

South East England General Histopathology EQA Scheme



7808

Round i Final Case Analyses

Cases 731 to 742

Circulated
September – December 2018

137 responses (86.16%)

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With thanks to those who contributed to this round:

Trust	CPA/ISO accreditation number
Frimley Park Hospital NHS Foundation Trust	7496
East Sussex Healthcare NHS Trust	3077
Western Sussex Hospitals NHS Foundation Trust	
Surrey and Sussex Healthcare NHS Trust	1814
University Hospital Lewisham	
Guys and St Thomas' NHS Foundation Trust	9323
Queen Victoria Hospital NHS Foundation Trust	8238
Colchester Hospital University Foundation NHS Trust	2930
Royal Sussex County Hospital	0779
Maidstone and Tunbridge Wells NHS Foundation Trust	8062
Kingston Hospital NHS Foundation Trust	8132

Case Number: 731

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Diagnostic category: Skin

Clinical : F84. 3cm lesion over right calf ?SCC ?Melanoma

Specimen : Skin excision biopsy

Macro : Skin ellipse 40x23x4mm with firm, slightly fleshy papular lesion, overall 30x20mm, elevated up to 7mm above the surrounding skin surface. Non-ulcerated and non-pigmented.

	Final Merges	Score
1	SCC (+/- Bowens / In-situ)	9.39
2	Porocarcinoma	0.55
3	Malignant proliferating trichilemmal tumour	0.04
4	Pagetoid Bowen's disease	0.01

Most popular diagnosis: SCC(+/- Bowens/Insitu)

Reported Diagnosis: SCC with adjacent Bowen's disease

Case Number: 732

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Diagnostic category: Breast

Clinical : F35. Breast lump

Specimen : Excision breast lump

Macro : Lobulated piece of fatty tissue measuring 35x25x12 mm with a smooth external surface. Cut surface uniformly fatty.

	Final Merges	Score
1	Hamartoma / Adenolipoma / (fibro)lipoma	8.42
2	Normal tissue + poss fat necrosis	0.15
4	Fibrocystic change (+/- PASH)	0.89
5	Fibrocystic change with fat necrosis	0.45
7	Fat necrosis	0.08

Most popular diagnosis: Hamartoma / Adenolipoma

Reported Diagnosis: Hamatoma

Case Number: 733

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Diagnostic category: GI

Clinical : M31. Raised liver enzymes. Raised AFP. Active chronic hepatitis B.
Viral load 90,000IU/ml

Specimen : Liver biopsy

Macro : Five cores of tissue between 5 and 12 mm

	Final Merges	Score
1	Chronic hepatitis (+/- fibrosis)	8.01
2	Cirrhosis (+/- Hep B)	1.90
3	Hepatitis with ? dysplastic nodule	0.07
4	IgG4 related cholangitis and/or autoimmune hepatitis	0.02

Most popular diagnosis: Chronic Hepatitis +/- fibrosis

Reported Diagnosis: Hepatitis B

Case Number: 734

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Diagnostic category: Lymphoreticular

Clinical : M51. Enlarged lymph node right neck (level 3 cervical lymph node)

Specimen : Lymph node cervical region

Macro : Fibro fatty tissue with lymph nodes measuring 55x25x17 mm. The cut surface is solid fleshy pale and tan.

	Final Merges	Score
1	Warthin's tumour (adenolymphoma)	9.76
2	Metastatic papillary tumour needing IHC	0.20
3	Lymphoepithelial lesion	0.02
4	Metastatic carcinoma	0.03

Most popular diagnosis: Warthin's tumour (adenolymphoma)

Reported Diagnosis: Warthin's tumour

Case Number: 735

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Diagnostic category: Endocrine

Clinical : F37. Thyroid lump

Specimen : Thyroid Gland

Macro : Total thyroidectomy, right lobe (50x20x25mm), left lobe (40x20x20mm) and isthmus (20x25x10mm). Total weight 36g. The right lobe contains a well circumscribed nodule 20x15x35mm, containing tan and pale grey friable material. The nodule reaches up to anterior capsule.

	Final Merges	Score
1	Papillary carcinoma	9.54
3	Hyperplastic nodule Thyroid	0.20
5	Hyalinizing trabecular adenoma	0.04
7	Follicular adenoma	0.22

Most popular diagnosis: Papillary carcinoma

Reported Diagnosis: Thyroid papillary carcinoma

Case Number: 736

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Diagnostic category: Respiratory

Clinical : F58. LLL round nodule, PET -ve, non-smoker

Specimen : LLL lung wedge excision

Macro : Wedge of lung 55x15x9mm, well circumscribed round nodule 18mm, 2mm from margin.

