## Diagnostic Enigma of Ameloblastic Carcinoma

### CASE PRESENTATION
- **55-year-old female**
- **Slow growing, small**
- **Painless growth**
- **Site:** Lower anterior region of jaw
- **Duration:** One year
- **Pus & blood drainage**

### MANAGEMENT & PATIENT OUTCOME
- Hemi-mandibulectomy with neck dissection under antibiotic coverage
- Reconstruction with free fibular graft.
- Current status: Radiotherapy and chemotherapy.

### DISCUSSION
- Rare malignant odontogenic tumour
- De-novo; by malignant transformation (2°)
- Male-to-female ratio is 1.97:1
- Mandible-to-maxilla ratio is 1.71:1
- 70% involved the posterior portion of jaw
- 5 & 10-year survival proportions: 72.9% and 56.8%
- The recurrence rate after surgery was 28.3%

### IMMUNOHISTOCHEMICAL STUDIES
- Positive for CK5, CK18, P40, P16
- Negative for CD34, SMA, Desmin, S100

### References:
1. Pindborg JJ. Histological typing of odontogenic tumors, jaw cysts and allied lesions 1971
2. Fonseca FP et al Ameloblastic carcinoma with extensive squamous differentiation areas and dedifferentiated regions. OOOO 2016
4. Slootweg PJ et al Malignant ameloblastoma or ameloblastic carcinoma. OOO 1984