

# South East England General Histopathology EQA Scheme



## Round p Final Case Analyses

**v2 FINAL**

Cases 817 to 828

Circulated  
**May - June 2021**  
151 responses (88.30%)  
Prepared August 2021

For information on scoring and statistical analysis, please see explanation on our website under section "How the scoring works".

Authorised by:

Prof J Schofield

Date: 23/08/21

With thanks to those who contributed to this round:

Trust	ISO accreditation number
<b>Brighton and Sussex University Hospitals NHS Trust</b>	<b>9337</b>
<b>Croydon Health Services NHS Trust</b>	<b>9913</b>
<b>East Sussex Healthcare NHS Trust</b>	<b>8790</b>
<b>Frimley Park Hospital NHS Foundation Trust</b>	<b>9727</b>
<b>Guys and St Thomas's NHS Foundation Trust</b>	<b>9323</b>
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<b>Mid and South Essex NHS Foundation Trust</b>	<b>7880</b>
<b>Surrey and Sussex Healthcare NHS Trust</b>	/
<b>Western Sussex Hospitals NHS Foundation Trust</b>	/

**Case Number:** 817 [Click here to view digital image](#)

**Diagnostic category:** Miscellaneous

**Clinical:** F48. Probable neuroma ulnar border of distal phalanx left ring finger

**Specimen :** Lump from finger

**Macro :** Pale Tissue 4mm

**Immuno :** SMA+, Desmin+, CD34+, S100-, Melan A-, MNF-116-

	<b>Final Merges</b>	<b>Score</b>
1	<b>Glomus Tumour</b>	<b>9.81</b>
2	<b>Angioleiomyoma</b>	<b>0.01</b>
3	<b>Myopericytoma / perivascular myoid tumour</b>	<b>0.16</b>
4	<b>Epithelioid leiomyoma</b>	<b>0.02</b>

**Most popular diagnosis:** Glomus Tumour

**Reported Diagnosis:** Glomus Tumour

**Case Number:** 818 [Click here to view digital image](#)

**Diagnostic category:** Respiratory

**Clinical** : M63. Large L sided pleural effusion with nodular macroscopic appearance of pleura, likely malignancy. PMH bowel cancer 2017.

**Specimen** : Pleural Biopsy

**Macro** : Multiple pieces of cream fibrous tissue 25x20mm in aggregate

**Immuno** : Positive: CK20; CDX2; BER-EP4, Negative: CK7; Calretinin

	<b>Final Merges</b>	<b>Score</b>
1	<b>Metastatic colorectal adenocarcinoma</b>	<b>9.71</b>
2	<b>Metastatic adenocarcinoma NOS</b>	<b>0.28</b>
3	<b>Pulmonary enteric adenocarcinoma</b>	<b>0.01</b>

**Most popular diagnosis:** Metastatic colorectal adenocarcinoma

**Reported Diagnosis:**

Moderately differentiated adenocarcinoma c/w colorectal origin

**Case Number: 819**

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**Diagnostic category:** Lymphoreticular

**Clinical :** M76. Previous renal transplant recipient 1996. Now has palpable lymphadenopathy in right supraclavicular region. ? lymphoma.

**Specimen :** Supraclavicular LN

**Macro :** Two firm cream nodules, 16 x 16 x 10 mm and 6 x 6 x 4 mm

**Immuno :** Large cells positive for CD30, CD15, MUM1, PAX5 and EBER ISH but negative for CD20, CD79a, CD2, CD3, ALK1 and EMA.

	<b>Final Merges</b>	<b>Score</b>
1	Hodgkin's Lymphoma / PTLD	9.70
2	PTLD Only	0.09
3	Hodgkin's Lymphoma. Lymphocyte predominant. Nodular	0.14
4	B Cell Lymphoma	0.07

**Most popular diagnosis:** Hodgkin's Lymphoma / PTLD

**Reported Diagnosis:**

Post-transplant lymphoproliferative disorder (EBV + classical Hodgkin's lymphoma)

**Case Number: 820**

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**Diagnostic category:** Breast

**Clinical** : F64.Eczematous rash nipple

**Specimen** : Breast

**Macro** : Nipple wide excision

**Immuno** : Intraepithelial cells are Her-2 positive

	<b>Final Merges</b>	<b>Score</b>
1	<b>Paget's disease of the nipple</b>	<b>9.99</b>
2	<b>Lentigo maligna</b>	<b>0.01</b>
3	<b>Bowen's disease</b>	<b>0.01</b>

**Most popular diagnosis:** Paget's disease of the nipple

**Reported Diagnosis:** Paget's Disease

Case Number: 821 [Click here to view digital image](#)

Diagnostic category: Endocrine

Clinical : F84. Total thyroidectomy and level 6 dissection on left side.

Specimen : Total thyroidectomy

Macro : Left lobe, lobulated tissue 55x25x20mm, on section it has a partly firm white cut surface, the rest showing gelatinous appearance. The firm area measures approx. 30x22x15mm.

