

TSL-WADIAP EQA 016

FINAL analysis of responses

CASE 1: Female 20 yrs. Lesion on forearm	
CONSULTANTS	
Juvenile Xanthogranuloma variant of fibrous histiocytoma (nevoxanthoendothelioma)	2
Dermatofibroma (fibrous histiocytoma) - xanthomatous/histiocytic variant	2
Chronic granulomatous inflammation (? Leprosy, mastitis)	2
Giant cell tumour r/o benign fibrous histiocytosis	1
No answer	1
RESIDENTS	
Dermatofibroma (Benign fibrous histiocytoma)	5
Histiocytosis X/Langerhan's cell histiocytosis	3
Chronic granulomatous inflammation	3
Inflammatory pseudotumour	1
Granuloma annulare	1
Rosai Dorfman disease	1
Cutaneous leishmaniasis	1
Giant cell tumour of soft tissue	1
Acute on chronic dermatitis	1
Inflammatory undifferentiated pleomorphic sarcoma	1
Xanthogranuloma	1
Benign fibrohistiocytic tumour	1
Sarcoidosis	1
DIAGNOSIS: XANTHOGRANULOMA to R/O EXTRA-NODAL ROSAI-DORFMAN DISEASE	29

CASE 2. Male 62. Gluteal lesion. :	
CONSULTANTS	
(Well-differentiated, acantholytic, pseudovascular) Squamous Cell Carcinoma	3
Malignant proliferating pilar tumour (proliferating trichilemmal cyst/tumour)	2
Malignant skin adnexal tumour	1
Benign skin adnexal tumour	1
No answer	1
RESIDENTS	
Squamous cell carcinoma (well-, mod-differentiated)(pseudoglandular, acantholytic, metastatic)	15
No answer	2
Eccrine hidradenoma	2
Melanoma	1
Necrobiosis lipoidica	1
DIAGNOSIS: PILOMATRICEAL CARCINOMA	29

CASE 3. Female 35. Lumbar plaques	
CONSULTANTS	
Lymphangioma circumscriptum	3
Pemphigus	3
Hydrocytoma	1
Colloid Milium	1
RESIDENTS	
Vesiculobullous lesion/bullous skin lesion, (bullous pemphigoid, epidermolysis bullosa, eczema)	7
Lymphangioma circumscriptum	6
No answer	5
Superficial lymphangioma	1
Pemphigus foliaceus	1
Blistering skin lesion	1
DIAGNOSIS: LYMPHANGIOMA CIRCUMSCRIPTUM	29

CASE 4. Male 54. Lesion on face.	
CONSULTANTS	
Parasitic infestation (r/o leishmaniasis)	2
Cutaneous leishmaniasis	2
Herpes Simplex	1
Pyogenic granuloma	1
Bacillary angiomatosis	1
No answer	1
RESIDENTS	
Cutaneous leishmaniasis	3
Lepromatous leprosy	3
Chronic (suppurative) granulomatous inflammation	3
No answer	3
acute/chronic necrotising inflammation (?Bartonellosis)	1
Melanocarcinoma	1
Pyogenic granuloma	1
Necrobiosis lipoidica	1
Sweet syndrome	1
Xanthomatous inflammation	1
Lichenoid dermatitis	1
Bacillary angiomatosis	1
Spongiotic dermatitis	1
DIAGNOSIS: LEISHMANIASIS	29

CASE 5. Female 9, albino. Groin lesion	
CONSULTANTS	
Compound melanocytic nevus	2
Compound mole	1
Skin adnexal tumour	1
Epidermal nevus	1
Nevus	1
Nodular melanoma	1
Intradermal Nevus	1
RESIDENTS	
Compound nevus	8
Junctional nevus	3
Epidermal nevus	2
Basal cell adenoma	1
Benign nevus	1
Malignant melanoma	1
Lepromatous leprosy	1
Seborrhoeic dermatitis	1
No answer	1
Trichoepithelioma	1
Merkel cell tumour	1
DIAGNOSIS: COMPOUND MELANOCYTIC NAEVUS	29

