

How to Survive FRCPath Part 2

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Consultant Haematopathologist & Honorary Senior Clinical Lecturer ♦ HMDS Leeds

Mentor, International Trainee Support Scheme ♦ RCPATH



Exam anxiety is **normal** !

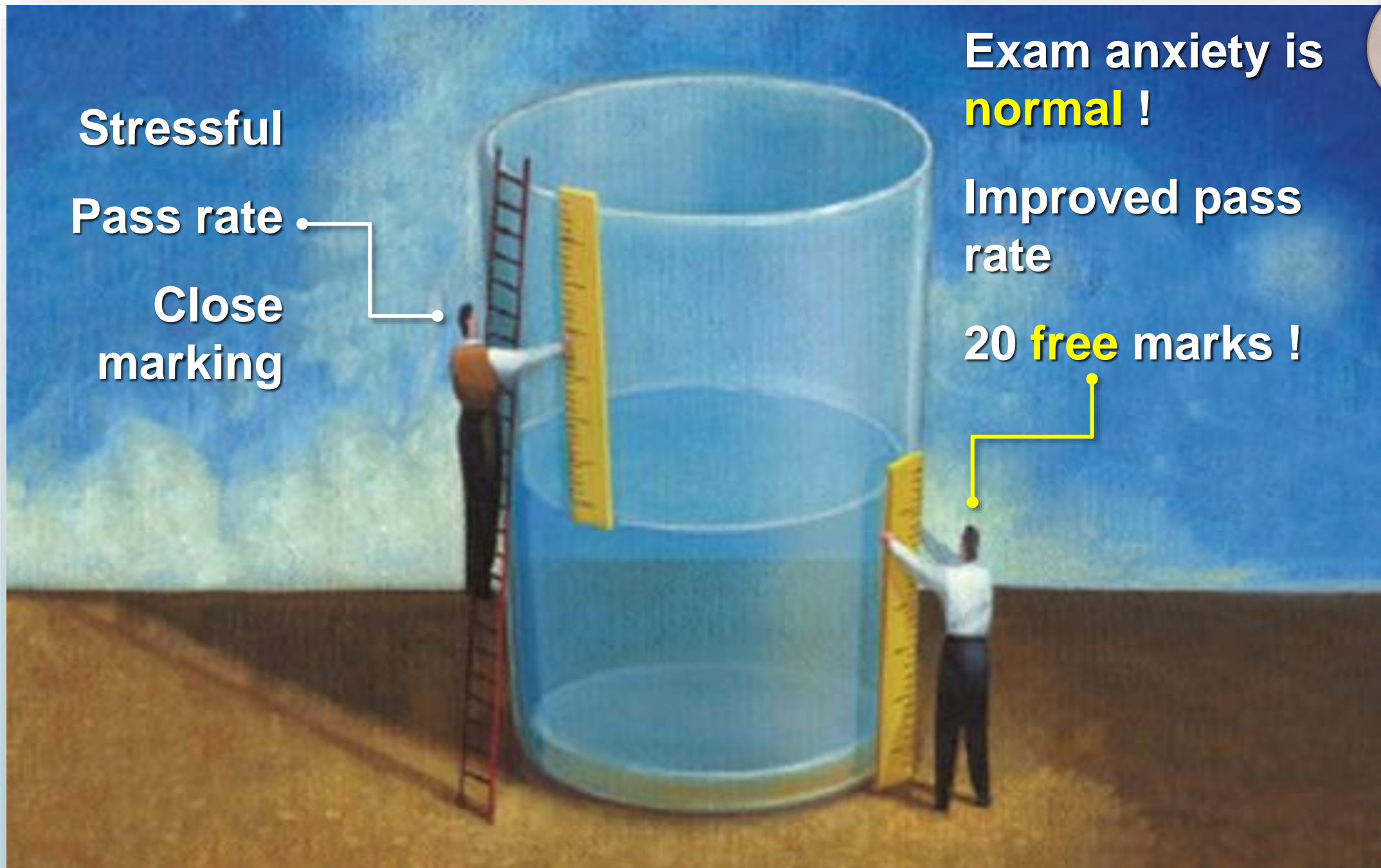
Improved pass rate

20 **free** marks !

Stressful

Pass rate

Close marking





Knowledgeable

Practical experience, reading and courses

Competent

Confident and quick

Safe

Avoid serious diagnostic errors

Exam Format



Tuesday

Non-gyn Cytopathology:

8 cases: 20 min/ pair

Long Cases:

4 cases (H&E, SHC, IHC, IF, EM, FISH):
20 min/ case

Frozen Sections:

6 cases (H&E): 20 min/ station of 3 cases
Followed by 20 min viva station

OSPE 1:

Face-to-face viva: 20 min

Wednesday

Surgical Histology:

20 cases (H&E): 20 min/ pair

Macroscopic Pathology:

4 cases (photographs): 20 min/ pair
Followed by 20 min viva station

OSPE 2:

