

Pt. Name:	ملهم محمد صالح الخولاني		Lab Number:	1729-2026	
Pt. Age:	4 years.	Gender:	Male	Received date:	2026-03-25
Referred By:	د/ مهند السالم		Reported date:	2026-03-26	

PATHOLOGY REPORT

Clinical Information.	Referred block and slide for review of liver biopsy due to hepatomegaly.
Nature of specimen.	Consultation.

GROSS:

One referred paraffin block and Hx&E stained slide coded 18294-25.

MICROSCOPIC:

The liver core biopsy sections demonstrate a preserved lobular architecture, but the hepatocytes are markedly altered. There is diffuse, marked enlargement (ballooning) of the hepatocytes throughout the parenchyma, giving them a characteristic "plant-cell-like" appearance, with accumulation of clear, non-vacuolated material within the cytoplasm, which displaces the cytoplasm to the periphery and leaves a prominent cell membrane. The nuclei are centrally located, round, and bland. There is evidence of portal expansion and focal bridging fibrosis, as highlighted by the condensation of the stroma in the portal-to-portal regions. No significant macrovesicular steatosis (fat), cholestasis, or inflammatory infiltrates are identified. There is no evidence of malignancy in the sections examined.

DIAGNOSIS:

Referred paraffin block and slide:

Liver, core biopsy:

- Hepatocytes with diffuse cytoplasmic clearing and "plant-cell" morphology, consistent with a Metabolic Storage Disorder, highly suggestive of Glycogen Storage Disease (GSD).

Pathologist

Prof. Dr. Neveen Tahoun, MD, PhD
26-03-2026

Nerveen Tahoun