

Pt. Name:	معتز أحمد عبده الحاج		Lab Number:	3573-2026	
Pt. Age:	13 years.	Gender:	Male	Received date:	2026-05-20
Referred By:	د/ رفيق		Reported date:	2026-05-30	

PATHOLOGY REPORT

Clinical Information.	The contrast-enhanced CT of the left tibia demonstrates midshaft diaphyseal cortical destruction, irregularity, sclerosis, and intramedullary changes with a significant periosteal reaction and mild surrounding edema (without abscess formation), highly characteristic of osteomyelitis, with tuberculosis as the primary differential diagnosis.
Nature of specimen.	Biopsy

GROSS:

Bone fragments collectively measured 3.7x2.8x1 cm, totally embedded.

MICROSCOPIC:

Fragments of mature cortical and remodeling cancellous bone tissue exhibiting prominent reactive changes. There is a marked irregular thickening of the bone trabeculae, demonstrating active woven bone formation extensively lined by a uniform, orderly layer of plump, active osteoblasts (osteoblastic rimming). The intervening fibrovascular medullary spaces and periosteal zones are heavily infiltrated by a dense, polymorphous inflammatory exudate. This infiltrate is composed predominantly of mature plasma cells, lymphocytes, and histiocytes, accompanied by focal vascular proliferation and granulation tissue formation. Areas of bone necrosis (sequestrum) are identified, characterized by empty osteocyte lacunae and irregular, eroded bony margins undergoing active resorption by scattered multinucleated osteoclasts. No evidence of specific granulomas. No evidence of atypia or malignancy.

DIAGNOSIS:

Lt. Midshaft of tibia lesion, Biopsy:

- Chronic suppurative osteomyelitis With reactive Bone Formation.
- Negative for specific granulomas.
- Negative for atypia or malignancy.

Pathologist

Prof. Dr. Neveen Tahoun, MD, PhD
30-05-2026

Nerveen Tahoun