Written exercise: 20 min

Tips for Surgical Short Cases



Close Marking System

Clear
Fail
↓
1-1.5



Borderline
Fail
↓
2



Correct
Answer
↓
2.5



Additional
marks
↓
3



Awesome
Answer
↓
3.5



10 Sets of 2 Cases



Lucky **50**/100



Home and Dry **53**/100

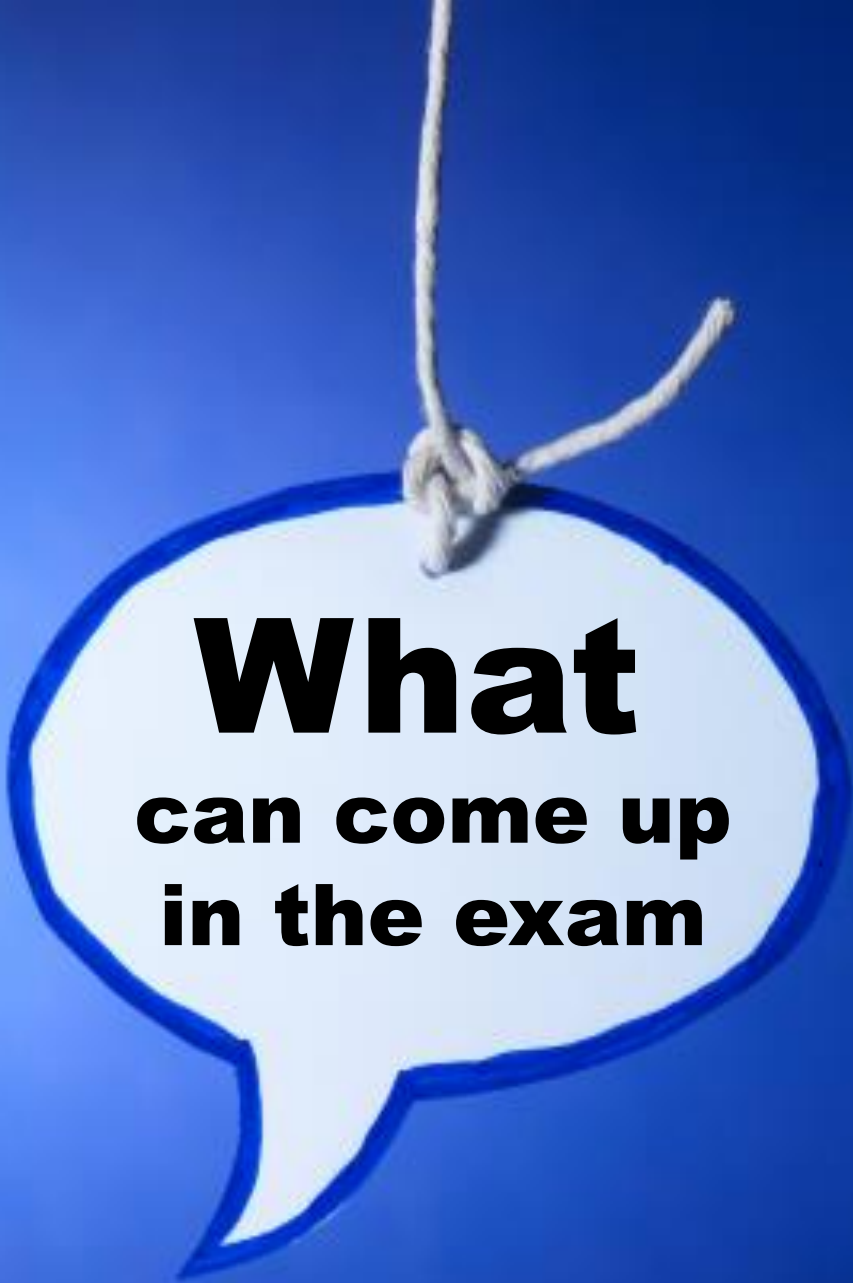


Fight for Every Mark **59/100**





How
to craft a
good report



What
can come up
in the exam



Lauren V. Ackerman
1905 - 1993

Seminars in Diagnostic Pathology

VOL 20, NO 4

NOVEMBER 2003

Introduction

Dr. Lauren V. Ackerman and His Man From Istanbul

IT IS A WELL KNOWN fact that the act of recognition is greatly facilitated if the object to be recognized is in the expected surroundings. To drive the point home with a graphic example, I think most readers will agree that they are more likely to recognize Zubin Mehta on a podium holding a baton in front of an orchestra than if he is driving a Ferrari along the French Riviera or bowling in Des Moines, Iowa. Every experienced pathologist knows that this is also true in our profession. A lesion that would have represented a case of "instant pattern recognition" if located in its natural habitat (such as an endometrial stromal sarcoma in the wall of the uterus) may be hard to recognize if found as a solitary nodule in the lung and next to impossible if presenting initially as a mass in the deep soft tissues of the forearm, as I saw recently. In cases of this sort, the failure of recognition stems primarily from not having thought of the possibility. Dr. Lauren V. Ackerman, one of the most astute surgical pathologists of all time, used to say that a useful contribution of computers to

personally. In any event, my recollection of the tale is something like this:

"There was this man by the name of John who lived in an apartment in New York City. Each morning, as he opened the door of his apartment to go to work, he found himself facing the man living in the apartment in front of his, who went to work at exactly the same time. Day after day, for decades, he would say "Good morning, Fred," hear the reply "Good morning, John," and go to his business. Until, one day, John was given an assignment in Istanbul. This was his first trip overseas and he was very excited. The trip was uneventful, he checked in his hotel, and went quickly to bed. The next morning he got up for his appointment. He opened the door of his room and he found himself facing Fred, who had just opened the door of the room across from his. Perhaps something in John's subconscious told him that this was his old friend Fred again, as he had seen him every morning for all those years, but his conscious





