Peripheral ameloblastoma is a relatively uncommon odontogenic tumor that is histologically identical to the classic intra-osseous ameloblastoma. It originates in the soft tissues of the oral cavity namely alveolar mucosa or gingiva.\textsuperscript{1} Granular cell ameloblastoma is a rare variant of ameloblastoma which accounts for only 5\% of all ameloblastomas as stated by Hartman.\textsuperscript{2} Histopathologically it has numerous large granular cells. These usually form the central mass of epithelial islands and cords. Ultrastructurally, these granules represent lysosomal aggregates.\textsuperscript{3} Reichart \textit{et al}. reported a 33.3\% recurrence rate for granular cell ameloblastoma, which was higher, compared to the more common follicular, plexiform, and acanthomatous subtypes.\textsuperscript{4}

A 32-year-old female from Nagpur came to the department with a chief complaint of growth in the left mandibular posterior region since 2 years. Intra orally a fibrous tissue growth in the buccal posterior region was seen approximately $3 \times 4 \text{ cm}^2$ in size with round to oval shape, with a reddish color and regular surface (Figure 1). Swelling was firm in consistency with well-defined borders. Patient gave a history of hemimandibulectomy for ameloblastoma of left side 5 years back. Incisional biopsy was done in which the diagnosis was given as recurrent ameloblastoma - granular cell type. Considering the lesion within the soft tissue the surgical treatment modality was planned as excision of the ameloblastoma. The surgical procedures are carried out under general anesthesia with excision of the lesion and reconstruction plate was placed. Histopathological examination of the excisional mass shows odontogenic epithelium arranged in follicle of various sizes (Figure 2).

**Figure 1:** Preoperative intraoral view

**Figure 2:** Low power view (×10): The connective tissue shows odontogenic epithelium arranged in the follicle of various sizes. The follicles show peripherally arranged tall columnar ameloblast like cells while the central portion shows stellate reticulum like cells, and granular cells with coarse eosinophilic granules
The follicles show peripherally arranged tall columnar ameloblast like cells while the central portion shows stellate reticulum like cells (Figure 3). Many follicles are showing granular cells with coarse eosinophilic granules (Figure 4).

The final histopathological diagnosis was given as recurrent granular cell ameloblastoma.

**Points to Ponder**
- Ameloblastoma in the extragingival location, i.e. in the buccal mucosa are extremely rare.
- Granular cell ameloblastomas may rarely behave in a malignant fashion giving rise to metastasis.3

**REFERENCES**


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