	Final Merges	Score
1	Papillary Carcinoma	10.00

Most popular diagnosis: Papillary Carcinoma

Reported Diagnosis: Papillary carcinoma of thyroid, possible lymphovascular invasion reaching circumferential margin, extending into parathyroid tissue. Two benign lymph nodes pT3, pN0pH0.

**Case Number:** 822 [Click here to view digital image](#)

**Diagnostic category:** Gynae

**Clinical** : F49. Irregular PV bleeding

**Specimen** : Endometrium

**Macro** : Multiple pale and tan coloured friable pieces of tissue and blood clot measuring 30mm in aggregate.

	<b>Final Merges</b>	<b>Score</b>
1	Menstrual endometrium	9.37
2	Endometrial hyperplasia	0.07
3	Hormonal Disorder with irregular shedding	0.17
4	(Treat as) Atypical endometrial hyperplasia	0.14
5	Dysfunctional uterine bleeding	0.11
6	Low grade stromal sarcoma	0.01
7	Proliferative endometrium	0.07
8	Poorly differentiated endometrial carcinoma	0.07

**Most popular diagnosis:** Menstrual endometrium

**Reported Diagnosis:** Normal menstrual endometrium

**Case Number:** 823 [Click here to view digital image](#)

**Diagnostic category:** GU

**Clinical** : M72. Left renal mass partial nephrectomy

**Specimen** : Renal mass

**Macro** : Subcapsular cystic lesion weighing 25 grams and measuring 40 x 30 x 35 mm, contains cloudy fluid. Thickness of wall 4mm, with tan necrotic material to the internal surface.

**Immuno** : CK7, MCK, EMA, AMACR, PAX8, CD10 (focal), RCC (patchy/weak), vimentin +ve. CD117 -ve

	<b>Final Merges</b>	<b>Score</b>
1	<b>Papillary Renal Cell Carcinoma</b>	<b>8.87</b>
2	<b>Clear cell Renal Cell Carcinoma</b>	<b>0.83</b>
3	<b>Renal cell carcinoma</b>	<b>0.29</b>

**Most popular diagnosis:** Papillary Renal Cell Carcinoma

**Reported Diagnosis:** Type 1 papillary renal cell carcinoma



**Case Number:** 824 [Click here to view digital image](#)

**Diagnostic category:** GI Tract

**Clinical** : M69. Wedge excision of a proximal gastric GIST.

**Specimen** : Stomach

**Macro** : Wedge of stomach. 50x30x30mm. Margin inked blue. Slicing shows a cream submucosal nodule, 27x25x25mm, lying 7mm from the stapled resection margin.

**Immuno** : Lesional cells positive diffusely with S100 protein and negative for DOG-1, CD34, SMA, DESMIN. Patchy background positivity with CD117. Ki67<1%

	<b>Final Merges</b>	<b>Score</b>
1	<b>Schwannoma</b>	<b>9.51</b>
2	<b>Neurofibroma</b>	<b>0.20</b>
3	<b>GIST</b>	<b>0.28</b>
4	<b>Neuroma</b>	<b>0.01</b>

**Most popular diagnosis:** Schwannoma

**Reported Diagnosis:** Benign nerve sheath tumour (schwannoma)

**Case Number: 825**

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**Diagnostic category:** Skin

**Clinical** : M88. Left shin? SCC

**Specimen** : Skin

**Macro** : Fleshy fragments 18 x 10 x 6 mm

**Immuno** : CK20, Cam5.2 & CD56 +ve, CK7 & TTF1 -ve

	<b>Final Merges</b>	<b>Score</b>
<b>1</b>	<b>Merkel cell tumour / carcinoma</b>	<b>10.00</b>

**Most popular diagnosis:** Merkel cell tumour / carcinoma

**Reported Diagnosis:** Merkel cell carcinoma

**Case Number:** 826 [Click here to view digital image](#)

**Diagnostic category:** GU

**Clinical** : M46. Right testicular tumour. Tumour markers normal.

**Specimen** : Orchidectomy

**Macro** : Radical orchidectomy with testis 50 x 35 x 25mm. Slicing shows a well-defined subcapsular of 12mm with an off white and red cut surface.

**Immuno:** Perls stain +++.

	<b>Final Merges</b>	<b>Score</b>
1	<b>Organising Haematoma / Infarct</b>	<b>9.55</b>
2	<b>Adenomatoid tumour</b>	<b>0.15</b>
3	<b>Malakoplakia</b>	<b>0.07</b>
4	<b>Biopsy site with macrophages &amp; iron</b>	<b>0.06</b>
5	<b>Seminoma / regressed germ cell tumour / choriocarcinoma</b>	<b>0.10</b>
6	<b>Haemangioma &amp; organising haemorrhage</b>	<b>0.08</b>

**Most popular diagnosis:** Organising Haematoma / Infarct

**Reported Diagnosis:** Organising Haematoma.

## EDUCATIONAL CASE

**Case Number:** 827

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**Clinical :** M73. Skin lesion below left ear face.