	Final Merges	Score
1	Pulmonary / Chondroid hamartoma	10.0

Most popular diagnosis: Pulmonary / Chondroid hamartoma

Reported Diagnosis: Pulmonary hamartoma

Case Number: 737

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Diagnostic category: Miscellaneous

Clinical : M23. Multiloculated radiolucency lower left 6 - ramus of mandible.
Previous biopsy - odontogenic keratocyst. Lower left 6 with cyst lining.

Specimen : Oral

Macro : Cyst and associated tooth lower left mandible: Molar tooth with attached pale cyst 16x12x8mm. There is a separate grey cyst 25x18x6mm, with a mostly smooth outer surface. There are a few irregular projections over an area 10mm across.

	Final Merges	Score
1	Odontogenic keratocyst	9.78
2	Odontogenic keratocyst associated with nevoid BCC	0.07
3	Radicular cyst	0.15

Most popular diagnosis: Odontogenic keratocyst

Reported Diagnosis: Keratocystic odontogenic tumour (odontogenic keratocyst)

**THIS CASE HAS BEEN EXCLUDED FROM
PERSONAL SCORES**

Case Number: 738

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Diagnostic category: Gynae

Clinical : F33. Persistent bloody yellowish discharge. On examination large 4 x 4cm cervical mass coming from inside the canal.

Specimen : Cervical Mass

Macro : Multiple fragments all together 5x3x2cm in aggregate.

	Final Merges	Score
1	Endometriosis / Endosalpingiosis	0.35
2	Fibroadenoma	0.19
3	Angiomyxoma / Angiomyoblastoma	0.22
4	Adenosarcoma	1.76
5	Endometrial / endocervical polyp	1.96
6	Adenofibroma	3.96
7	Adenomyoma	1.33
8	Adenoma Malignum (minimal deviation adenocarcinoma)	0.15
9	Other	0.01
10	Phyllodes tumour	0.07

Most popular diagnosis: Adenofibroma

Reported Diagnosis: Adenosarcoma

**THIS CASE HAS BEEN EXCLUDED FROM
PERSONAL SCORES**

Case Number: 739

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Diagnostic category: GU

Clinical : M23. 1cm firm lump lower part of right epididymis

Specimen : Epididymal lump

Macro : Pale nodule 20x10x10mm. Homogeneous pale cut surface.
AE1/AE3, vimentin, calretinin, HBME-1 all positive. EMA and
CD34 negative

	Final Merges	Score
1	Adenomatoid tumour	10.0

Most popular diagnosis: Adenometoid tumour

Reported Diagnosis: Adenometoid tumour

Case Number: 740

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Diagnostic category: GI

Clinical : F47. Abdominal pain, CT scan s/o caecal thickening.
Inflamed/ulcerated caecum. ?cause

Specimen : Caecal biopsy

Macro : Five tan biopsies largest measuring 4mm. AE, 1.
PAS + ; Trichrome +; CD68 -

	Final Merges	Score
1	Amoebiasis	10.0

Most popular diagnosis: Amoebiasis

Reported Diagnosis: Amoebic colitis (amebiasis)

EDUCATIONAL CASE

Case Number: 741

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Diagnostic category: Educational

Clinical : M48. Appendicitis

Specimen : Appendicitis

Macro : Appendix 72x9mm. The tip appears firm. Faecal contents present.