The Man of Istanbul The Usual Suspects

Signet ring adenocarcinoma

Renal cell carcinoma

Papillary thyroid carcinoma

Langerhans cell histiocytosis

Endometriosis

Amyloid

Granulomatous inflammation

~~Adenoid cystic carcinoma~~

~~Metastatic melanoma~~



Melanocytic lesions

Melanoma

Reed naevus

Spitz naevus

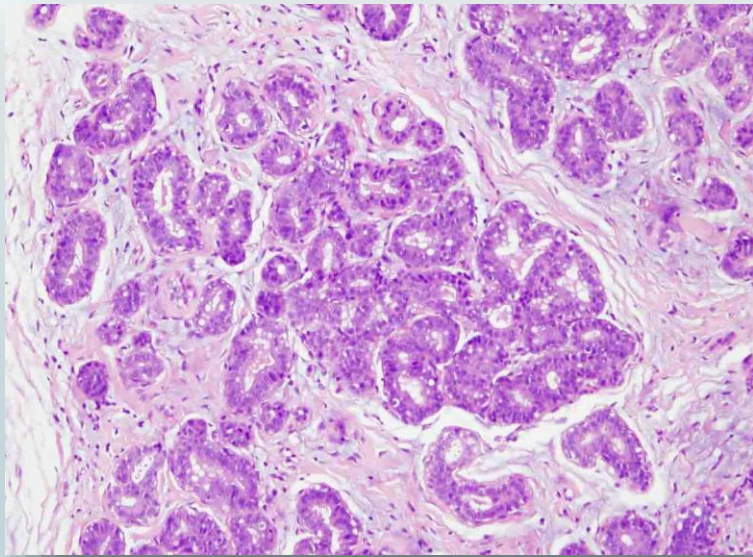
Non-melanocytic

Adnexal tumours

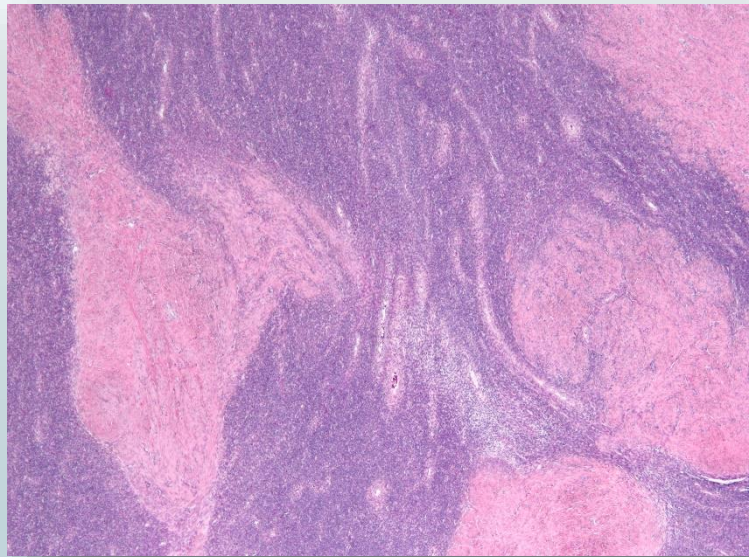
Inflammatory

Infections

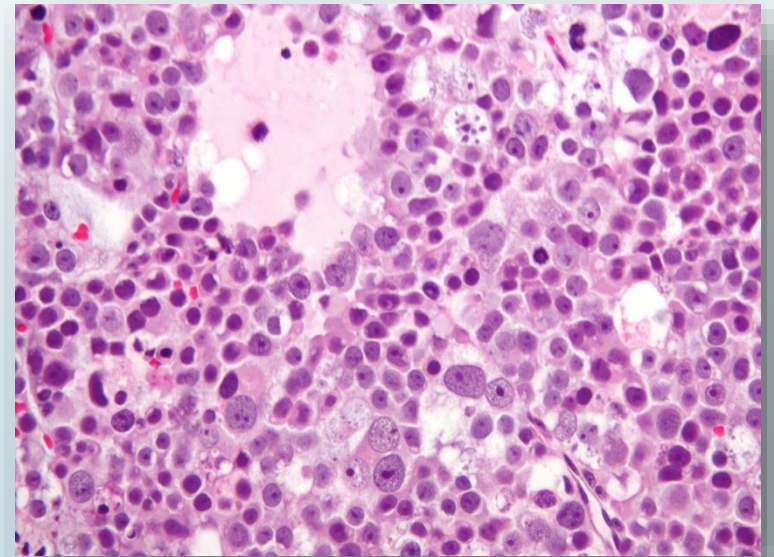
Breast



Gynaecological



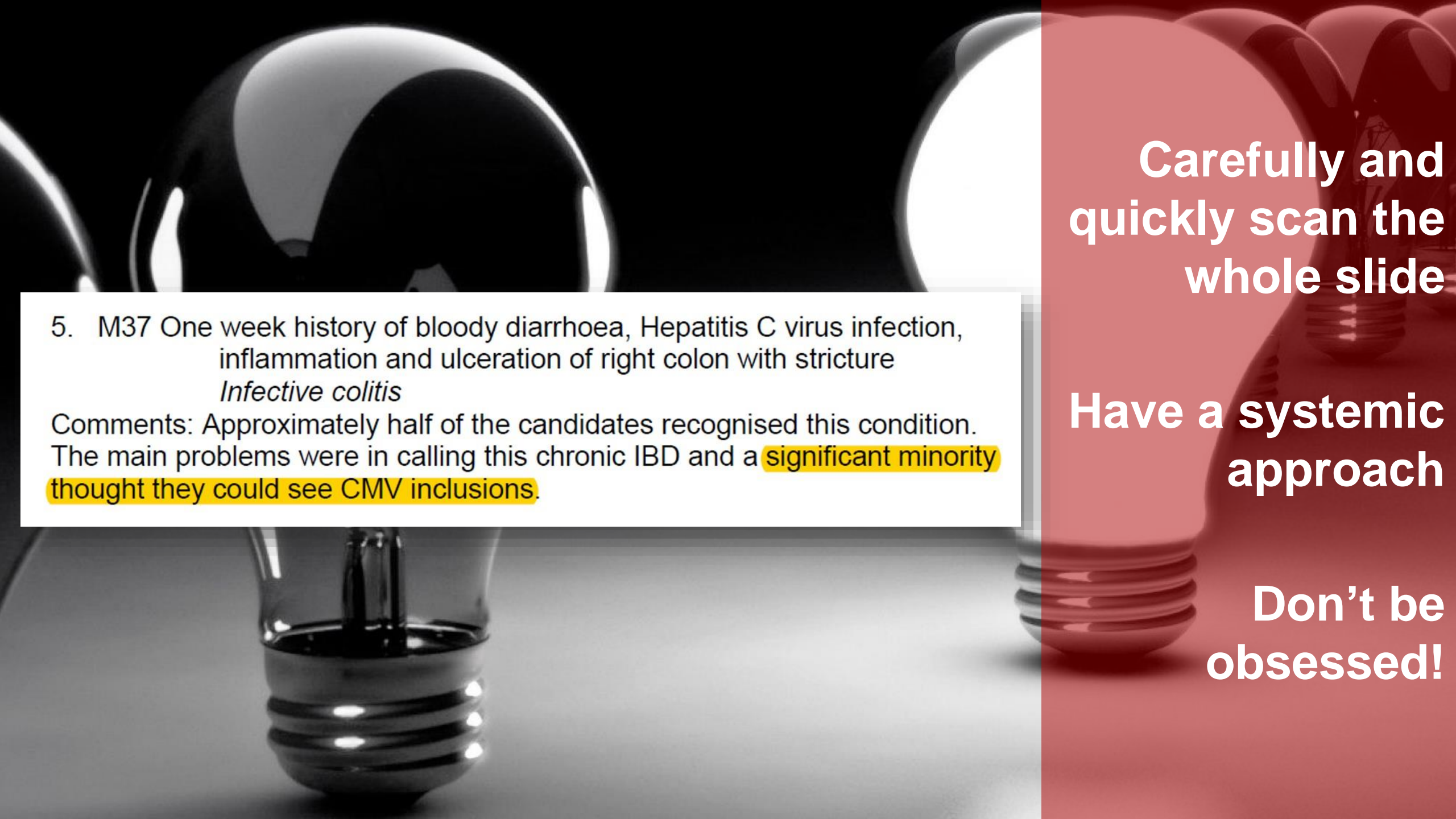
Urology





Dual Pathology

2019 S	Endometrial polyp + leiomyoma
2019 S	Anal condyloma + AIN + SCC
2018 A	Reactive hyperplasia + Infectious mononucleosis
2018 A	Hashimoto thyroiditis + Hurthle cell nodule
2018 S	Radiation enteritis + adenoma
2017 A	Mesothelioma + talc reaction
2017 A	CIN + condyloma in cervix
2016 A	CIN3 + high grade CGIN
2016 A	Nephrogenic metaplasia + post-operative spindle cell nodule
2016 A	Low grade appendiceal mucinous neoplasm + well differentiated NET
2016 S	Pneumocystis carinii/ jiroveci pneumonia + lymphoma
2015 S	Endometrial polyp + metastatic lobular breast CA
2015 S	Silicone lymphadenitis + metastatic breast CA
2014 A	Endometrioid CA + extrauterine fatty tissue
2013 A	Pleomorphic adenoma + salivary duct type CA
2013 A	CIN2 + CGIN
2013 A	B3 papillary + lesion LCIS
2012 A	Leiomyoma + placental site reaction
2009 S	B3 radial scar + fibroadeoma + FCC
2009 S	Intraductal papilloma + IDC



5. M37 One week history of bloody diarrhoea, Hepatitis C virus infection, inflammation and ulceration of right colon with stricture

Infective colitis

Comments: Approximately half of the candidates recognised this condition. The main problems were in calling this chronic IBD and a **significant minority thought they could see CMV inclusions.**

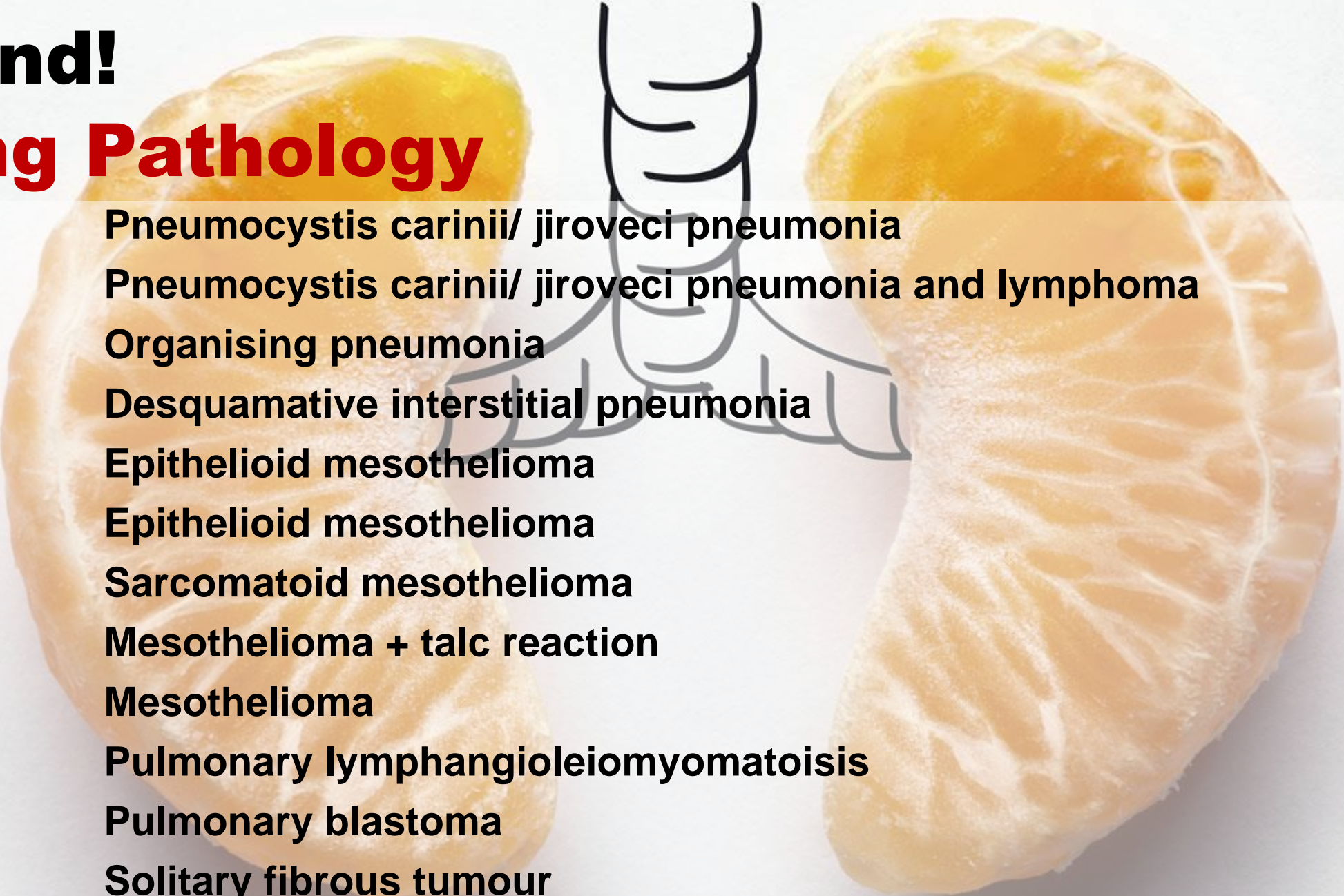
**Carefully and
quickly scan the
whole slide**

