

Scrotal Calculi A Rare Ultrasonography Finding



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Abstract

Scrotal calculi correspond to the presence of freely floating or located calcifications between the layers of the tunica vaginalis of the testes. It's a rare discovery with a reported incidence ranging between 1,5 % and 3 %. They are mostly incidental finding in patients during scrotal ultrasound examination and easily recognized due to the hyperechoic nature of the calcification which causes a discrete acoustic shadow. The etiology of scrotal calculi is unclear. literature data report a high association between hydrocele and scrotal calculi suggesting its role in the genesis of scrotal calculi by crystallization of contains of the scrotal fluid.

Keywords: Scrotal calculi; Ultrasonography; Hydrocele; Freely floating; Tunica vaginalis; Hyperechoic nature; Scrotal fluid; Crystallization; Hemiscrotum; Spermatic cord; Scrotal pain; Testis; Hydrocele; Hemiscrotum; Good evolution; Genesis; Crystallization

Clinical Image

Clinical significance of scrotal calculi is uncertain, but some authors suggested their participation in scrotal pain given the presence of scrotal pain in patients with scrotal calculi who had no known additional scrotal abnormalities. We report the case of a 38 years old patient with no specific medical history complaining about a scrotal pain. Clinical examination found a swelling of the right spermatic cord. Scrotal ultrasonography found both testis of normal size with the presence of a scrotal calculi in the right hemiscrotum associated to an epididymal cyst as well as a small hydrocele. The patient received analgesic treatment with good evolution and was kept under close follow-up (Figure 1).



Figure 1: Clinical examination found a swelling of the right spermatic cord.



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