CASE 6. Female 30. Excoriated skin	
CONSULTANTS	
Psoriasis	5
Epidermolysis bullosa	1
Psoriasiform dermatitis	1
Lichenoid dermatitis	1
RESIDENTS	
Psoriasiform dermatitis/reaction pattern (psoriasis)	17
Lichenoid dermatitis	2
Non-specific dermatitis	1
Lichen planus	1
DIAGNOSIS: PSORIASIS	29

CASE 7. Male 32. Lesion on leg	
CONSULTANTS	
Lichen planus	6
Psoriasiform dermatitis	1
No answer	1
RESIDENTS	
Lichen planus	16
Lichenoid reaction pattern (Lichenoid dermatitis)	2
Nodular dermatitis (sarcoidosis, fungal infection, tuberculoid leprosy)	1
Junctional nevus	1
Poroma	1
DIAGNOSIS: LICHEN PLANUS	29

CASE 8. Female 32, skin biopsy	
CONSULTANTS	
Vesiculobullous skin lesion (probably pemphigus foliaceus)	2
Pemphigus (foliaceus, vulgaris, intraepidermal)	6
RESIDENTS	
Pemphigus (foliaceus, vulgaris, IgA)	17
Psoriasis	1
Vesiculobullous skin lesion (staphylococcal scalded syndrome)	1
Pityriasis rosea	1
Bullous impetigo	1
DIAGNOSIS: PEMPHIGUS	29

CASE 9. Female 42. Umbilical biopsy	
CONSULTANTS	
Endometriosis (externa)	7
Apocrine syringoadenoma papilliferum	1
RESIDENTS	
Endometriosis	20
Syringocystadenoma papilliferum	1
DIAGNOSIS: ENDOMETRIOSIS	29

CASE 10. Female 55. Lesion on trunk	
CONSULTANTS	
Pemphigus vulgaris	3
Bullous pemphigoid	2
Spongiotic dermatitis ? Irritant contact dermatitis	1
Ruptured keratinous cyst	1
Blind-ending fistulous tract	1
RESIDENTS	
Pemphigus (vulgaris)	14
Fibroepithelial polyp	1
Suprabasal vesiculobullous disorder (Haliley-Hailey, Grover, Darier)	1
Intradermal nevus	1
Keloid/hypertrophic scar	1
Bullous pemphigoid	1
Lupus	1
LEP	1
DIAGNOSIS: PEMPHIGUS VULGARIS	29

CASE 11. Female 34, skin lesion biopsy	
CONSULTANTS	
Seborrhoiec keratosis (pigmented)	5
Verruca	1
Nevus sebaceous of Jadassohn	1
Dilated pore of winner	1
RESIDENTS	
Seborrhoiec keratosis	14
Nevus sebaceous (of Jadasson)	2
Seborrhoec dermatitis	2
Sebaceous keratosis	1
Benign skin lesion (seborrhoec keratosis, nevus sebaceous)	1
Sebaceoma	1
DIAGNOSIS: SEBORRHOEIC KERATOSIS	29

CASE 12. Male 3, skin lesion biopsy	
CONSULTANTS	
Giant cell tumour of tendon sheath/Nodular tenosynovitis	2
Chronic granulomatous inflammation (granulomatous dermatitis)	2
Xanthogranuloma	1
Tuberculoid leprosy	1
Dermatofibroma (fibrous histiocytoma)	1
Giant cell fibroblastoma	1
RESIDENTS	
Juvenile xanthogranuloma	7
Chronic granulomatous inflammation (lupus vulgaris)	5
Leprosy (tuberculoid)	3
Dermatofibroma (fibrous histiocytoma)	1
Neuroblastoma	1
Lupus vulgaris	1
Small round blue cell tumour (Merkel cell carcinoma)	1
Giant cell tumour of soft tissue	1
No answer	1
DIAGNOSIS: XANTHOGRANULOMA	29

