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A VERY RARE CAUSE OF LOWER URINARY TRACT SYMPTOMS: A RETROPUBIC GANGLION CYST IN THE LESSER PELVIS

Hypothesis / aims of study

Retropubic tumors without contact to bones or surrounding tissues are extremely rare with only 22 cases reported in the literature. The majority of tumors described within these reports are osteochondroma in 17 cases, 2 cases of leiomyoma and one case of each fibroma, fibrosarcoma and nodular fasciitis.

Study design, materials and methods

We report about a 52 year-old-man who complained about symptoms of chronic prostatitis / LUTS with decreased erectile function since the last 6 months. The physical examination and the digital transrectal examination showed a slightly enlarged prostate without any other abnormalities. The urine culture were negative, PSA, hormones as well as serum blood levels were within normal limits. Transrectal ultrasound showed a 2cm retropubic mass between the pubic symphysis and prostate. CT-Scan and MRI revealed a tumor with cystic elements without contact to the surrounding tissue or bone.

Results

The tumor was resected "in toto" by laparoscopy. No complications occurred within the intra- and postoperative days and the patient was discharged from the hospital at the 4th day after surgery without any complaints. Histopathology showed a fibrous tumor with mucoid degeneration and pseudocystic elements without any malignant criteria, which confirmed the diagnosis of a retropubic ganglion cyst. No symptoms of prostatitis/LUTS reoccurred in the follow-up of 12 months. The sexual function esp. erectile function recovered 4 weeks after surgery.

Interpretation of results

Retropubic isolated tumors are extremely rare but might be the cause of voiding and/or sexual problems as demonstrated in our patient.

Concluding message

Our case demonstrates the first laparoscopic resection of one of these "symptomatic" tumors with favorable clinical outcome, good cosmetic results and excellent erectile and voiding function recovery.

Disclosures

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