

South East England General Histopathology EQA Scheme

Round XX Final Case Analyses

Cases 599 to 610

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127 responses (86%)

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Authorised by:



Prof J Schofield

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With thanks to those who contributed to this round:

<u>Trust</u>	<u>CPA/ISO number</u>
East Sussex Healthcare NHS Trust	
Frimley Park Hospital NHS Foundation Trust	1214
King's College Hospital NHS Foundation Trust	
Maidstone & Tunbridge Wells NHS Trust	3060
Guys and St Thomas' NHS Foundation Trust	
Croydon Health Services NHS Trust	
Surrey & Sussex Healthcare NHS Trust	
Brighton & Sussex University Hospital NHS Trust	
South London Healthcare NHS Trust	
Western Sussex Hospitals NHS Foundation Trust	

THIS CASE HAS BEEN EXCLUDED FROM PERSONAL SCORES

Case Number: 599

Diagnostic category: GI Tract

Clinical : M67. Right parotid swelling with facial nerve involvement.

Specimen : Right parotid gland

Macro : A right parotid gland 45 x 30 x 25mm showing an ill-defined lesion with firm yellow, pink and haemorrhagic areas with measuring up to 20mm in maximum dimension.

	Final Merge	Score
1	Mucoepidermoid carcinoma	4.70
2	Salivary gland carcinoma	0.32
3	SCC in pleomorphic adenoma	0.16
4	Salivary duct carcinoma	2.27
5	Adenocarcinoma c/w carcinoma ex pleomorphic adenoma	1.57
6	Adenoid cystic ca	0.24
7	Adenosquamous carcinoma	0.08
8	Adenocarcinoma NOS / malignant salivary neoplasm	0.56
9	Low grade polymorphous carcinoma	0.02
10	Sebaceous carcinoma	0.08

Most popular diagnosis: Mucoepidermoid carcinoma

Reported Diagnosis: Carcinoma ex pleomorphic adenoma

THIS CASE HAS BEEN EXCLUDED FROM PERSONAL SCORES

Case Number: 600

Diagnostic category: Gynae

Clinical : F42. No clinical details supplied.

Specimen : Hysterectomy

Macro : Uterus 100 x 80 x 50mm. On sectioning a 15mm fibroid in the lower segment and possible fundal adenomyosis. Section is from block of abnormal area in fundus.

	Final Merge	Score
1	Adenomatoid tumour	9.74
2	Cavernous haemangioma	0.08
3	Leiomyoma	0.02
4	Variant of leiomyoma	0.08
5	Leiomyoma and adenomyosis	0.08

Most popular diagnosis: Adenomatoid tumour

Reported Diagnosis: Adenomatoid tumour

Case Number: 601

Diagnostic category: Endocrine

Clinical : F72. Enlarged right parathyroid gland. No mention of upper/lower or sizes of other glands.

Specimen : Parathyroid

Macro : Oval pale brown tissue 15 x 8 x 4mm weighing 0.28g.

	Final Merge	Score
1	Adenoma	9.97
2	Hyperplasia	0.03

Most popular diagnosis: Adenoma

Reported Diagnosis: Parathyroid adenoma

Case Number: 602

Diagnostic category: GU

Clinical : M56. Gleason 3+4. DRE:T3a. PSA 5.5

Specimen : Prostate

Macro : Prostate 40 x 46 x 32mm, 55gms 55ml.

	Final Merge	Score
1	Prostatic adenocarcinoma	10.00

Most popular diagnosis: Prostatic adenocarcinoma

Reported Diagnosis: Adenocarcinoma. Gleason 3+4=7 High grade PIN

Case Number: 603

Diagnostic category: Breast

Clinical : F60. Paget's disease right nipple.

Specimen : Breast

Macro : Right breast mastectomy weighing 1800g. An ellipse of skin measuring 190 x 60mm. Underlying fibro fatty tissue measuring 270 x 200 x 60mm.

