

Pt. Name:	أحمد حميد حمدان منجي		Lab Number:	3330-2026	
Pt. Age:	23 years.	Gender:	Male	Received date:	2026-05-13
Referred By:	د/ عادل نصار		Reported date:	2026-05-17	

PATHOLOGY REPORT

Clinical Information.	Rt. patellar tumor, by MRI suspected giant cell tumor or bone cyst.
Nature of specimen.	Biopsy

GROSS:

Bloody soft tissue fragments collectively measured 4.5x4x0.8 cm, totally embedded.

MICROSCOPIC:

Sections show fragments composed of proliferating fibroblastic stromal cells with plump nuclei admixed with evenly distributed osteoclast-type multinucleated giant cells. Foci of numerous blood vessels with associated interstitial hemorrhage are present. No cytologic atypia or malignant features are identified.

DIAGNOSIS:

Rt. patellar tumor, biopsy:

- Giant cell-rich lesion of bone.

Comment

The histomorphology raises the possibility of a brown tumor of hyperparathyroidism (osteitis fibrosa cystica / von Recklinghausen disease of bone). Correlation with clinical findings, skeletal survey, serum parathormone, calcium, and phosphorus levels, as well as radiological findings on X-ray and CT scan, is recommended. In the absence of evidence of hyperparathyroidism, the differential diagnosis includes giant cell tumor of bone, aneurysmal bone cyst, and chondroblastoma, with radiologic correlation being essential for further characterization.

Pathologist

Prof. Dr. Neveen Tahoun, MD, PhD
17-05-2026

Nerveen Tahoun