**Have a systemic
approach**

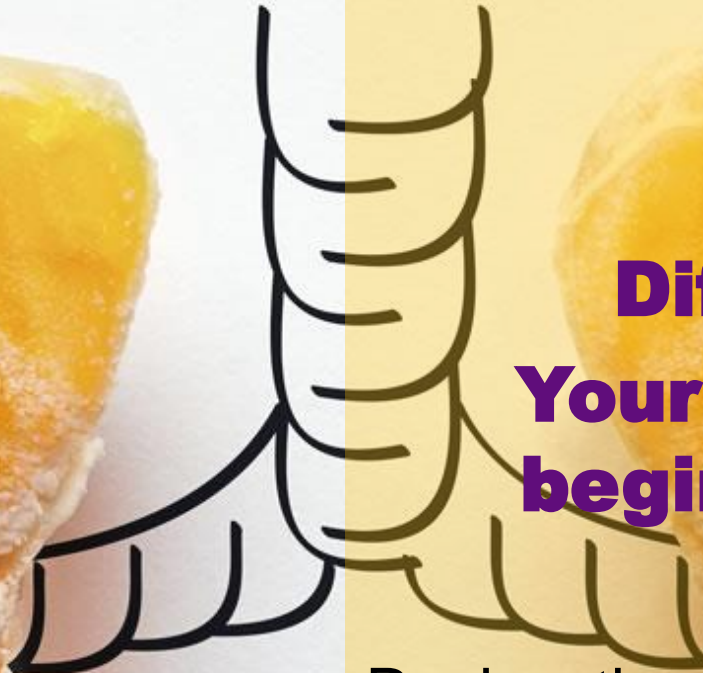
**Don't be
obsessed!**

Trend!

Lung Pathology



2014 A	Pneumocystis carinii/ jiroveci pneumonia
2016 S	Pneumocystis carinii/ jiroveci pneumonia and lymphoma
2014 A	Organising pneumonia
2015 S	Desquamative interstitial pneumonia
2014 A	Epithelioid mesothelioma
2016 A	Epithelioid mesothelioma
2015 A	Sarcomatoid mesothelioma
2017 A	Mesothelioma + talc reaction
2019 S	Mesothelioma
2016 A	Pulmonary lymphangioleiomyomatosis
2013 A	Pulmonary blastoma
2015 S	Solitary fibrous tumour
2018 A	Lymphangitis carcinomatosa



Trends!

**Difficult to predict.
Your exam might be the
beginning of a new era!**

Review the entities in the list provided BY
SPECIALTY

- For each specific diagnosis, try to cover the broad category in your preparation:
- e.g. for desquamative interstitial pneumonia, read about interstitial lung diseases

Previous Exams

Excel interface showing a spreadsheet titled "EoE FRCPath Course_Primer for FRCPath Part 2 Short Qs Index_Hebah Ali - Excel". The spreadsheet displays a list of exam questions categorized by specialty, organ, diagnosis, and year.

	A	B	C	D	E	F
1	Part 2 Short Cases Index					
2	specialty	organ	diagnosis	year	هبة	
3	Breast	Core	B2 FCC	2011 A		
4	Breast	Core	B2 FCC + CCC + B9 Ca2+	2012 S		
5	Breast	Core	B2 Fat necrosis	2014 A		
6	Breast	Core	B2 FA with epithelial hyperplasia	2016 S		
7	Breast	Core	B3 RS	2001 A		
8	Breast	Core	B3 RS + FA + FCC	2009 S		
9	Breast	Core	B3 ADH	2009 A		
10	Breast	Core	B3 ADH	2010 S		
11	Breast	Core	B3 Apocrine adenosis with atypia	2013 S		
12	Breast	Core	B3 Cellular fibroepithelial lesion	2015 A		
13	Breast	Core	B3 CC FEA	2010 S		
14	Breast	Core	B3 LCIS + papillary lesion	2013 A		
15	Breast	Core	B5 DCIS + microinvasion	2001 A		
16	Breast	Core	B5 DCIS + IDC	2011 S		
17	Breast	Core	Plasmacytoma	2015 A		
18	Breast	WLE	Intraductal papilloma	2016 S		
19	Breast	WLE	Radial scar	2007		
20	Breast	WLE	IDC	2011 A		
21	Breast	WLE	IDC + ILC	2010 A		
22	Breast	Mastectomy	Hypersecretory DCIS + IDC	2013 S		
23	Breast	WLE	Secretory CA	2014 S		
24	Breast	WLE	Invasive micropapillary CA	2014 A		
25	Breast	WLE	Adenoid cystic CA	2015 A		
26	Breast	WLE	Encysted papillary CA	2012 S		
27	Breast	WLE	IDC + intraductal papilloma	2009 S		
28	Breast	WLE	Borderline phyllodes tumour	2015 S		

Navigation buttons: Short, +, and a search bar.

**Rare or
New Entities:**

Covered in
preparatory courses

Hopefully!



	A	B	C	D	E
1	Part 2 Short Cases Index				هذه
2	specialty	organ	diagnosis	year	
6	Breast	Core	B2 FA with epithelial hyperplasia	2016 S	
18	Breast	WLE	Intraductal papilloma	2016 S	
45	Cardiothoracic	Lung	LCH	2016 S	
48	Cardiothoracic	Lung	Pneumocystis carinii/ jiroveci pneumonia and lymphoma	2016 S	
94	GIT lower	Bowel	Inflammatory fibroid polyp	2016 S	
106	GIT lower	Colon	Traditional serrated adenoma	2016 S	
123	Pancreas		Chronic pancreatitis	2016 S	
127	Head & Neck	Tongue	Hyperplastic candidiasis	2016 S	
141	Head & Neck	Post nasal space	Nasopharyngeal CA	2016 S	
143	Head & Neck	Neck mass	Paraganglioma	2016 S	
166	Urology	Loin	RCC	2016 S	
189	Urology	Testis	Embryonal CA	2016 S	
195	Gyn	Vulva	Paget's disease	2016 S	
200	Gyn	Cervix	Benign isthmic polyp with pregnancy associated changes	2016 S	
242	Haematopath	LN	Necrotising granulomatous lymphadenitis	2016 S	
260	Soft Tissue	Ankle	Shwannoma	2016 S	
269	Soft Tissue	Omentum	Fat necrosis	2016 S	
299	Derma	Wrist	Lichen planus	2016 S	
313	Derma	Scalp	Proliferating trichilemmal tumour	2016 S	
326	Derma	Scalp	Spindle cell melanoma	2016 S	
343					