CASE 13. 20 yr old female	
CONSULTANTS	
Dermatofibrosarcoma protuberance (Bednar tumour)	7
Intradermal pigmented spindle cell naevus (Reed's naevus)	1
RESIDENTS	
Dermatofibroma (aneurysmal, cellular, atypical fibrous histiocyoma)	6
Dermatofibrosarcoma protuberance	6
No answer	2
Lupus vulgaris	2
Glomus tumour	1
Dermal duct tumour	1
Schwannoma	1
Melanoma	1
Benign spindle cell tumour (leiomyoma, dermatofibroma)	1
DIGNOSIS: CELLULAR BLUE NAEVUS	29

CASE 14. 49 yr old male. Punch biopsy left leg/shin lesion. Clinically nodular prurigo	
CONSULTANTS	
Psoriasis	2
Prurigo nodularis	2
Lichen planus	1
Keloid	1
No answer	1
Kyrle disease	1
RESIDENTS	
Psoriasis	6
Lichen simplex chronicus	4
Verrucous Squamous cell carcinoma	3
Dermatofibrosarcoma Protuberance	2
Prurigo nodularis	1
No answer	1
Pityriasis rubra	1
Pseudoepitheliomatous hyperplasia	1
Keratoacanthoma	1
Keloid/hypertrophic scar	1
DIAGNOSIS: NODULAR PRURIGO	29

CASE 15. 34 yr old male, ? BCC back of neck.	
CONSULTANTS	
No answer	2
Minimally invasive well-diff SCC (from keratoacanthoma)	2
Pityriasis rubra pilaris	1
Verrucae vulgaris	1
Mycosis Fungoidis	1
Seborrheic keratosis	1
RESIDENTS	
Keratoacanthoma (variant of well-differentiated SCC)	5
Verrucae vulgaris	4
No answer	4
Melanoma	3
Squamous cell carcinoma	2
Verrucous carcinoma	1
Seborrheic keratosis	1
Basosquamous carcinoma	1
DIGNOSIS: FOLLICLE BASED VIRAL WART	29

CASE 16. Excision of rapidly enlarging lesion on clavicle of 78 year old female	
CONSULTANTS	
Well-diff Squamous Cell Carcinoma (arising from keratinous cyst)	5
Warty dyskeratoma	1
Xx	1
No answer	1
RESIDENTS	
Well-diff Squamous Cell Carcinoma (keratinizing)	12
Ruptured epidermal (inclusion) cyst	2
Actinic keratosis	2
Lymphoepithelioma-like carcinoma	1
Trichofolliculoma	1
Plasmacytoma	1
Dermoid cyst with squamous cell carcinoma	1
No answer	1
DIAGNOSIS: WELL-DIFFERENTIATED SCC ARISING IN EPIDERMOID CYST	29

CASE 17. Male 85 yrs. Excision of squamous cell carcinoma from right frontal scalp	
CONSULTANTS	
Keratoacanthoma	3
Pilomatrixoma (Pilometrizaoma)	2
Sebaceous carcinoma	1
Benign skin adnexal tumour	1
Inverted follicular keratosis	1
RESIDENTS	
Verrucous carcinoma	4
Keratoacanthoma	4
Basosquamous carcinoma	2
Trichilemmoma	2
Squamous Cell Carcinoma (moderately differentiated)	2
No answer	2
Nodular hidradenoma	1
Eccrine hidradenoma	1
Verrucae vulgaris	1
Hypertrophic scar	1
Nodular basal cell carcinoma	1
DIAGNOSIS: TRICHILEMMAL CARCINOMA (well-differentiated)	29

