Pt. Name:	رامز مازن محمد صالح			**Lab Number:**	3817-2026
Pt. Age:	2 years.	**Gender:**	Male	**Received date:**	2026-06-09
Referred By:	د/ عارف الفقيه			**Reported date:**	2026-06-13

PATHOLOGY REPORT

Clinical Information.	Retinoblastoma
Nature of specimen.	Eye enucleation

GROSS:

Eye globe specimen measures 2.4 x 2 x 2 cm. Sectioning of the globe revealed a solid, firm mass exhibiting a creamy and whitish color. The mass measured 1.5 x 1.3 x 1.3 cm and was situated 0.3 cm away from the optic nerve. Evaluation of the specimen showed no evidence of scleral invasion.

MICROSCOPIC:

Sections show an embryonal malignant neoplasm arising from the retina, composed predominantly of diffuse sheets of closely packed small round blue cells with scant cytoplasm and hyperchromatic round to oval nuclei. Frequent mitotic figures are identified. Definite Flexner–Wintersteiner rosettes are not identified in the examined sections. The tumor exhibits poor photoreceptor differentiation. No evidence of optic nerve invasion, scleral infiltration, or extrascleral extension is identified.

Procedure: Enucleation.
Tumor size: 1.5x1.3x1.3 cm.
Tumor Type: Retinoblastoma.
Histologic Differentiation: Poorly differentiated.
Tumor Growth Pattern: Diffuse sheets and nests of primitive small round blue cells.
Flexner–Wintersteiner Rosettes: Not identified.
Homer Wright Rosettes: Not identified in the sections provided.
Necrosis: present.
Calcification: Present.
Mitotic Activity: Frequent.
Optic Nerve Invasion: Not identified.
Choroidal Invasion: Not identified.
Scleral Invasion: Not identified.
Extrascleral Extension: Not identified.
Anterior Segment Involvement: Present.
Pathologic Diagnosis: RETINOBLASTOMA, POORLY DIFFERENTIATED.
Pathologic Stage (AJCC 8th Edition): pT2a.

DIAGNOSIS:

Eye globe, enucleation:

- **Retinoblastoma.**
- **Margins of excision are free.**

Comment:

Histologic sections show a poorly differentiated retinoblastoma with anterior segment involvement. No high-risk histopathologic features, including postlaminar optic nerve invasion, massive choroidal invasion, scleral invasion, or extrascleral extension, are identified. The optic nerve margin is free of tumor. The findings correspond to AJCC 8th Edition pathologic stage pT2a.

Pathologist

Prof. Dr. Neveen Tahoun, MD, PhD
13-06-2026

Neveen Tahoun