

Pt. Name:	صالحة إبراهيم علي عجب		Lab Number:	1293-2026	
Pt. Age:	Adult.	Gender:	Female	Received date:	2026-02-24
Referred By:	د/ رواد عبد الحبيب		Reported date:	2026-02-28	

### PATHOLOGY REPORT

Clinical Information.	Diabetic female patient presenting with a one-month history of a non-healing mandibular extraction socket, swelling, alveolar bone resorption, and mobility of adjacent teeth,?? osteomyelitis.
Nature of specimen.	Excision biopsy.

#### GROSS:

Four soft tissue fragments collectively measured 1.5x1x0.7 cm, including one tooth.

#### MICROSCOPIC:

Ulcerated mucosal fragments are infiltrated by an invasive malignant epithelial neoplasm of squamous origin, organized in irregular nests, cords, and solid sheets. The neoplastic cells exhibit marked nuclear pleomorphism, hyperchromasia, and prominent eosinophilic nucleoli with active mitosis. Focal keratinization is identified. The stroma demonstrates desmoplastic response associated with a dense lymphoplasmacytic infiltrate and foci of tumor necrosis.

#### DIAGNOSIS:

##### Alveolar margin lesion, biopsy:

- Squamous Cell Carcinoma, moderately differentiated (G2).

#### Comment

Given the reported clinical evidence of bone resorption, this lesion carries significant staging implications; under the AJCC 8th Edition, invasion through the cortical bone into the medullary space classifies the primary tumor as T4a, regardless of surface diameter. Immediate oncological staging via contrast-enhanced imaging (CT/MRI) and clinical neck examination is essential to assess for regional lymph node metastasis.

#### Pathologist

Prof. Dr. Neveen Tahoun, MD, PhD  
28-02-2026

*Nerveen Tahoun*