	A	B	C	D	E
1	Part 2 Short Cases Index				هذه
2	specialty	organ	diagnosis	year	
6	Breast	Core	B2 FA with epithelial hyperplasia	2016 S	
19	Breast	WLE	Intraductal papilloma	2016 S	
47	Cardiothoracic	Lung	LCH	2016 S	
50	Cardiothoracic	Lung	Pneumocystis carinii/ jiroveci pneumonia + lymphoma	2016 S	
98	GIT lower	Bowel	Inflammatory fibroid polyp	2016 S	
112	GIT lower	Colon	Traditional serrated adenoma	2016 S	
129	Pancreas		Chronic pancreatitis	2016 S	
133	Head & Neck	Tongue	Hyperplastic candidiasis	2016 S	
148	Head & Neck	Post nasal space	Nasopharyngeal CA	2016 S	
151	Head & Neck	Neck mass	Paraganglioma	2016 S	
175	Urology	Loin	RCC	2016 S	
199	Urology	Testis	Embryonal CA	2016 S	
205	Gyn	Vulva	Paget's disease	2016 S	
210	Gyn	Cervix	Benign isthmic polyp with pregnancy associated changes	2016 S	
255	Haematopath	LN	Necrotising granulomatous lymphadenitis	2016 S	
273	Soft Tissue	Ankle	Shwannoma	2016 S	
282	Soft Tissue	Omentum	Fat necrosis	2016 S	
314	Derma	Wrist	Lichen planus	2016 S	
329	Derma	Scalp	Proliferating trichilemmal tumour	2016 S	
343	Derma	Scalp	Spindle cell melanoma	2016 S	
361					

Expected

Previous
Exams

New!

2	specialty ▼	organ ▼	diagnosis ▼	year ▼
29	Breast		Adenoid cystic CA	2019 S
38	Breast		Fibrocystic changs	2019 S
58	Cardiothoracic	Lung	Amyloidosis	2019 S
82	Cardiothoracic	Pleura	Mesothelioma	2019 S
101	GIT upper	Stomach	Lymphocytic gastritis	2019 S
126	GIT lower	Appendix	Well differentiated NET	2019 S
151	GIT lower	Rectum	Mucosal prolapse	2019 S
156	GIT lower	Anus	Condyloma + AIN1 + SCC	2019 S
183	Head & Neck	Nose	Melanoma	2019 S
195	Endocrine	Thyroid	Papillary thyroid carcioma	2019 S
220	Urology	Bladder	Malakoplakia	2019 S
232	Urology	Bladder	Prostatic CA	2019 S
252	Urology	Testis	Diffuse large B-cell lymphoma	2019 S
286	Gyn	Endometrium	Endometrial polyp + atypical leiomyoma	2019 S
300	Gyn	Ovary	Borderline serous tumour	2019 S
302	Gyn	Ovary	Ectopic pregnancy	2019 S
335	Soft Tissue	Mesentery	Leiomyosarcoma	2019 S
346	Soft Tissue	Abdomenal wall	Fibromatosis	2019 S
401	Derma		Xanthelasma	2019 S
402	Derma		Dermatofibroma	2019 S

Expected

Previous
Exams

New!

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2	specialty	organ	diagnosis	year
29	Breast		Adenoid cystic CA	2019 S
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220	Urology	Bladder	Malakoplakia	2019 S
232	Urology	Bladder	Prostatic CA	2019 S
252	Urology	Testis	Diffuse large B-cell lymphoma	2019 S
286	Gyn	Endometrium	Endometrial polyp + atypical leiomyoma	2019 S
300	Gyn	Ovary	Borderline serous tumour	2019 S
302	Gyn	Ovary	Ectopic pregnancy	2019 S
335	Soft Tissue	Mesentery	Leiomyosarcoma	2019 S
346	Soft Tissue	Abdomenal wall	Fibromatosis	2019 S
401	Derma		Xanthelasma	2019 S
402	Derma		Dermatofibroma	2019 S

How to Get the Most Out of this Course?

Make sure you can recognise ALL entities!

- Mark the cases you missed first and second time
- Give more time to specialties you are not familiar with

2.5

Know what to include in your structured reports

- Concise micro with buzz words!
- Typical immuno-profile
- Core items

3

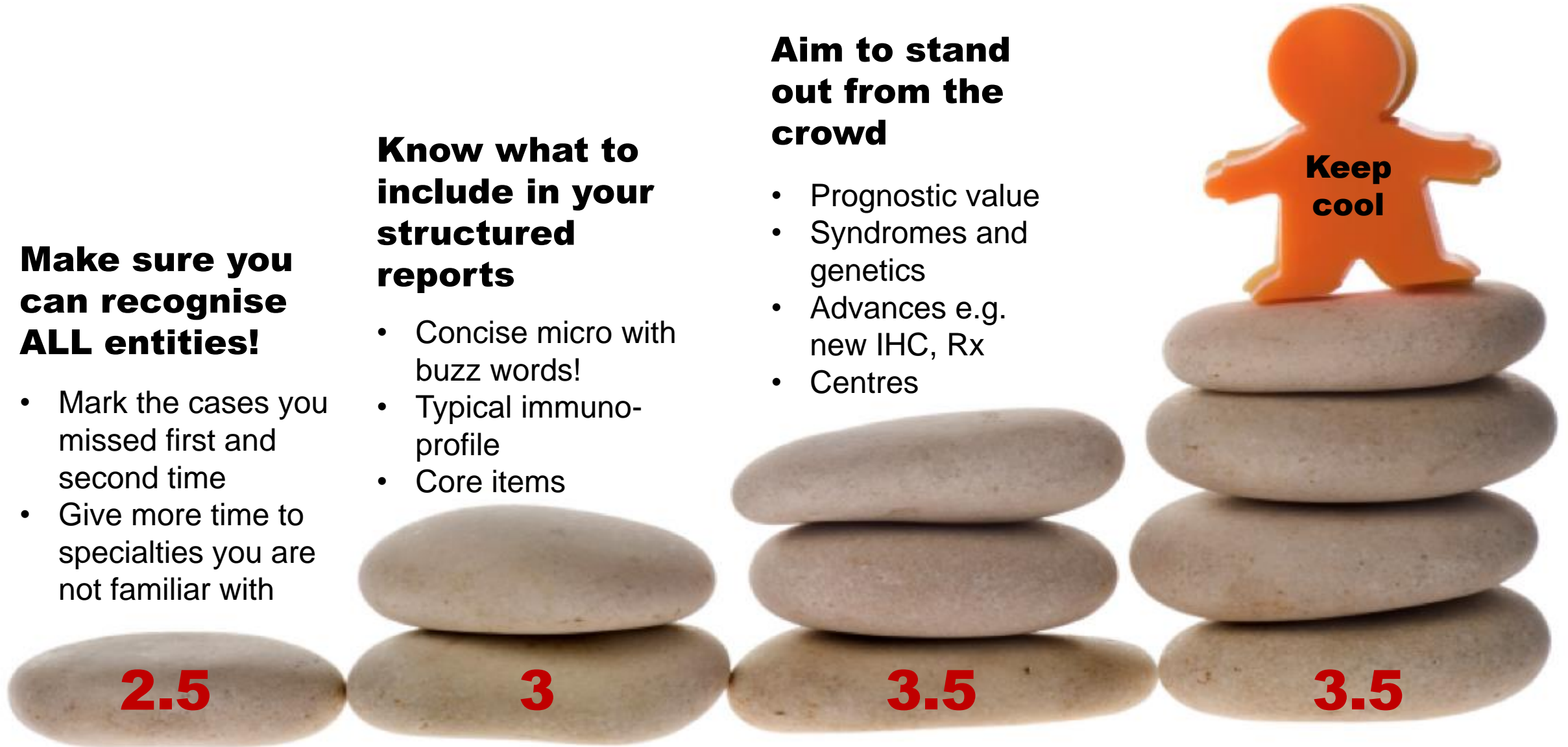
Aim to stand out from the crowd

- Prognostic value
- Syndromes and genetics
- Advances e.g. new IHC, Rx
- Centres

3.5

Keep cool

3.5



A partial view of two students from the waist down, carrying books. The student on the left is wearing a red and white striped shirt and blue jeans, holding three white books. The student on the right is wearing a pink and red patterned shirt and blue jeans, holding two blue books. The background is plain white.

