

## Rare case of intra-testicular adenomatoid tumour

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### CASE-REPORT

A 31-years old caucasian male presented to our andrology outpatient clinic complaining a moderately tender left testicular nodule. He reported that the mass became apparent one month before. Physical examination revealed a moderately tender and hard consistency nodule of 1 cm in diameter located in the left testicle. Scrotal ultrasonography revealed a solid intratesticular hypoechoic nodule lesion of 0,8 cm in diameter with slight vascularization, suspicious for malignancy.

Preoperatively, tumor markers and sexual hormones levels were normal.

Intraoperatively the nodule revealed to be solid and the

excision was complete. The frozen section described the presence of fibrous tissue embedded by a linear arrangement of neoplastic small cells with uncertain differentiation (Figure 1).

The exclusion of a malignancy was therefore not possible without immunohistochemical analysis. A radical left orchidectomy was then performed. The neoplastic lesion, after formalin-fixed process, showed cytokeratin 8-18 and calretinin diffuse strong positive immunoeexpression. Moreover, OCT3/4, alpha-FP, bHCG, CD30, inhibin and PLAP staining were negative. The final histological diagnosis was adenomatoid tumor of the testis.

**Figure 1.**

*Intraoperative biopsy. Note the nodule with an intra-testis localization (left side). Normal testicular parenchyma inked on the right side (H&E, 4X).*

