

# EQA 013

## for the Nov 2017 workshops

Final analysis of responses received with Diagnoses

# Case 1

Non-ulcerated solitary circumscribed scalp nodule, Male 44 yrs.

## CONSULTANTS

Basal cell carcinoma	8
Trichoepithelioma	1

## RESIDENTS

Basal cell carcinoma (including basosquamous carcinoma)	10
Trichoepithelioma	4
Dermal duct tumour	2
Cylindroma	2
Trichofolliculoma	1
Basaloid squamous cell carcinoma	1
Lupus vulgaris	1

DIAGNOSIS: TRICHOEPITHELIOMA 30

# Case 2

Forehead ulcerated hyperpigmented nodule female 56 yrs	
CONSULTANTS	
Basal cell carcinoma	3
Adenoid cystic carcinoma	3
No answer	1
Trichoepithelioma	1
Intradermal nevus	1
RESIDENTS	
Malignant Melanoma (with degenerative changes)	5
Basal cell carcinoma	4
Intradermal nevus	2
Benign skin adnexal tumour (nevus sebaceous)	2
Cystic nodular hidradenoma	1
Trichoepithelioma	1
No answer	1
Hidradenoma papilliferum	1
Seborrheic keratosis	1
Mucoepidermoid carcinoma	1
Acc. of eccrine glands	1
Apocrine papillary cystadenoma	1
DIAGNOSIS: BASAL CELL CARCINOMA	30

# Case 3

Mons pubis swelling/mass, 25 yrs, female	
CONSULTANTS	
Dermal duct tumour	2
Transitional carcinoma of Bartholins gland	1
Sweat gland carcinoma	1
Malignant skin adnexal tumour	1
Benign skin adnexal tumour (nodular/clear cell hidradenoma)	
Eccrine poroma (dermal)	1
Porocarcinoma	1
Adenosquamous carcinoma	1
RESIDENTS	
Hidradenoma papilliferum	4
(clear cell)(nodular) hidradenoma	4
No answer	3
Squamous cell papilloma	2
Seborrheic dermatitis	2
Trichilemmoma	1
Hidradenoma (eccrine acrospiroma)	1
Proliferating trichilemmal cyst	1
Syringocystadenoma papilliferum	1
Plasmacytoma and hidradenoma papilliferum	1
Granular cell tumour	1
DIAGNOSIS: NODULAR HIDRADENOMA	30

# Case 4

vulval growth, labial mass, 40 yrs female	
CONSULTANTS	
Hidradenoma papilliferum (papillary hidradenoma)	6
Papillary cystadenoma	1
Apocrine cystadenoma	1
Hidrocystoma	1
RESIDENTS	
Hidradenoma papilliferum	14
Benign skin adnexal tumour (basa cell fibroepithelioma)	2
Vaginal adenosis	1
Granular cell tumour	1
Cyst adenoma	1
Haemangioma	1
Ectopic thyroid tissue	1
DIAGNOSIS: HIDRADENOMA PAPILLIFERUM	30

# Case 5

supra-pubic warts extending to lower abdomen	
CONSULTANTS	
Molluscum contagiosum	8
Mobilincus contagiosum	1
RESIDENTS	
Molluscum contagiosum	21
DIAGNOSIS: MOLLUSCUM CONTAGIOSUM	30

# Case 6

forearm and palm warty hyperpigmented rashes, 61 yrs, female

## CONSULTANTS

Verruca vulgaris (with microinvasive SCC)	3
Keratoacanthoma	2
Chronic granulomatous inflammation (granuloma annulare)	1
Actinic keratosis	1
Trichilemoma	1
Condyloma acuminatum	1

## RESIDENTS

Verruca vulgaris	11
Keratoacanthoma	5
Palmaris vulgaris	2
Hypertrophic lichen planus	1
No answer	1
Melanomacanthoma	1

DIAGNOSIS: KERATOACANTHOMA 30

# Case 7

leg mass, adult	
CONSULTANTS	
Eccrine poroma	4
Mucoepidermoid carcinoma	2
Squamous papilloma	2
Benign skin adnexal tumour (eccrine spiradenoma)	1
RESIDENTS	
Eccrine poroma	6
Porocarcinoma	3
Squamous cell carcinoma	3
Basal cell carcinoma	3
Nodular (clear cell) hidradenoma	2
Madura foot	2
Tumour of the follicular infundibulum (poroma or inverted follicular keratosis)	1
No answer	1
DIAGNOSIS: POROMA	30