Study Smart!

Save time, effort and money

	CK & EMA	CD45	CD30/ O13	NE Markers ¹	TTF-1	WT1	Desmin	Other
SUBSET of childhood								
Lymphoblastic Lymphoma²	—	+	+	—	—	—	—	TdT+, CD34+ 80% are T cell; CD3+
Rhabdomyosarcoma, solid alveolar type	— (focal +)	— (focal +)	— (focal +)	— (SYN+)	— ³	+	+	Actin+, Desmin+, Myogenin+, MyoD+
Wilms tumor, blastema- predominant	+	—	—	—	+	+	+	
PNET/Ewing sarcoma	— (CD34 + focally)	—	+	+	—	—	—	PAS+
Neuroblastoma	—	—	—	+	—	—	—	
Mesenchymal tumors	—	—	—	+	—	—	—	Variable GFAP
Small cell osteosarcoma	—	—	—	—	—	—	—	Osteocalcin+
SUBSET of adulthood								
Lymphoma	—	+	—	—	—	—	—	B cell: CD20+, CD79a+ T cell: CD3+
Small cell carcinoma	+	—	—	+	+/− ⁴	—	—	
 Merkel cell carcinoma	+	—	—	+	—	—	—	CK20 ⁵ , Neurofilament+, Merkel cell polyomavirus+
Dysmorphic small round cell tumor	—	—	—	—	—	+	+	actin—
Mesenchymal chondrosarcoma	—	—	—	—	—	—	—	Sma+/+, S100+ focally in small blue cell component



Rediffmail users - see our recent blog post by clicking [here](#)



Jobs

Fellowships

Conferences / Webinars

Books

Case of Week

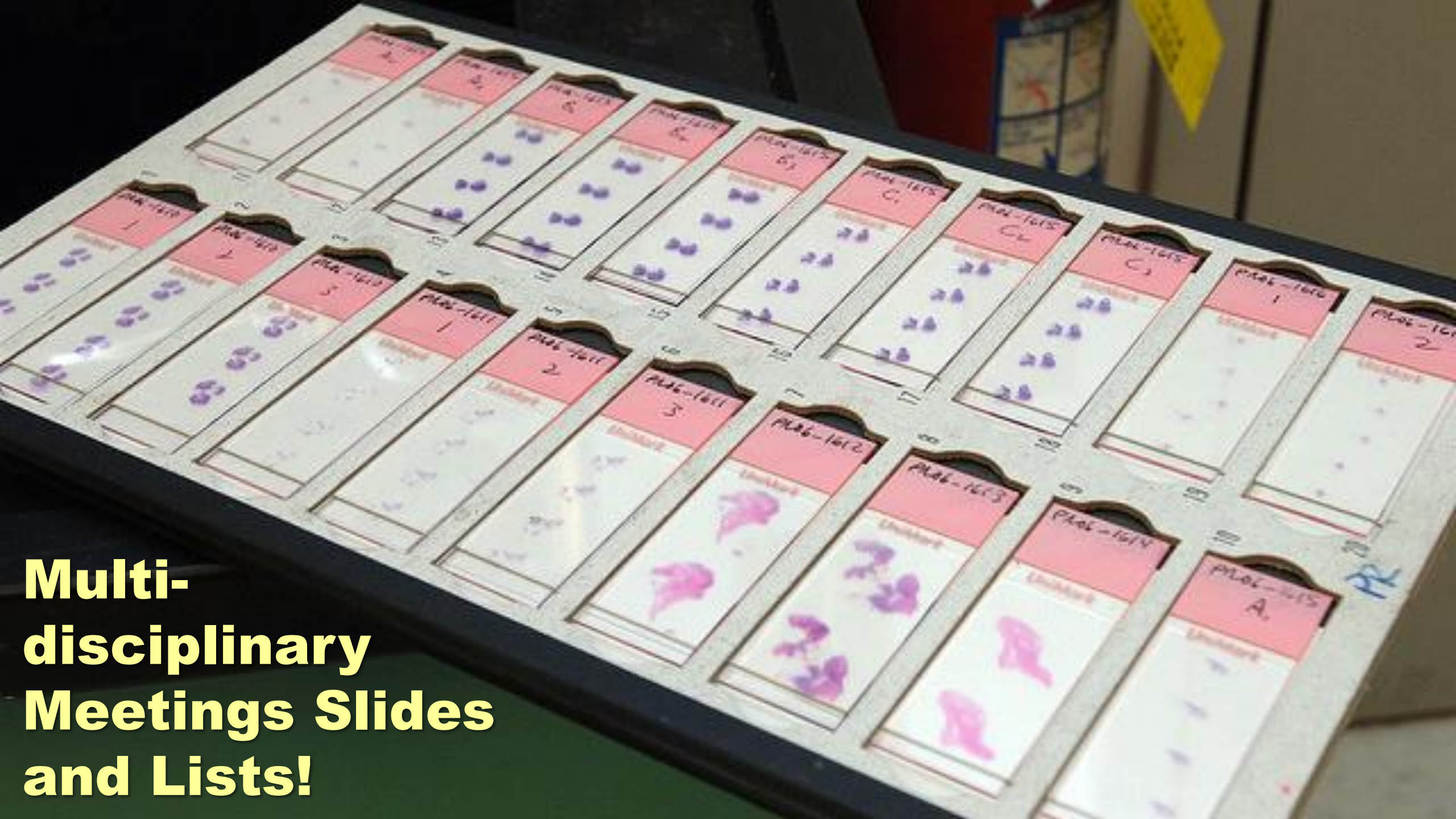
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Pathology Products & Services

Contact Us

TEXTBOOK CHAPTERS

Adrenal gland	Cytopathology	Lung tumor	Prostate gland & seminal vesicles
Ampulla of Vater	Drugs of interest to pathologists	Lymph nodes - not lymphoma	Salivary glands
Anus and perianal area	Ear	Lymphoma & plasma cell neoplasms	Skin non tumor
Appendix	Esophagus	Management of pathology practices	Skin-Melanocytic tumor
Bladder	Eye	Mandible / maxilla	Skin-Nonmelanocytic tumor
Bone	Fallopian tubes	Mediastinum	Small bowel (small intestine)
Bone marrow-nonneoplastic	Forensics	Microbiology	Soft tissue
Breast-nonmalignant	Frozen section	Molecular	Spleen
Breast-malignant, children, males	Gallbladder & extrahepatic bile ducts	Muscle	Stains and molecular markers
CD markers	Heart	Nasal cavity, sinuses & nasopharynx	Stomach
Cervix	Hematology	Oral cavity and oropharynx	Syndromes
Chemistry	Joints	Ovary non tumor	Testis and epididymis
Chromosomes / translocations	Kidney non tumor	Ovary tumor	Thyroid gland
Chronic myeloid neoplasms	Kidney tumor	Pancreas	Trachea
CNS non tumor	Laboratory administration	Parasitology	Transfusion medicine
CNS tumor	Larynx and hypopharynx	Parathyroid gland	Ureters
Coagulation	Leukemia-acute	Pediatric	Urethra
Colon non tumor	Liver & intrahep bile ducts - non tumor	Penis and scrotum	Uterus
Colon tumor	Liver & intrahep bile ducts - tumor	Placenta	Vagina
Computer systems-AP/LIS	Lung non tumor	Pleura	Vulva



Multi-disciplinary Meetings Slides and Lists!