CASE 18. Lesion on right thigh of 41 yr old female	
CONSULTANTS	
Dermatofibroma (rule out hypertrophic scar)	2
Keloid/Hypertrophic scar	2
No answer	2
Granuloma annulare	1
Desmoplastic melanoma	1
RESIDENTS	
No answer	5
Dermatofibroma	5
Neurofibroma	3
Allergic dermatitis (drug induced)	2
Fibromatosis	1
Desmoplastic melanoma	1
Lichen nitidus	1
Lichenoid dermatitis	1
Trichilemmoma	1
Leprosy	1
DIAGNOSIS: BENIGN FIBROUS HISTIOCYTOMA	29

CASE 19. Punch excision of epidermoid cyst from the back of a 17 yr old female. Immunohistochemistry shows that the lesional cells have strong uniform expression of CD10 and SMA with a low Ki-67 index that overall is less than 5%. They are negative with desmin, CD34, S100 protein and SOX10.

CONSULTANTS

Atypical fibroxanthoma	2
Dermatofibrosarcoma Protuberance	2
Dermatofibroma/benign fibrous histiocytosis	2
Myofibrosarcoma	1
Cellular neurothekeoma	1

RESIDENTS

Dermatofibroma	6
Dermatofibrosarcoma Protuberance	5
No answer	3
Nodular fasciitis	3
Leiomyoma	2
Atypical fibroxanthoma	1
Benign spindle cell lesion	1

DIAGNOSIS: CELLULAR BENIGN FIBROUS HISTIOCYTOMA 29

CASE 20. Right groin mass in adult male with chronic intestinal obstruction secondary to intra-abdominal malignancy. Original histopathologic diagnosis – osteosarcoma. Immunohistochemistry – tumour cells express S100 and vimentin but are negative with CD45, desmin, cytokeratins (AE1/3, 34BE12), HMB-45, CD31, SMA.	
CONSULTANTS	
(Myxoid) (chordoid) chondrosarcoma	2
Chordoma (r/o metastatic carcinoma, epithelial sarcoma)	2
Neurofibroma	1
Osteosarcoma (metastatic)	1
No answer	1
Extraskeletal Ewing's	1
RESIDENTS	
No answer	5
Osteosarcoma (metastatic)	3
Myxoid liposarcoma/Myxoliposarcoma (myxoid and round cell liposarcoma)	3
Clear cell sarcoma	3
Sebaceous carcinoma	2
Neurofibroma (plexiform)	2
Differentiated liposarcoma	1
Leiomyoma	1
Chondrosarcoma	1
DIAGNOSIS: EPITHELIOID MPNST or ROUND CELL LIPOSARCOMA	29

CASE 21. Recurrent posterior neck swelling in adult male. Immunohistochemistry – widespread patchy expression of S100, negative with desmin, myogenin and AE1/3.	
CONSULTANTS	
Malignant Peripheral Nerve Sheet Tumour.	4
Schwannoma (cellular)	2
Fibrosarcoma	1
Neurofibroma	1
RESIDENTS	
No answer	5
Malignant Peripheral Nerve Sheet Tumour.	5
Fibrosarcoma	4
Intermediate grade sarcoma (MPNST, leiomyosarcoma)	3
Schwannoma (cellular)	1
Leiomyosarcoma	1
Sebaceous carcinoma	1
Dermatofibrosarcoma Protuberance	1
DIAGNOSIS: MPNST	29

CASE 22. Adult male, muscle mass. Original diagnosis of malignant mesenchymal tumour ? chondrosarcoma. Immunohistochemistry – uniform expression of vimentin, patchy expression of CD99 occasional cells S100 protein positive	
CONSULTANTS	
Ewing sarcoma/PNET	4
Osteosarcoma (chondroblastic variant)	1
Extraskeletal myxoid chondrosarcoma	1
No answer	1
Ganglio neuronblastoma	1
RESIDENTS	
No answer	6
Ewing sarcoma/PNET	2
Mesenchymal chondrosarcoma	2
Carcinosarcoma	1
Extraskeletal chondrosarcoma	1
Plasmacytoma	1
High grade sarcoma (rhabdomyosarcoma, chondrosarcoma)	1
Extraskeletal osteosarcoma	1
Synovial sarcoma	1
Granular cell tumour	1
Leiomyosarcoma	1
Malignant Peripheral nerve sheet tumour	1
Rhabdomyosarcoma	1
Osteosarcoma (chondroblastic)	1
DIAGNOSIS: RADIOLOGY to distinguish btw mesenchymal chondrosarcoma and chondroblastoma or CMF	29

