

**Nigerian National Diagnostic Histopathology EQA circulation 014 (For the May 2018 TSL workshops). Mastersheet**

1. 36 yrs. F. Maxilla lesion. **DIAGNOSIS:** Odontogenic fibroma.
2. 51 yrs. F. Maxilla lesion. **DIAGNOSIS:** Plexiform ameloblastoma.
3. 36 yrs. F. Maxilla lesion. **DIAGNOSIS:** Plexiform ameloblastoma.
4. 23 yrs. M. Mandible lesion. **DIAGNOSIS:** Keratoacanthomatous ameloblastoma
5. 42 yrs. M. Mandible lesion. **DIAGNOSIS:** Keratin – probably cyst content, suggestive but not diagnostic of a keratocystic odontogenic tumour.
6. 25 yrs. F. Mandible lesion. **DIAGNOSIS:** Ameloblastic fibroma.
7. 67 yrs. M. Mandible lesion. **DIAGNOSIS:** Odontogenic keratocyst
8. 12 yrs. F. Mandible lesion. **DIAGNOSIS:** Radicular cyst.
9. 42 yr old F with anterior neck swelling, clinical diagnosis of Colloid goiter  
**DIAGNOSIS:** Papillary thyroid carcinoma, most likely the follicular variant
10. 34 yr old F with anterior neck swelling. **DIAGNOSIS:** Necrotizing granulomatous thyroiditis secondary to a ruptured thyroglossal cyst.
11. 87 yr old M, left painless parotid mass of 8 years duration. **DIAGNOSIS:** Basal cell adenoma
12. 38 yr old M, right parotid mass, ?Parotid adenoma. **DIAGNOSIS:** Pleomorphic adenoma
13. 48 yr old F, progressive right thyroid lobe swelling deviating the trachea. **DIAGNOSIS:** Follicular adenoma
14. 40 yr old with right parotid swelling. **DIAGNOSIS:** Pleomorphic adenoma
15. 40 yr old F who had thyroidectomy. **DIAGNOSIS:** Papillary thyroid carcinoma (follicular variant).
16. 52 yr old F with painful parotid swelling with mild paresis of the buccal branch of the facial nerve. **DIAGNOSIS:** High grade mucoepidermoid carcinoma.
17. 30 year old male. Right thyroid lobe 70 mm nodule THY3F. **DIAGNOSIS:** Follicular carcinoma of the thyroid.
18. Gingival swelling in 12 year old female. **DIAGNOSIS:** Peripheral giant cell granuloma/giant cell epulis
19. 53 yr old F with jaw swelling. **DIAGNOSIS:** Low grade mucoepidermoid carcinoma.
20. 6 yr old boy, painless right eye proptosis for 9 months – right supra-orbital tumour. No associated visual loss. **DIAGNOSIS:** Probably psammomatous meningioma. Immunohistochemistry required.
21. Male 36yrs. Headache, neck pain, nasal obstruction, weight loss and poor appetite. MRI showed mass in the nasopharynx. **DIAGNOSIS:** Nasopharyngeal angiofibroma

## THE USE OF IMMUNOHISTOCHEMISTRY.

22. Adult male, occipital scalp lesion. **IHC:** lesional cells are (22b) TTF-1 and (22c) thyroglobulin positive. **DIAGNOSIS:** Metastatic thyroid carcinoma.
23. Adult female with slowly growing lesion in palate 5 mm greatest dimension ? pleomorphic adenoma. **IHC:** (23b) p63 marks squames, no myoepithelial cells with (23c) SMMHC, (23d) Ki-67 index about 1%. **DIAGNOSIS:** Low-grade mucoepidermoid carcinoma
24. Male 3 yrs. Left orbital mass. Patient had symmetrical masses involving both orbits, lacrimal glands and adherent to extraocular muscles. **IHC:** epithelioid histiocytes express (24b) CD68 and (24c) S-100. (24d) CD21 marks the FDC meshworks. **DIAGNOSIS:** orbital (extra-nodal) Rosai-Dorfman disease
25. Female 13 yrs. Lymph node biopsy from submandibular salivary gland. Bilateral parotid and submandibular gland swelling with associated bleeding gums. **IHC:** (25b) AE1/3 marks epithelial cells, germinal centres are (25c) BCL-2 negative, (25d) HIV p24 is positive. **DIAGNOSIS:** HIV associated Mikulicz disease (benign lymphoepithelial lesion) of the salivary gland.