# Case 8

70 yr old man, recurrent knee mass ? Incomplete initial excision of a circumscribed lesion

## CONSULTANTS

Eccrine poroma	5
Trichofolliculoma	1
Trichilemmoma	1
Squamous cell carcinoma	1
Sebaceous adenoma	1

## RESIDENTS

(Eccrine) spiradenoma	3
Trichilemmoma	2
Adenoid cystic carcinoma	2
Eccrine poroma	2
Basal cell carcinoma	2
Solid/nodular hidradenoma	2
Porocarcinoma (malignant eccrine poroma)	2
Trichilemmocarcinoma	1
Hybrid acrospiroma (clear cell hidradenoma + dermal duct tumour)	1
No answer	1
Sebaceous carcinoma	1
Spiradenocarcinoma	1
Squamous cell carcinoma	1

DIAGNOSIS: POROCARCINOMA

30

# Case 9

nodular lesion on the cheek of a 13 yr old girl

## CONSULTANTS

Ameloblastoma	2
Pilomatrixoma	2
Dermoid cyst	2
Molluscum contagiosum	1
Ruptured calcified trichilemmal/pilar cyst	1
Keratinizing odontogenic cyst	1

## RESIDENTS

Ameloblastoma (multicystic)	4
No answer	3
Pilomatrixoma	3
Malignant melanoma	2
Epidermal inclusion cyst	2
Dermal duct tumour	1
Desmoplastic trichoepithelioma	1
Seborrheic keratosis	1
Basal cell adenoma	1
Fibroepithelioma of pinkus	1
Trichilemmal cyst	1
Chondrosarcoma	1

DIAGNOSIS: PILOMATRIXOMA

30

# Case 10

skin nodule side of foot in 36 yr old man

## CONSULTANTS

Ecrrine poroma

3

Verrucous carcinoma

2

Squamous cell carcinoma (well-differentiated)

1

Warts (Verrucae)

1

Benign keratinocytic tumour (acanthoma)

1

Seborrheic keratosis (with cutaneous horn)

1

## RESIDENTS

Ecrrine poroma

11

Squamous cell carcinoma (verrucous)

3

Acrospiroma (irritated ecrrine poroma)

1

Benign skin adnexal tumour

1

Seborrheic keratosis (irritated, acanthotic)

1

Cavernous haemangioma

1

Ecrrine adenoma

1

No answer

1

Verrucae

1

DIAGNOSIS: ECCRINE POROMA

30

# Case 11

pigmented lesion plantar aspect of left foot in a 65 yr old female	
CONSULTANTS	
Malignant Melanoma (breslow thickness = , clark level = etc)	3
Compound nevus	2
Junctional nevus	2
Lichenoid dermatitis	1
Intradermal nevus	1
RESIDENTS	
Malignant Melanoma (breslow thickness = , clark level = etc)(acral lentigo MM)	6
Compound nevus	4
Dermal nevus	3
Junctional nevus	2
Lichen planus/lichenoid dermatitis	2
Nevus	2
Capillary haemangioma	1
No answer	1
DIAGNOSIS: ACRAL LENTIGENOUS MALIGNANT MELANOMA	30

# Case 12

mole (? Malignant melanoma) from abdomen of a 43 yr old male

## CONSULTANTS

Compound nevus	4
Complex nevus	1
Active/dysplastic nevus	1
Pagetoid spitz nevus	1
No answer	1
Malignant Melanoma (breslow thickness = , clark level = etc)	1

## RESIDENTS

Compound (melanocytic) nevus	5
Naevus (intradermal)	3
Malignant Melanoma (breslow thickness = , clark level = etc)	3
Junctional nevus	3
Keloid	2
Dysplastic nevus	2
No answer	2
non-melanotic nevus	1

DIAGNOSIS: COMPOUND MELANOCYTIC NAEVUS

30

# Case 13

mole (? Malignant melanoma) excised from the epigastrium of a 79 yr old man	
CONSULTANTS	
Malignant Melanoma (breslow thickness = , clark level = etc)	3
Compound nevus	2
Squamous cell carcinoma (Marjolin's ulcer)	2
Mole (? Dysplastic)	1
Complex nevus	1
RESIDENTS	
Malignant Melanoma (breslow thickness = , clark level = etc)	9
Lichen planus	3
Junctional nevus	2
Compound nevus	2
(Extra mammary) Paget's disease	2
No answer	2
Embryonal rhabdomyosarcoma	1
DIAGNOSIS: SUPERFICIAL SPREADING MALIGNANT MELANOMA	30