WORDS

HAVE

POWER

Unfortunately we are full booked and already have quite a number of people on the waiting list, so it is very unlikely a place will become available for this years course. However, if you register to go on the waiting list (no cost) then we will have your e-mail and will be able to include you in the early notifications for next years Tutorial.

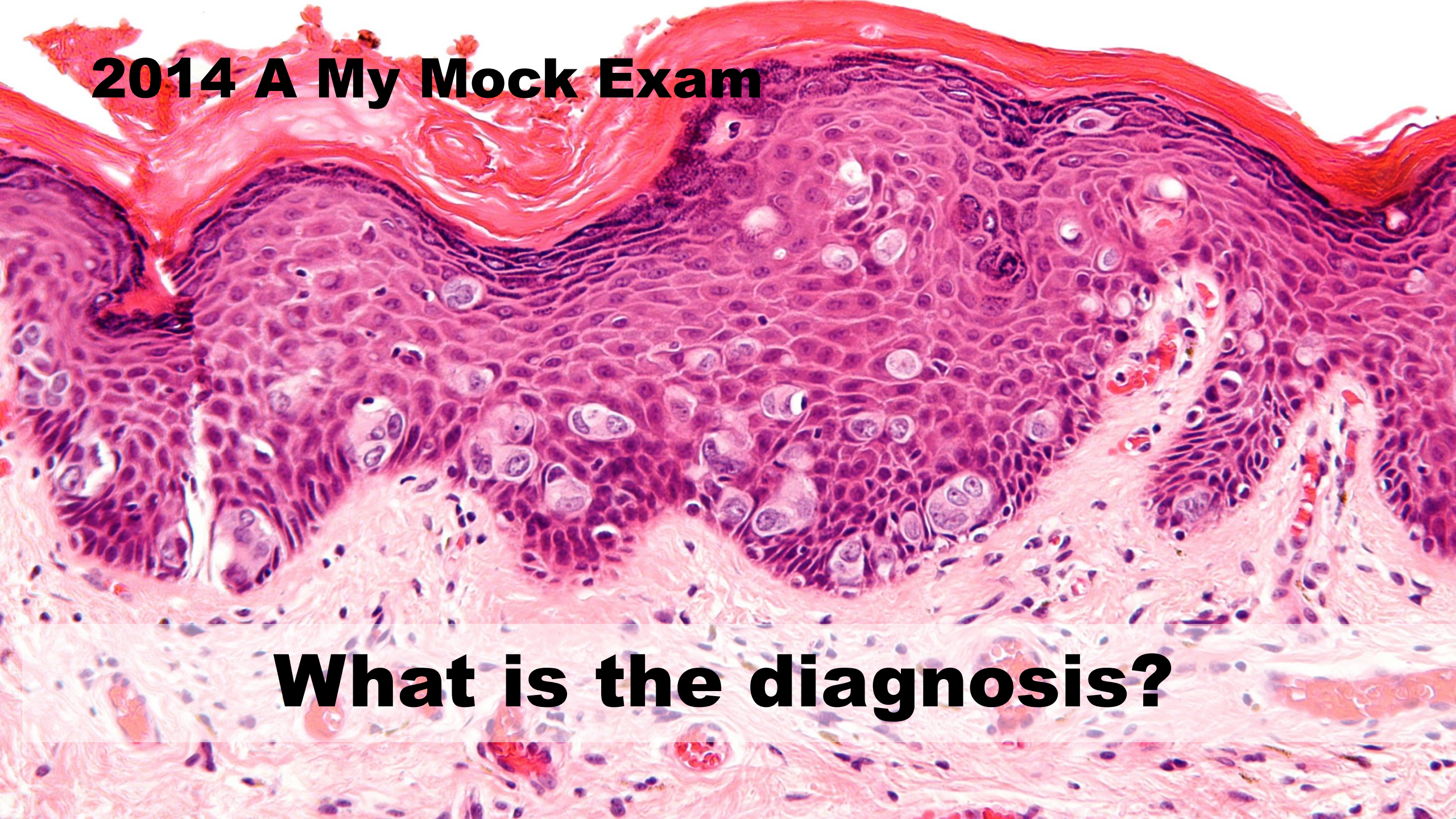
Best wishes

The tutorial is fully booked and we have a waiting list. There are 24 individuals on the waiting list. Additional slots will come available as individuals currently registered cancel. As you will be 25th on the waiting list a space will not come available for you.

Regards

2014 A My Mock Exam

What is the diagnosis?



2014 A My Mock Exam

Gave competent description

Offered differential diagnoses:

Extramammary Paget

Melanoma

Pagetoid Bowen

Pagetoid actinic keratosis

Favored Paget

listed IHC in a nice table

2.5



The Royal College of **Pathologists**

Pathology: the science behind the cure

FRCPath Part 2 in Histopathology Spring 2014

Surgical Pathology Section

Wednesday 9am-12.40pm

You are provided with 2 cases in each 20 minute station, which must be passed on promptly. For each case, you are given a single H&E stained section and brief clinical details.

You should provide a written report **to the requesting clinician** including a description and **diagnosis** incorporating clinical comment.



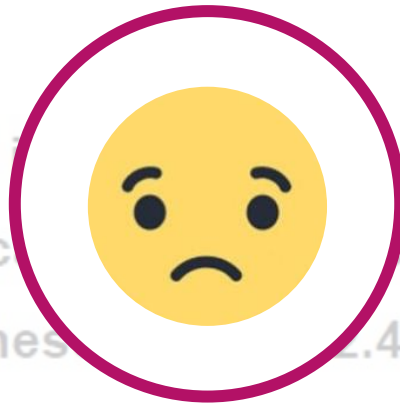
The Royal College of Pathologists
Pathology: the science behind the cure

You are writing to the clinician



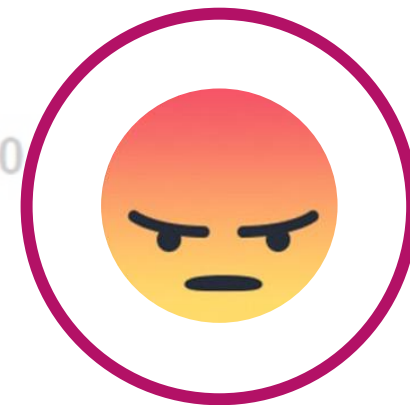
**Confident
diagnosis**

Happy



**Two differential
diagnoses**

Bored



**More than two
differentials**

Upset

You should provide a written report to the requesting clinician including a description and diagnosis incorporating clinical comment.



The exam is an artificial set up No real patients!

Offered DDx &
included correct
answer

Gave confident
diagnosis & listed
other DDx with IHC

Pass mark 2.5

Additional marks

You should provide a written report to the requesting clinician including a description and diagnosis incorporating clinical comment.

2016 S Commentary



This was a straightforward example of extramammary Paget's disease affecting the vulva.

To gain a **pass mark** candidates had to give a competent description of the lesion and make a **confident diagnosis** of extramammary Paget's disease or offer a **differential diagnosis** and an indication of the immunohistochemical stains required to confirm a diagnosis of extramammary Paget's disease.

To **add value** candidates had to indicate the immunohistochemical stains required to prove the diagnosis. Additional marks were given to candidates indicating a deeper knowledge of the role of immunohistochemical staining in distinguishing **between vulval and bladder/ anus origin.**

The case was answered adequately by all candidates and many candidates managed to add significant value to their answers.