CD56, CK7, Chromogranin, Synaptophysin, mutated p53 = all
positive
Ki67 90%

<p>Goblet cell carcinoid Well differentiated neuroendocrine carcinoma Adenocarcinoma EX goblet cell carcinoid appendix Goblet cell carcinoid tumour Adenocarcinoma ex Goblet cell carcinoid Microglandular goblet cell carcinoid Goblet cell carcinoid – signet ring cell type Goblet cell carcinoid ? aggressive Typical Goblet cell carcinoid Mucinous adenocarcinoma ex goblet cell carcinoid Adenocarcinoid Goblet cell adeno carcinoid Carcinoid tumour, signet ring variant, high proliferation index(grade 3) Neuroendocrine tumour/adenocarcinoid NEUROENDOCRINE CARCINOMA GRADE 3 Adenocarcinoma ex Goblet Cell Carcinoid, signet-ring type Signet ring carcinoid Goblet cell/mucinous carcinoid Signet ring cell carcinoma ex goblet cell carcinoid Adeno-carcinoid/Adenocarcinoma ex goblet cell carcinoid Goblet cell carcinoid/adenocarcinoid Goblet cell carcinoid of appendix Adenoneuroendocrine Carcinoma ADENOCARCINOMA EX-GOBLLET CELL CARCINOID (SIGNET RING CELL TYPE) TYPE B</p>	<p>Adenocarcinoma ex Goblet cell carcinoid ADENOCARCINOMA EX GOBLLET CELL CARCINOID (SIGNET RING CELL TYPE) TYPE B Signet ring adenocarcinoma ex goblet cell carcinoid Goblet cell carcinoid (neuroendocrine tumour) Carcinoid Mixed adenoneuroendocrine carcinoma (MANEC) Adenocarcinoma ex GCC, signet ring type (G3) Adenocarcinoma ex-goblet cell carcinoid Mixed adenoneuroendocrine carcinoma/goblet cell adenocarcinoma Signet Ring Carcinoid Goblet cell carcinoid G3 = Goblet cell neuroendocrine carcinoma Carcinoid tumour Adenocarcinoma ex goblet cell carcinoid, signet-ring type, Tang B Schwannoma (Gastro-intestinal) Mucosal ganglioneuroma Signet ring adenoneuroendocrine carcinoma Goblet cell carcinoid tumour involving serosa Ganglioneuroma Goblet cell carcinoid (mixed adenoneuroendocrine carcinoma – MANEC) G3 NET vs adenocarcinoma-ex goblet cell carcinoid Goblet cell carcinoid/ Neuroendocrine tumour</p>
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Adenocarcinoid High grade neuroendocrine carcinoma Adenocarcinoma with neuroendocrine diffdrentiation Mucinous adenocarcinoma arising from goblet cell carcinoid Goblet Cell carcinoid , Grade 3	<u>Goblet cell carcinoid</u> , invading into the periappendiceal fat. pT3 Mixed adeno-neuroendocrine carcinoma (MANEC), subtype: goblet cell carcinoid Grade 3 Adenocarcinoma ex GCC, signet ring-type
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Reported Diagnosis: Adenocarcinoma-ex goblet cell carcinoid, signet
ring cell type. pT4.

EDUCATIONAL CASE

Case Number: 742

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Diagnostic category: Educational

Clinical : F53. Polyp in sigmoid colon snared.

Specimen : GI

Macro : Brown polyp 12mm maximum diameter.

S100 positive

CD117, DOG1, SMA, EMA, CD34 = negative

Schwannoma	Inflammatory pseudopolyp
Polypoid Schwannoma	Ganglioneuroma
Mucosal neuroma	Colonic schwannoma
Neurofibroma	Neural GIST
Schwannoma of sigmoid colon	Submucosa Schwannoma
Nerve sheath tumour	Benign neural proliferation favour
Colonic Schwannoma.	neurofibroma
Spindle cell melanoma	Intestinal Schwannoma
Schwannoma (NF/ GFAP/ EMA to exclude	GIST
neurofibroma)	Neurofibroma of the colon
Plexiform neurofibroma	Neuroma (schwannian appearance)
Mucosal Schwann cell hamartoma	Schwannoma with ancient features
Schwannoma / Schwann cell hamartoma	Benign nerve sheath tumour – Schwannoma
Neural lesion	Neural tumour-?schwannoma
Colonic Schwannoma	Benign schwannoma of colon
Ganglioneuroma. Please investigate for	Schwann Cell Hamartoma
MEN2.	Inflammatory Fibroid Polyp
Benign neural tumour	Eosinophilic fibroid polyp
Benign mucosal peripheral nerve sheath	Melanoma
tumour	PECOMA
GANGLIONEUROMA	Schwannoma of colon
Intramural neurofibroma	Ganglioneuroma??
spindle cell melanoma ?Melan A, HMB45, ?	Benign mesenchymal tumour, neurofibroma
any past history	or schwannoma
MPNST	Benign neural tumour
GANT	favouring?neurofibroma.
Submucosal spindle cell lesion with	Benign neural tumour ?Schwannoma
eosinophils	Benign Schwann cell tumour/hamartoma
DD	Colonic schwannoma.
Inflammatory fibroid polyp	
Submucosal schwann cell	Schwannoma /Mucosal Schwann cell
hamartoma/Schwannoma	“Hamartoma”
PERIPHERAL NERVE SHEATH TUMOUR/	Mucosal Schwann cell hamartoma/ (
SCHWANOMMA	previously named neurofibroma)
Benign tumour of nerve sheath	

<p>origin(Schwannoma) of sigmoid Schwann cell hamartoma submucosal schwannoma Gastrointestinal autonomic nerve tumour (GANT) Benign Nerve Sheath Tumour Plexiform neurofibroma (in neurofibromatosis) Peripheral nerve sheath tumour</p>	<p>Inflammatory Fibroid Polyp Ganglion cell-poor ganglioneuroma Mucosal Schwann cell hamartoma</p>
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Reported Diagnosis: Benign peripheral nerve sheath tumour - schwannoma (neurilemmoma).