# Case 14

73 yr old man with lesion left elbow ? Keratoacanthoma

## CONSULTANTS

Malignant Melanoma (breslow thickness = , clark level = etc)	5
(Spindle cell) Squamous cell carcinoma	2
Dermato Fibro Sarcoma Protuberans	1
Fibrosarcoma	1

## RESIDENTS

Malignant Melanoma (breslow thickness = , clark level = etc)	7
Dermato Fibro Sarcoma Protuberans	4
Squamous cell carcinoma (poorly differentiated)	3
Malignant mesenchymal tumour	1
Malignant fibrohistiocyoma	1
Benign fibrous histiocyoma	1
Keratoacanthoma	1
Undifferentiated pleomorphic sarcoma of skin	1
Nodular fasciitis	1
No answer	1

DIAGNOSIS: NODULAR MALIGNANT MELANOMA

30

# Case 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

## CONSULTANTS

Glomus tumour	8
Benign adnexal tumour (dermal poroma, hidradenoma)	1

## RESIDENTS

Glomus tumour (glomangioma)	12
Chondroid syringoma	2
No answer	2
Digital fibroma	1
Paraganglioma	1
Merkel cell carcinoma	1
Dermatofibroma	1
Malignant acrospiroma	1

DIAGNOSIS: GLOMUS TUMOUR 30



# Case 16

right wrist papule present for a few years in a 64 yr old female.

## CONSULTANTS

Dermatofibroma	8
Dermato Fibro Sarcoma Protuberans	1

## RESIDENTS

Dermatofibroma	12
Dermato Fibro Sarcoma Protuberans	4
Neurofibroma	2
Benign fibrous histiocyoma	1
No answer	1
Dermatomyofibroma	1

DIAGNOSIS: DERMATOFIBROMA/BENIGN FIBROUS HISTIOCYTOMA 30

# Case 17

18 yr old male, lesion right side of chest

## CONSULTANTS

Lepromatous leprosy (chronic granulomatous inflammation probably leprosy)	2
Tuberculoid dermatitis	2
Dermatofibroma (juvenile xanthogranuloma, with areas of xanthogranulomatous inflammation)	2
Juvenile xanthogranuloma	1
Foreign body granuloma	1
Granuloma annulare	1

## RESIDENTS

Xanthogranuloma (juvenile)	8
No answer	3
Chronic granulomatous inflammation	3
Lepromatous leprosy	1
Chronic inflammatory lesion	1
Xanthoma/xanthelasma	1
Hidradenitis suppurativa	1
Benign fibrohistiocytic tumour	1
Histiocytosis	1
Melanoma	1

DIAGNOSIS: JUVENILE XANTHOGRANULOMA

30

# Case 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

## CONSULTANTS

Dermato Fibro Ssarcoma Protuberans	3
No answer	2
Kaposi sarcoma	1
Leiomyoma	1
Fibrosarcoma	1
Cellular schwannoma	1

## RESIDENTS

Dermato Fibro Sarcoma Protuberans	14
Spindle cell lipoma	2
Dermatofibroma	1
Benign fibrous histiocyoma	1
No answer	1
Cellular schwannoma	1
Endothelioma	1

DIAGNOSIS: DERMATOFIBROSARCOMA PROTUBERANS 30

# Case 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 cytokeratins.

## CONSULTANTS

(Embryomal) rhabdomyosarcoma	6
Leiomyoma	1
Carcinosarcoma (malignant mixed tumour)	1
No answer	1

## RESIDENTS

(Embryomal) (alveolar) (pleomorphic) rhabdomyosarcoma	10
No answer	5
Squamous cell carcinoma	2
Chalazion	1
Leiomyosarcoma	1
Leiomyoma	1
Carcinosarcoma	1

DIAGNOSIS: EMBRYONAL RHABDOMYOSARCOMA 30

# Case 20

female 54 yrs with abdominal swelling of 10 yrs duration. Solid cystic right ovarian mass found at operation. Tumour cells express CD56 but are negative with WT-1 and GCDPF-15

## CONSULTANTS

Mature cystic teratoma plus carcinoid/neuroendocrine tumour	3
Ovarian carcinoid	2
Ovarian neuroendocrine carcinoma	1
Immature teratoma (with neuroendocrine features)	1
No answer	1
Paraganglioma	1

