:182-183.

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