CASE 23. Right flank mass in 47 yr old female who began menstruating again after 19 months of amenorrhea. USS – hydronephrosis. Intraop – mass attached to caecum, appendix, right ureter and right fallopian tube. Initial diagnosis of MPNST. Immunohistochemistry – fairly uniform expression of desmin, patchy expression of EMA, negative with myogenin AE1/3, S100, CD34, CD117 and Dog1

CONSULTANTS

Leiomyosarcoma	3
Pleomorphic rhabdomyosarcoma	2
No answer	1
Malignant Peripheral Nerve Sheet Tumour	1
Leiomyoma	1

RESIDENTS

No answer	7
Leiomyosarcoma	6
High grade sarcoma	2
Epithelioid sarcoma	1
Malignant Peripheral Nerve sheet tumour	1
Synovial sarcoma	1
Rhabdomyosarcoma	1
Dermatofibrosarcoma with fibrosarcomatous transformation	1
Extraintestinal GIST	1

DIAGNOSIS: if no connection to uterus = WELL-DIFFERENTIATED LEIOMYOSARCOMA 29

CASE 24. Female 52 yrs. Pelvic (retroperitoneal) mass ?? Sarcoma. Patient is known hypertensive being managed for a pelvic mass which occurred 2 years post TAH and BSO. Immunohistochemistry - Tumour cells show strong uniform expression of CD56 but are negative with CD34, desmin, broad spectrum cytokeratins (AE1/3), S100, CD21, CD23 and CD68

CONSULTANTS

No answer	2
Fibroma (?ovarian)	1
Langerhan cell histiocytosis/Langerhan cell sarcoma	1
Nodular fasciitis	1
Pleomorphic sarcoma	1
Malignant Peripheral Nerve Sheath tumour	1
Large cell neuroendocrine carcinoma	1

RESIDENTS

No answer	12
Inflammatory myofibroblastic tumour	1
Malignant Peripheral Nerve Sheath tumour	1
NK lymphoma	1
Neuroendocrine carcinoma	1
Dermatofibrosarcoma protuberance	1
Malignant mesenchymal tumour	1
Synovial sarcoma	1
Leiomyosarcoma	1
Rhabdomyosarcoma	1

DIAGNOSIS: subject to clinical clarification = POST-OPERATIVE (pseudosarcomatous) SPINDLE CELL NODULE 29

CASE 25. Female 24 yrs sickle cell anaemia. Open reduction and internal fixation of pathologic fracture distal third of femur. No immunohistochemistry done	
CONSULTANTS	
Osteo(genic)sarcoma	5
No answer	1
Old granulomatous inflammation/healing scar	1
Diffuse large B-cell lymphoma	1
RESIDENTS	
Osteo(genic)sarcoma	9
No answer	7
Synovial sarcoma (monophasic)	2
Dermatofibrosarcoma protuberance	1
Schwannoma	1
Ossifying fibroma	1
DIAGNOSIS: OSTEOSARCOMA favoured over fracture callus	29

CONSULTANTS

UBE	Deedee
Messi	IfE
MTED78	Nas
T-To	Prof. Banjo

RESIDENTS

Bond	JIN
SamB 19	maverick
OI10	New
adeayocare	Sted 3
Adi88	aaaaa
Sam	saka
eku	Olumo
HM	AL
Dave	99
Ringers	

TOWNS/STATES

Uyo - Akwa Iboma	Zaria/Bauchi
Ibadan	Lagos
Nnewi	Yola
Jos	nigeria
Benin	