## RESIDENTS

(well differentiated) Neuroendocrine (carcinoid) tumour	9
No answer	3
(Mature cystic) teratoma	2
Dysgerminoma metastatic to skin	1
Metastatic ovarian neuroectodermal tumour	1
Mature cystic teratoma with small cell carcinoma of the ovary	1
Granular cell tumour	1
Monodermal teratoma	1
Neuroendocrine carcinoma + dermoid cyst	1
Granulosa cell tumour	1

DIAGNOSIS: GRADE 1 WELL-DIFFERENTIATED Neuro Endocrine Carcinoma ARISING IN A DERMOID CYST 30

# Case 21

48 yr old man lymph node excision biopsy (site not specified). Tumour cells express AE1/3 and HepPar1 but are negative with S100

## CONSULTANTS

(Metastatic) hepatocellular carcinoma	6
Metastatic clear cell carcinoma ? renal origin	1
No answer	1
Metastatic hepatoid adenocarcinoma (from stomach or colon)	1

## RESIDENTS

(Metastatic) hepatocellular carcinoma	10
Metastatic clear cell carcinoma (renal)	5
No answer	2
Metastatic carcinoma	2
Metastatic hepatoid carcinoma	2

DIAGNOSIS: (metastatic) HEPATOCELLULAR CARCINOMA (clinically exclude hepatoid adenocarcinoma) 30

# Case 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, CD117 and DOG-1. Ki-67 index = 1%

## CONSULTANTS

Gastro-Intestinal Stromal Tumour (high risk)	3
No answer	2
Dermatofibrosarcoma protuberans	2
Vascular leiomyoma	1
Solitary fibrous tumour	1

## RESIDENTS

Dermatofibrosarcoma protuberans	8
Solitary fibrous tumour	2
No answer	2
Gastro-Intestinal Stromal Tumour (malignant)	2
Fibrosarcoma	1
Fibromatosis	1
Leiomyoma	1
Spindle cell tumour	1
Haemangiopericytoma	1
Intermediate grade sarcoma/malignant fibrous histiocytoma	1
Benign fibrous histiocytoma	1

DIAGNOSIS: SOLITARY FIBROUS TUMOUR (Perineurioma excluded because of EMA negativity) 30

# Case 23

male 63 yrs with upper abdominal swelling gradually increasing in size for 4 yrs. 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.

## CONSULTANTS

Gastro-Intestinal Stromal Tumour (high risk)

8

No answer

1

## RESIDENTS

Gastro-Intestinal Stromal Tumour (high risk, malignant)

18

No answer

2

Leiomyoma

1

DIAGNOSIS: GASTRO-INTESTINAL STROMAL TUMOUR

30



# Case 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 and CD31.

## CONSULTANTS

Liposarcoma (pleomorphic)	6
Atypical lipomatous tumour	1
No answer	1
Hibernoma	1

## RESIDENTS

Liposarcoma (liposarcoma)	12
No answer	5
Benign fibrohistiocytic tumour	2
Nodular fasciitis	1
Schwannoma	1

DIAGNOSIS: MYXOID LIPOSARCOMA (High grade) 30

# Case 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

## CONSULTANTS

Dermato Fibro Sarcoma Protuberans (residual/recurrent)	5
Fibrosarcoma	3
No answer	1

## RESIDENTS

Dermato Fibro Sarcoma Protuberans (residual/recurrent)(with fibrosarcomatous transformation)	14
Fibrosarcoma	3
No answer	3
MPNST	1

DIAGNOSIS: MALIGNANT PERIPHERAL NERVE SHEET TUMOUR 30

# List of participants – many thanks!

<b>CONSULTANTS</b>		<b>RECEIVED FROM GHANA</b>
ehgla	Mercury	Jewels (consultant)
TSL4real	Longine	IJE17 (resident)
KPEB 22	OLAT	mat100787 (resident)
DD02	ATURU44	
<b>RESIDENTS</b>		
CHENGSHONGDEL	placebo	
737	XINUS	
olumo	Francobarexy	
UBE	HMB45	
JOHNHOPKINS 17	oi10	
h.m	atrat	
Doc Jazzy	Michael Nweke	
52001	Uchenna Ezenkwa	
ALHY	dlat	
dotman700		
<b>STATES REPRESENTED</b>		
Taraba	Oyo	
Edo	Akwa Ibom	
Lagos	Abuja	
Diaspora		