

# South East England General Histopathology EQA Scheme



7808

## Round g Final Case Analyses

Cases 707 to 718

Circulated  
January – February 2018  
135 responses (85.44%)

Prepared April 2018

Authorised by:

Prof J Schofield

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With thanks to those who contributed to this round:

Trust	CPA/ISO accreditation number
Queen Victoria Hospital NHS Foundation Trust	8238
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Guys and St Thomas' NHS Foundation Trust	9323
Frimley Park Hospital NHS Foundation Trust	7496
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King's College Hospital NHS Foundation Trust	1873
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**Case Number: 708**

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**Diagnostic category:** Respiratory

**Clinical** : F46. Left nasal septum polyp (antero-superior)

**Specimen** : Nasal polyp

**Macro** : One piece of tan polypoid tissue measuring 16 x 15 x 5mm. Sectioned and all processed in two cassettes. Immuno: Positive for S100, CK14, CK7 and GFAP. Staining with p63, calponin and SMA highlights basal cells and myoepithelial cells. Staining with EMA and CEA highlights some ductal structures.

	<b>Final Merges</b>	<b>Score</b>
1	not answered	0.08
2	Glomangioma	0.08
3	Epithelial / myoepithelial tumour (malignant)	0.57
4	Epithelial / myoepithelial tumour / pleomorphic adenoma	8.89
5	Nasal glial heterotopia	0.08
6	Respiratory epithelial adenomatoid hamartoma	0.30

**Most popular diagnosis:** Epithelial / myoepithelial tumour / pleomorphic adenoma

**Reported Diagnosis:** Consistent with a pleomorphic adenoma

**Case Number: 709**

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**Diagnostic category:** Lymphoreticular

**Clinical** : M25. Left inguinal LN enlargement

**Specimen** : Left inguinal LN

**Macro** : Lymph node 35mm maximum diameter. *Immuno*: CD3 & CD20 - Normal distribution. Germinal centres express CD10 & bcl6 but not bcl2. CD23 highlights FDC networks. Ki67 is low outside germinal centres.

	<b>Final Merges</b>	<b>Score</b>
1	Reactive follicular/ lymphoid hyperplasia/PTGC	8.58
2	HIV/ ? HIV / rule out HIV related lymphadenopathy	0.86
3	Castleman's	0.08
4	Follicular Lymphoma	0.48

**Most popular diagnosis:** Reactive follicular/ lymphoid hyperplasia/PTGC

**Reported Diagnosis:** Follicular Hyperplasia

**Case Number: 710**

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**Diagnostic category:** Skin

**Clinical** : F100. Cyst on scalp

**Specimen** : Skin

**Macro** : Ellipse of skin 25 x 20 x 24 including a 15mm 'cyst'

	<b>Final Merges</b>	<b>Score</b>
1	<b>Cylindroma</b>	<b>9.54</b>
2	<b>Adenoid cystic carcinoma</b>	<b>0.38</b>
3	<b>Trichoepithelioma</b>	<b>0.08</b>

**Most popular diagnosis:** Cylindroma

**Reported Diagnosis:** Benign cylindroma

**Case Number: 711**

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**Diagnostic category:** Endocrine

**Clinical** : F55. Diagnostic left hemi-thyroidectomy – U4 Thy 1

**Specimen** : Diagnostic left hemi-thyroidectomy

**Macro** : A thyroid lobe weighing 4g and measuring 41 x 25 x 14mm. At the mid portion of the lobe, there is a firm white nodule measuring 20 x 14 x 8mm. The nodule appears un-encapsulated and has irregular borders. It abuts the inked margin. Approximately 7mm away from the main nodule, a smaller white nodule is also identified measuring 2x2x2mm. This nodule is located towards the lower pole of the thyroid lobe. (Submitted section is from the larger nodule). ZN and DPAS stains are negative.

	<b>Final Merges</b>	<b>Score</b>
1	Palpation thyroiditis	0.29
2	Riedel's	0.14
3	de Quervain's granulomatous thyroiditis	9.48
4	Juvenile fibroadenoma	0.08
5	Sarcoidosis	0.01

**Most popular diagnosis:** de Quervain's granulomatous thyroiditis

**Reported Diagnosis:** Subacute granulomatous thyroiditis (de Quervain's thyroiditis)

**Case Number: 712**

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**Diagnostic category:** Breast

**Clinical** : F17. Enlarging fibroadenoma left breast, exclude phylloides.

**Specimen** : Breast

**Macro** : Circumscribed tumour 55 x 45mm

	<b>Final Merges</b>	<b>Score</b>
1	<b>Tubular adenoma</b>	<b>0.87</b>
2	<b>Other benign lesion</b>	<b>0.02</b>
3	<b>(Juvenile) Giant Fibroadenoma</b>	<b>8.93</b>
4	<b>Hamartoma</b>	<b>0.08</b>
5	<b>Benign Phyllodes tumour</b>	<b>0.02</b>
6	<b>Lactating adenoma</b>	<b>0.08</b>