**Specimen:** Skin

**Diagnostic category:** Skin / Educational

**Macro:** Piece of tissue measuring 11x6x4mm.

<p>Trichofolliculoma x49                  Fibrofolliculoma x42                  Trichoblastoma x5                  Trichoepithelioma x4                  Trichodiscoma/fibrofolliculoma x 3                  Trichodiscoma x 3                  Giant trichofolliculoma                  Trichoblastic fibroma                  Hamartoma/Fibrofolliculoma                  Tricho folliculoma-benign appendageal tumour                  Tricho<i>adenoma</i>                  Fibrofolliculoma/hamartoma x 2                  Hair follicle Hamartoma x 2                  Basaloid follicular hamartoma x2                  Perifollicular fibroma x2                  Cystic panfolliculoma                  Epidermal cyst associated with a neural or connective tissue proliferation                  DILATED PORE OF WINER x3                  Branchial cleft cyst x 3                  Basaloid follicular hamartoma x2                  Fibroepithelioma of Pinkus                  Benign adnexal tumour x6                  Benign adnexal (follicular) neoplasm                  Benign adnexal tumour with follicular differentiation                  Benign adnexal tumour - folliculoma                  Benign hair follicle adnexal tumour, favour pillar sheet acanthoma</p>	<p>Dermoid cyst x 3                  Folliculosebaceous cystic hamartoma x4                  Verrucous cyst                  Other hamartoma x 3                  Tricholemmal hamartoma                  PROLIFERATING TRICHILEMMAL CYST                  Hamartomatous lesion                  Arrector pili hamartoma                  Keratinous cyst                  EPIDERMAL CYST                  Inverted follicular keratosis                  Sinus                  Benign cyst (epidermal inclusion cyst)                  Congenital sinus                  Benign cyst, possibly follicular origin</p>
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**Reported Diagnosis:** Fibrofolliculoma.

## EDUCATIONAL CASE

**Case Number:** 828

[Click here to view digital image](#)

**Clinical :** F51. Left breast G2 IDC. WLE & SN Bx

**Specimen:** Breast **Diagnostic category:** Breast / Educational

**Macro:** Sentinal node left axilla 1.5g. No macroscopic abnormality

**Immuno:** S100 + ve. No clinical history of melanoma.

<p>Dermatopathic lymphadenopathy x15 Dermatopathic lymphadenitis x6 Capsular naevus cells x13 SUBCAPSULAR NAEVUS x 9 Benign naevus cells in lymph node x 2 benign subcapsular nevus cells x 2 Benign naevus cells in nodal capsule x 5 Intranodular benign naevus cells Intranodal naevus (benign) Nevus cells in capsule of node x3 Naevus cell inclusion x 5 Capsular benign naevus inclusion NAEVUS CELLS x4 Benign naevus inclusion x 5 Nevus Cell Inclusion x2 Intracapsular Naevus Cells x3 CAPSULAR NAEVUS CELLS (BENIGN) x 2 Benign Capsular Naevus x 6 Benign naevus cells x 6 Reactive lymph node Naevus cells in lymph node x 3 Benign node, some dermopathic pigmented macrophages Lymph node naevoid tissue Benign naevus cell aggregates x 4 Melanocytic naevus inclusions x 2 Melanocytic Naevus Cells CAPSULAR MELANOCYTIC NAEVUS x2 Benign melanocytic naevus Benign looking naevus cells in the capsule and subcapsular sinus of the lymph node x2 Benign melanocytic nevus in lymph node capsule. Lymph node shows reactive change only. No evidence of metastatic carcinoma. Naevus cells in capsule of lymph node with dermatopathic lymphadenitis</p>	<p>Dermatopathic lymph node with Langerhans cell hyperplasia FOLLICULAR DENDRITIC CELL SARCOMA IN-SITU GRANULAR CELL TUMOUR Melanocytic rest (benign) x 4 Naevus cell rests x 3 Benign capsular naevus rest x2 Lymph node showing fatty metaplasia. No evidence of metastatic carcinoma / melanoma Follicular dendritic cell hyperplasia Well differentiated liposarcoma Langerhans cell histiocytosis Interdigitating dendritic cell sarcoma Reticulum cell sarcoma REACTICE LN HYPERPLASIA WITH SINUS HISTIOCYTOSIS Secondary carcinoma – would like to do AE1/AE3 Giant cell reaction around fat globules – induced by intervention Malignant melanoma Dendritic cell proliferation Capsular naevus and metastatic melanoma Capsular naevus and Histiocytic sarcoma. Langerhans Cell Histiocytosis Progressive transformation of germinal centre Lipomelanotic reticulosis Histiocytosis x 2 Rosai Dorfman leukaemic deposit Fat accumulation No evidence of malignancy x3 Reactive lymph node (Sinus histiocytosis) x2 Reactive lymph node with benign naevus</p>
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Benign naevus cells in the capsule. Reactive lymphadenitis with sinus histiocytosis. Lymph node appears benign. NEGATIVE FOR METASTASIS	cells in subcapsular sinus Small intracapsular melanocytic naevus; there is dermatopathic lymphadenitis which would also have abundant S100+ interdigitating cells in the paracortex
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**Reported Diagnosis:** Intracapsular Benign Naevocytes.