	Final Merge	Score
1	Paget's disease of the nipple	9.66
2	Bowen's disease	0.23
3	In-situ melanoma / superficial spreading MM	0.05
4	Warty dyskeratoma	0.02
5	? squamous intraepidermal neoplasia	0.04

Most popular diagnosis: Paget's disease of the nipple

Reported Diagnosis: Paget's disease of the nipple (DCIS present but in other blocks of this specimen)

Case Number: 604

Diagnostic category: Skin

Clinical : M41. Excision lesion right cheek. ?epidermoid cyst.

Specimen : Skin

Macro : A skin ellipse 12mm x 5mm x 2mm with a central raised tan keratotic lesion measuring 4mm x 4mm.

	Final Merge	Score
1	Molluscum Contagiosum	7.82
2	Lymphoma	1.00
3	Lymphoproliferative (can't comment benign / malign)	0.10
4	Histiocytosis X / Rosai-Dorfman	0.06
5	Lymphoid hyperplasia / pseudolymphoma	0.18
6	Molluscum AND a deposit of lymphoma	0.08
7	Xanthogranuloma / granulomatosis / warty dyskeratoma	0.16
8	? Viral inclusions / probably viral / Herpes / parasitic	0.36
9	Plasmacytoma	0.16
10	Lymphomatoid papulosis	0.08

Most popular diagnosis: Molluscum Contagiosum

Reported Diagnosis: Molluscum Contagiosum (with florid lymphoid reaction)

Case Number: 605

Diagnostic category: Lymphoreticular

Clinical : F84. Excision biopsy of a right axillary lymph node. Patient with history of a recent right mastectomy for cancer.

Specimen : Lymph node

Macro : Irregular firm node 26 x 26 x 14mm.
Immuno: the tumour is ER PR negative as was the recent breast cancer.

	Final Merge	Score
1	Metastatic carcinoma	9.92
2	Metaplastic carcinoma	0.05
3	Apocrine carcinoma	0.02
4	Mucoepidermoid carcinoma	0.01

Most popular diagnosis: Metastatic carcinoma

Reported Diagnosis: Metastatic ductal carcinoma of breast origin

Case Number: 606

Diagnostic category: Miscellaneous

Clinical : F62. Nodule right thumb.

Specimen : Soft tissue

Macro : Cream coloured tissue 32 x 18 x 7mm.

	Final Merge	Score
1	Rheumatoid nodule	9.55
2	Suspicious of epithelioid sarcoma (for keratin IHC)	0.08
3	Gouty tophi	0.10
4	Infective granuloma for special stains	0.03
5	Necrobiosis lipoidica	0.16
6	Granulomatous inflammation	0.08

Most popular diagnosis: Rheumatoid nodule

Reported Diagnosis: Rheumatoid nodule

Case Number: 607

Diagnostic category: Respiratory

Clinical : M76. Definite tumour seen at entrance to right main bronchus. Not fully occluding but obstructing most of the entrance to the right lung.

Specimen : Lung biopsy

Macro : Multiple biopsies, largest measuring 2mm.

	Final Merge	Score
1	Squamous cell carcinoma	9.92
2	Non small cell carcinoma	0.08

Most popular diagnosis: Squamous cell carcinoma

Reported Diagnosis: Non-keratinising squamous cell carcinoma

Case Number: 608

Diagnostic category: GI Tract

Clinical : M64. Bright rectal bleeding. At colonoscopy, a 15mm sessile polyp excised from distal sigmoid.

Specimen : Polyp

Macro : Fragments measuring up to 15mm in greatest dimension.

	Final Merge	Score
1	(Villous / serrated) adenoma	9.71
2	Tubulovillous adenoma	0.16
3	Mixed hyperplastic adenomatous polyp with LGD	0.05
4	Villous adenoma with high grade dysplasia	0.08

Most popular diagnosis: (Villous / serrated) adenoma

Reported Diagnosis: Traditional serrated adenoma with low grade dysplasia

EDUCATIONAL CASE

Case Number: 609

Diagnostic category: Educational

Clinical : ? Metastatic RCC

Specimen : Left adrenal gland

Macro : An irregular piece of grey and brown tissue with attached adrenal, overall 55 x 33 x 30mm. Slicing shows friable greenish-white tissue. Comments: Previous right radical nephrectomy for clear cell carcinoma pT1. Review of PACS imaging revealed report of abnormal liver ?cirrhosis. Immuno: CK7-, CK20-, CAM5.2+, HepPar1+, CEA in canaliculi.

