Scrotal calcinosis effect – Case report and review of literature

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ABSTRACT

Idiopathic scrotal calcinosis is a benign rare diseases that is characterized by single or multiple scrotal skin calcified nodules or papules which are usually asymptomatic but they progressively increasing in number and enlarge in size. The nodules are mainly calcium and phosphorus deposits.

Idiopathic scrotal calcinosis is a disease of childhood or early adulthood which occurs without calcium/phosphorus metabolism systemic disorder. Pathogenesis of this disease is yet to be discovered.

A 42 years old male patient, not known to have any previous medical/surgical history. The patient presented to our clinic complaining of multiple scrotal wall swellings. The swellings were increasing in number and size over the past 2 years. The patient was concerned about this lesion to be a cancerous and his wife was concerned about it being brown in color, hard in palpation, confined to the dermis, could be either idiopathic mostly or due to dystrophic calcification related to the presence of structure like a sebaceous cyst, epidermal cyst, eccrine epithelial cyst and degenerated dartos muscle, it usually begins with inflammatory trigger which leads to loss of their epithelial lining and resorption of the cyst walls. The degeneration and necrosis of the dartos muscle could be the initial events in the pathogenesis.

Surgical excision is the treatment of choice and provides a good clinical outcome and after explanation of the disease nature to the patient and his wife and the possibility of recurrence. Elliptical incision and complete excision were done, which allowed for good scrotal excellent cosmetic results. Histopathology consistent with idiopathic calcinosis of scrotum till the time we wrote this case no reported case published in Saudi Arabia before.

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Fig. 1. Multiple nodular lesions all over the scrotum.

Fig. 2. Post excision and scrotal closure.

Fig. 3. Calcium deposition in basophilic globules which is consistent with Idiopathic scrotal calcinosis.
Idiopathic scrotal calcnosis is a benign condition that could affect the marital relationship. The surgical excision is the treatment of choice and provides a good clinical cosmetics outcome with excellent patient satisfaction.

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