

**Nigerian National Diagnostic Histopathology EQA circulation 013 (For the November 2017 TSL workshops). Mastersheet**

**PART A - SKIN**

1. Non-ulcerated solitary circumscribed scalp nodule, 44yrs Male. **DIAGNOSIS:** Trichoepithelioma, strong DDX- BCC. Factors against- presence of papillary mesenchymal body, young age, No ulcer
2. Forehead ulcerated hyperpigmented nodule, 56yrs Female. **DIAGNOSIS:** BCC
3. Mons pubis swelling/mass, 25yrs, Female. **DIAGNOSIS:** Nodular hidradenoma
4. Vulval growth, labia mass, 40yrs, Female. **DIAGNOSIS:** Hidradenoma papilliferum
5. Supra pubic warts extending to lower abdomen. **DIAGNOSIS:** Molluscum contagiosum
6. Forearm and palm warty hyperpigmented rashes, 61yrs, Female. **DIAGNOSIS:** keratoacanthoma
7. Leg mass, Adult. **DIAGNOSIS:** Poroma
8. 70yr old man, recurrent knee mass,? Incomplete initial excision of a circumscribed lesion. **DIAGNOSIS:** Porocarcinoma
9. Nodular lesion on the cheek of a 13 year old girl. **DIAGNOSIS:** Pilomatrixoma
10. Skin nodule side of foot in 36 year old man. **DIAGNOSIS:** Eccrine poroma
11. Pigmented lesion plantar aspect of left foot in a 65 year old female. **DIAGNOSIS:** acral lentiginous malignant melanoma
12. Mole (?malignant melanoma) from abdomen of a 43 yr old male. **DIAGNOSIS:** compound melanocytic naevus.
13. Mole (?malignant melanoma) excised from the epigastrium of a 79 yr old man. **DIAGNOSIS:** superficial spreading malignant melanoma
14. 73 yr old man with lesion left elbow ? keratoacanthoma. **DIAGNOSIS:** nodular malignant melanoma
15. Tender lump side of terminal phalanx right little finger in 34 yr old female. Lesional cells express SMA and CD34 in a strong uniform manner but are negative with S100 and cytokeratins. **DIAGNOSIS:** glomus tumour
16. Right wrist papule present for a few years in a 64 yr old female. **DIAGNOSIS:** dermatofibroma/benign fibrous histiocytoma.
17. 18 yr old male, lesion right side of chest. **DIAGNOSIS:** (juvenile) xanthogranuloma.

18. Adult male with mass in left inguinal region. Lesional cells have strong uniform expression of CD34 but are negative with S100, Desmin and CD31. **DIAGNOSIS:** dermatofibrosarcoma protuberance

#### PART B – MISCELANEOUS (USE OF IMMUNOHISTOCHEMISTRY)

19. Right upper lid mass of 2 months duration in 3 yr old female. Lesional cells have strong uniform expression of desmin and sarcomeric actin but are negative with S100 and AE1/3 (cytokeratins). **DIAGNOSIS:** embryonal rhabdomyosarcoma

20. Female 54 yrs with abdominal swelling of 10 yrs. Solid cystic right ovarian mass found at operation. Tumour cells express CD56 but are negative with WT-1 and GCDFP-15. **DIAGNOSIS:** grade 1 well-differentiated neuroendocrine tumour arising in a dermoid cyst (carcinoid)

21. 48 yr old man. Lymph node excision biopsy (site not specified). Tumour cells express AE1/3 (cytokeratins) and Hep Par 1 but are negative with S100. **DIAGNOSIS:** (metastatic) grade 3/4 hepatocellular carcinoma.

22. Male 25 yrs with retroperitoneal tumour 21 x 15 x 15 cm tightly covered by sigmoid/transverse colon mesentery. Tumour cells have strong uniform expression of CD34 but are completely negative with S100, EMA, desmin, AE1/3 (cytokeratins), CD117 and DOG-1. Ki-67 index = 1%. **DIAGNOSIS:** solitary fibrous tumour (perineurioma excluded with EMA negativity)

23. Male 63 yrs with upper abdominal swelling gradually increasing in size for 4yrs. Early satiety and weight loss. No constipation or vomiting. Intra-op finding of solid mass 30 x 30 x 20 cm arising from lesser curvature of stomach. Tumour cells express CD34, CD117 and DOG-1 with a Ki-67 index of 1%. They are negative with S100 and desmin. **DIAGNOSIS:** GIST

24. Left popliteal soft tissue mass in a 31 yr old man. Patchy strong expression of S100 by tumour cells which are completely negative for cytokeratins (AE1/3) and CD31. **DIAGNOSIS:** Myxoid liposarcoma (high grade)

25. Excision of previously (histologically diagnosed) DFSP in 70 yr old male (site not stated). Tumour cells have strong uniform expression of CD34 and very focal/patchy expression of S100 in a small minority of cells. They are negative with desmin EMA, NFP and broad spectrum cytokeratins (AE1/3). **DIAGNOSIS:** MPNST