Final Merge:

<ul style="list-style-type: none"> • Metastatic hepatocellular carcinoma • Hepatocellular carcinoma • Metastatic carcinoma • Metastatic hepatoid variant of renal cell carcinoma • Metastatic hepatocellular carcinoma with clear cell change • Pheochromocytoma • Hepatocellular carcinoma and steatosis with normal adrenal gland • Metastatic carcinoma supported by immunoprofile suggestive of liver origin • Steatohepatic Hepatocellular carcinoma • Hepatocellular with cirrhosis • Hepatocellular carcinoma in ectopic liver nodule • Pigmented nodular adrenal cortical hyperplasia • Metastatic renal cell carcinoma • Metastatic hepatocarcinoma, not hepatoid RCC • Hepatoid carcinoma (exclude primary from liver) • Secondary hepatocellular carcinoma 	
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Reported Diagnosis: Metastatic hepatocellular carcinoma

EDUCATIONAL CASE

Case Number: 610

Diagnostic category: Educational

Clinical : F84. Lesion on base of tongue on the right side.

Specimen : Tongue

Macro : Piece of tissue 8 x 8 x 4mm trisected and all embedded in one cassette.

Final Merge:

<ul style="list-style-type: none"> • Canalicular adenoma • Hidradenoma papilliferum • Benign vascular lesion • Polymorphous low grade adenocarcinoma (PLGA) • Benign vascular lesion with features compatible with glomus tumour. • Papillary neoplasm ?met ?primary • Polymorphous low grade adenocarcinoma possibly arising from minor palatal salivary • Papillary thyroid carcinoma • Low grade polymorphous adenocarcinoma and angiokeratoma • Epithelial lesion, favouring benign • Benign monomorphic adenoma/canalicular type • Salivary gland benign papillary cystadenoma • Benign salivary tumour • Papillary cyst adenoma • Papillary endothelial hyperplasia (Masson tumour) • Ameloblastoma • Cribriform carcinoma • ?Ectopic thyroid tissue • ?Salivary gland tumour: pleomorphic adenoma • Sialadenoma papilliferum • ?lingual thyroid possible amyloid present • Intraduct papilloma • Mixed tumour • Benign papillary lesion • Papillary neoplasm • Papillary endothelial hyperplasia 	<ul style="list-style-type: none"> • Papillomatosis • Epithelioid angiosarcoma • Glomangioma • Monomorphic Intravascular papillary endothelial hyperplasia – Masson’s haemangioma • Medullary carcinoma of Thyroid Gland (Thyroglossal Component) • Pleomorphic low grade adenocarcinoma • Malignant; Polymorphous low grade carcinoma • Malignant • Epithelial myoepithelial carcinoma • ?tubulocystic spaces with fibrin ?adnexal, eccrine-like lesion • Myoepithelioma • Angiosarcoma • Primary ductal carcinoma • Metastatic ductal carcinoma • Benign adnexal tumour • Adenocarcinoma, ?acinic cell carcinoma papillary-cystic type • Canalicular (basal cell) adenoma • Salivary gland lesion • Sialadenoma papilliferum • Cribriform adenocarcinoma of tongue vs benign vascular lesion • Polymorphous low-grade carcinoma • Thyroid papillary tall cell carcinoma arising in an ectopic thyroid tissue • Canalicular adenoma • Masson’s ‘papillary intravascular haemangioma’ • Lingual thyroid
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Reported Diagnosis: Cribriform adenocarcinoma of the tongue (a variant of polymorphous low grade adenocarcinoma). Comment: The case was initially reported in-house as PLG adenocarcinoma but was sent to Prof P Speight for his opinion who suggested that it was a variant of PLG adenocarcinoma, namely cribriform adenocarcinoma.