**Most popular diagnosis:** (Juvenile) Giant Fibroadenoma

**Reported Diagnosis:** Giant fibroadenoma

**Case Number: 713**

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**Diagnostic category:** GU

**Clinical** : M33. Renal failure. Visible haematuria, lesion bladder (posterior)

**Specimen** : Bladder biopsy

**Macro** : Small nodule of mucosa, measuring 5 x 3 x 2mm with attached ribbon of mucosa measuring 15 x 1 x 1mm.

	<b>Final Merges</b>	<b>Score</b>
1	<b>Nephrogenic metaplasia / adenoma</b>	<b>9.13</b>
2	<b>Radiation cystitis</b>	<b>0.08</b>
3	<b>Inverted papilloma</b>	<b>0.23</b>
4	<b>Papillary cystitis and cystitis cystica</b>	<b>0.10</b>
5	<b>Polypoid cystitis</b>	<b>0.34</b>
6	<b>Urothelial carcinoma</b>	<b>0.08</b>
7	<b>Papillary urothelial hyperplasia</b>	<b>0.04</b>

**Most popular diagnosis:** Nephrogenic metaplasia / adenoma

**Reported Diagnosis:** Nephrogenic metaplasia / adenoma



**Case Number: 714**

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**Diagnostic category: GI**

**Clinical** : F56. Sessile polyp distal descending colon

**Specimen** : Colonic polyp

**Macro** : Smooth tan piece of tissue 13mm

	<b>Final Merges</b>	<b>Score</b>
1	adenocarcinoma	9.82
2	Low & high grade dysplasia	0.07
3	tubulovillous adenoma with high grade dysplasia	0.07
4	HGD and intramucosal adenocarcinoma	0.04

**Most popular diagnosis:** Adenocarcinoma

**Reported Diagnosis:** Moderately differentiated adenocarcinoma (pT1)

**Case Number: 715**

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**Diagnostic category:** Gynae

**Clinical** : F63. PMB. Thickened endometrium. Bilateral ovarian cysts

**Specimen** : Ovary

**Macro** : 2 x cystic ovaries, 50 and 60 mm respectively

	<b>Final Merges</b>	<b>Score</b>
1	<b>Struma Ovarii</b>	<b>9.54</b>
2	<b>Papillary carcinoma arising in a Struma Ovarii</b>	<b>0.23</b>
3	<b>Struma Ovarii and carcinoid</b>	<b>0.15</b>
4	<b>Adult granulosa cell tumour</b>	<b>0.08</b>

**Most popular diagnosis:** Struma Ovarii

**Reported Diagnosis:** Bilateral ovarian Teratoma (Struma Ovarii)

**Case Number: 716**

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**Diagnostic category:** Skin

**Clinical** : M39. Olecranon bursitis. Excisional biopsy

**Specimen** : Skin & soft tissue

**Macro** : Un-orientated ellipse of skin 55 x 10mm plus underlying fibro-fatty tissue 60 x 45 x 22mm. On slicing, friable chalky, cream coloured cut surface.

	<b>Final Merges</b>	<b>Score</b>
<b>1</b>	<b>Gout</b>	<b>9.92</b>
<b>2</b>	<b>Rheumatoid nodule</b>	<b>0.08</b>

**Most popular diagnosis:** Gout

**Reported Diagnosis:** Gouty tophus

## EDUCATIONAL CASE

**Case Number: 717**

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**Diagnostic category:** Educational

**Clinical** : M55. Small bowel obstruction, peritonitis

**Specimen** : Ileo-colonic resection

**Macro** : One of two subserosally based tumours. This section from terminal ileum.

**Immuno:** Positive: SMA, Vimentin, Beta-Catenin (nuclear). Negative: CD117, Bcl2, CD34, MNF116, Desmin, EMA, SMA, p63, ALK-1. MIB=5%

Fibromatosis Desmoid fibromatosis Endometriosis Deep fibromatosis Sclerosing peritonitis Desmoid tumour Desmoplastic tumour Mesenchymal tumour of unknown malignant potential SBF GIST Myofibroblastic proliferation Reactive nodular fibrous pseudo tumour Inflammatory pseudotumour	
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**Reported Diagnosis:** Desmoid Fibromatosis (Desmoid tumour) x 2

## EDUCATIONAL CASE

**Case Number: 718**

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**Diagnostic category:** Educational

**Clinical** : F65. Postmenopausal bleeding. Left ovarian cyst. Had TAH BSO. Incidental right ovarian mass at cut up.

**Specimen** : Right ovary

**Macro** : TAH BSO. The right ovary measures 35 x 25 x 25mm. On slicing, in addition to a corpus luteum which measures 8mm, there is surrounding yellow nodularity which measures approx. 20 x 18 x 15mm. **Immuno**: The yellow nodule is positive for Calretinin, CD56 and Inhibin; negative for CAM5.2, MNF116, CK7, EMA, Desmin, SMA and S100. Reticulin stain shows only few intercellular reticulin fibrils. The left ovarian cyst is a dermoid cyst

<p>Granulosa cell tumour Moderately active cellular fibroma Cellular leiomyoma Sex cord stromal tumour Fibrothecomatous tumour of ovary Fibrothecoma with Brenner tumour Granular cell tumour Granulosa cell tumour &amp; concurrent Brenner Fibrosarcoma Adult granulosa cell tumour Struma Ovarii Sarcomatoid granulosa cell tumour Small cell carcinoma Sclerosing stromal tumour Thecoma Juvenile granulosa cell tumour Cellular fibroma Hypercalcaemic type SCC Malignant sex cord stromal tumour Stromal tumour Sex cord stromal tumour with luteoma Brenner tumour &amp; Sertoli-Leydig cell tumour Luteinized thecoma with sclerosing peritonitis</p>	
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**Reported Diagnosis:** Adult granulosa cell tumour and Brenner tumour