

Pt. Name:	قماري محمد سعد حسن	Lab Number:	0878-2026
Pt. Age:	30 years.	Gender:	Male
Received date:		Reported date:	2026-02-08
Referred By:	د/ عمر بامشموس	Reported date:	2026-02-14

### PATHOLOGY REPORT

Clinical Information.	History of perianal pain since for one months. U/S: semi well-defined lobulated thick heterogeneous collections localized in the left perianal area.
Nature of specimen.	Excisional Biopsy.

#### GROSS:

Three containers were received:

- 1- Tissue biopsy: soft tissue fragments collectively measured 6x5x1.3 cm, totally embedded.
- 2- Tissue biopsy: 11x9x1.4 cm, totally embedded.
- 3- Bloody fluid from which 2 smears were prepared and stained.

#### MICROSCOPIC:

1&2 A malignant round cell tumor characterized by nests and sheets of round cells separated by prominent fibrovascular septa. The tumor cells notably line these septa in a "picket-fence" arrangement while detaching in the center, creating a pseudo-alveolar pattern. Tumor cells exhibit hyperchromatic nuclei, scant eosinophilic cytoplasm, and high mitotic activity. Areas of necrosis are noted. In a 30-year-old patient with a perianal lesion, the differential diagnosis includes alveolar rhabdomyosarcoma, small cell neuroendocrine carcinoma, lymphoma, Ewing sarcoma, and amelanotic melanoma. To definitively classify this lesion, an immunohistochemical panel is required: **Myogenin, Desmin, Pan-Cytokeratin, Synaptophysin, CD45, CD99, SOX10 and Ki-67.**

3- Cytological examination of the smear preparations demonstrates a highly cellular, discohesive pattern comprised of large, epithelioid to plasmacytoid malignant cells with abundant, dense, granular eosinophilic cytoplasm. The nuclei are eccentrically placed, round-to-oval, and exhibit vesicular chromatin with prominent, often central, macronucleoli; notably, binucleated forms and cells with rhabdoid-like features are scattered throughout the background

#### DIAGNOSIS:

##### Peri-anal lesion, biopsy:

- Malignant Round Cell Tumor.
- Recommended for typing by marker study.

##### Peri-anal collection, conventional cytology:

- Positive for malignant cells.

#### Pathologist

Prof. Dr. Neveen Tahoun, MD, PhD  
14-02-2026

Nereen Tahoun

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