2014 A Neuroblastoma, bladder 18 m

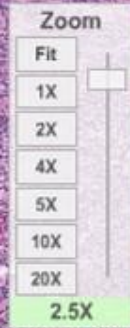
Virtual Pathology at the University of Leeds



Not every case is treated the same

2014 A Neuroblastoma, bladder 18 m

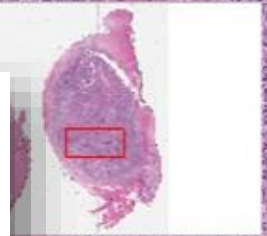
Virtual Pathology at the University of Leeds



Pass marks were given to candidates offering a **sensible differential diagnosis** of paediatric small round cell neoplasms (neuroblastoma, rhabdomyosarcoma, Ewing's tumour, PNET, lymphoblastic lymphoma and Wilm's tumour) and indicating an **awareness of the need for immunohistochemical staining** and specialist referral.

Additional marks were awarded to candidates suggesting appropriate immunohistochemistry (NB84/ PGP 9.5, synaptophysin, chromogranin, CD99, desmin, MyoD1 and CD4) and indicating the need for genetic studies to include investigation of MYCN, and the awareness of the prognostic importance of n-myc oncogene amplification.

Borderline fails were awarded for poor and incomplete lists of differential diagnoses and **confident diagnosis of small round blue cell neoplasms other than neuroblastoma**. Benign diagnoses and confident diagnoses of malignant tumours other than those listed above were regarded as clear fails.





*How Confident
Should I Be?*

How Confident You Should Be

**What does the
clinician already know**



Why is it sampled
Usually the pass mark



**How to be helpful
to clinician**
Additional marks



2014 A 19F Excisional biopsy of darkly coloured mole from left forearm

Pigmented lesion
Could be benign or malignant

Rule out malignancy
Is it melanoma or not?

It is Reed or Spitz
No need for further surgery



FRCPath past examination s

- [Spring 2016](#)
- [Autumn 2015](#)
- [Spring 2015](#)
- [Autumn 2014](#)
- [Spring 2014](#)
- [Autumn 2013](#)
- [Spring 2013](#)
- [Autumn 2012](#)
- [Spring 2012](#)
- [Autumn 2011](#)
- [Spring 2011](#)



The Royal College of Pathologists
Pathology: the science behind the cure

FRCPath Part 2 Examination in Histopathology

SHORT CASES SPRING 2016

COMMENTARY

1. Female age 50. Lesion in left breast, gradually increasing in size. Core biopsy.
Fibroadenoma with epithelial hyperplasia

Mean 2.17/5

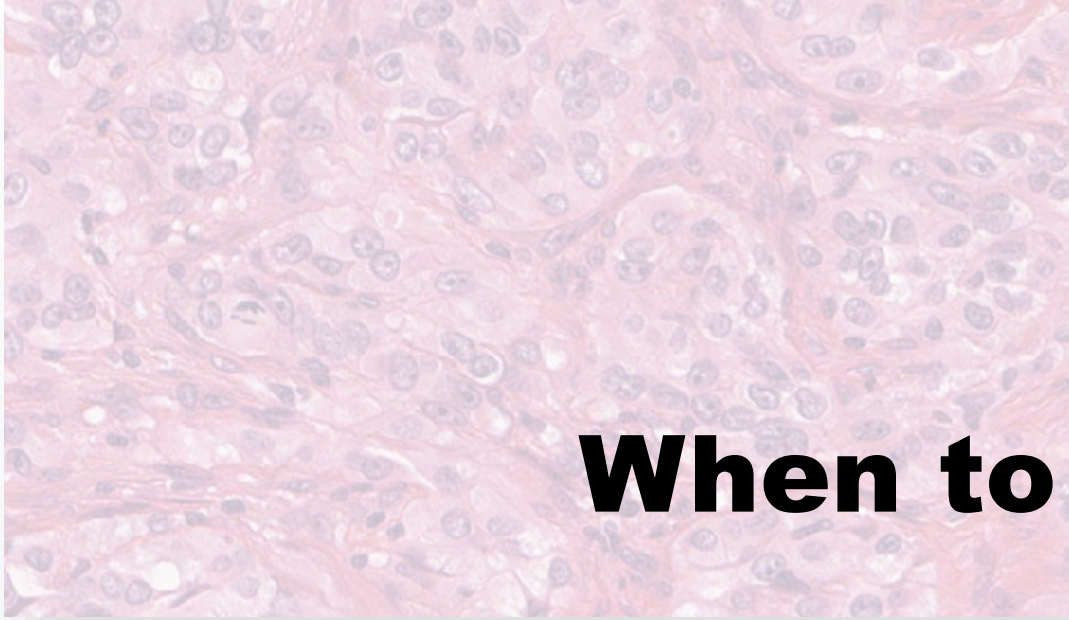
In the opinion of the examiners this breast core biopsy was from a conventional fibroadenoma showing epithelial hyperplasia of usual type. There was considered to be no epithelial atypia and the stromal cellularity was felt to lie within the acceptable range for a fibroadenoma. The architectural features were also felt to be those of a benign fibroadenoma.

This case prove to be unexpectedly difficult to candidates and the majority of candidates discussed a differential diagnosis of fibroadenoma and benign phyllodes tumour and were unable to come to a conclusion, many categorising the lesion as a fibroepithelial lesion of uncertain malignant potential and grading the lesion as B3.

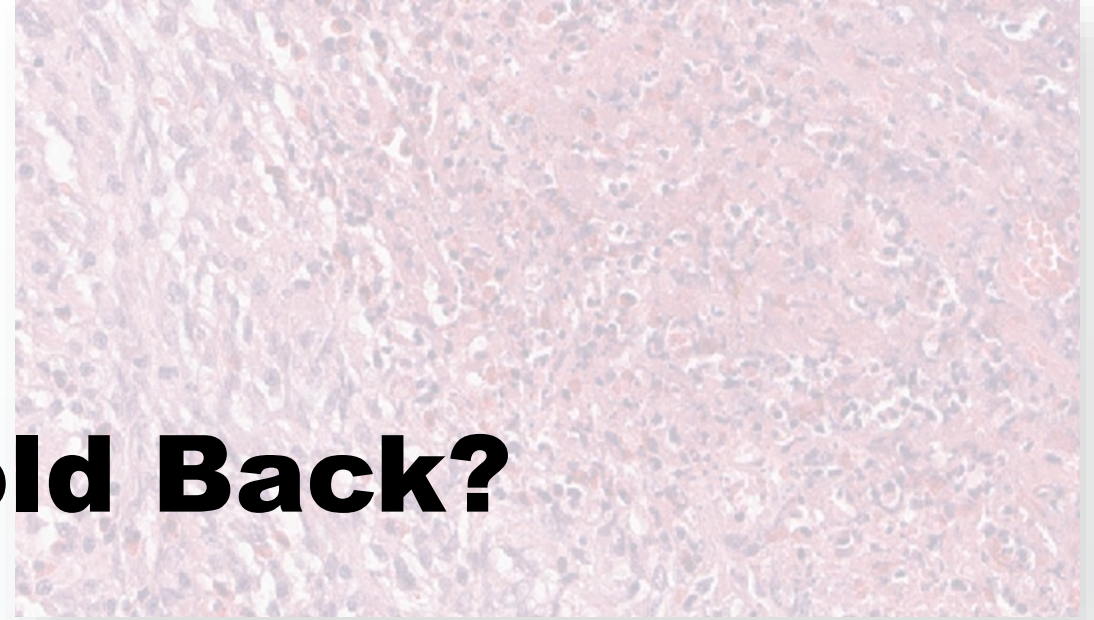
To gain a basic pass marked candidates are expected to make a confident diagnosis of fibroadenoma. Equivocation and grading as B3 was marked down slightly as a borderline fail. Any clearly malignant diagnosis or diagnosis of a primary stromal neoplasm was regarded as a clear fail.

This case was difficult to add further value to, but candidates making more confident and clinically helpful diagnosis were given additional marks.

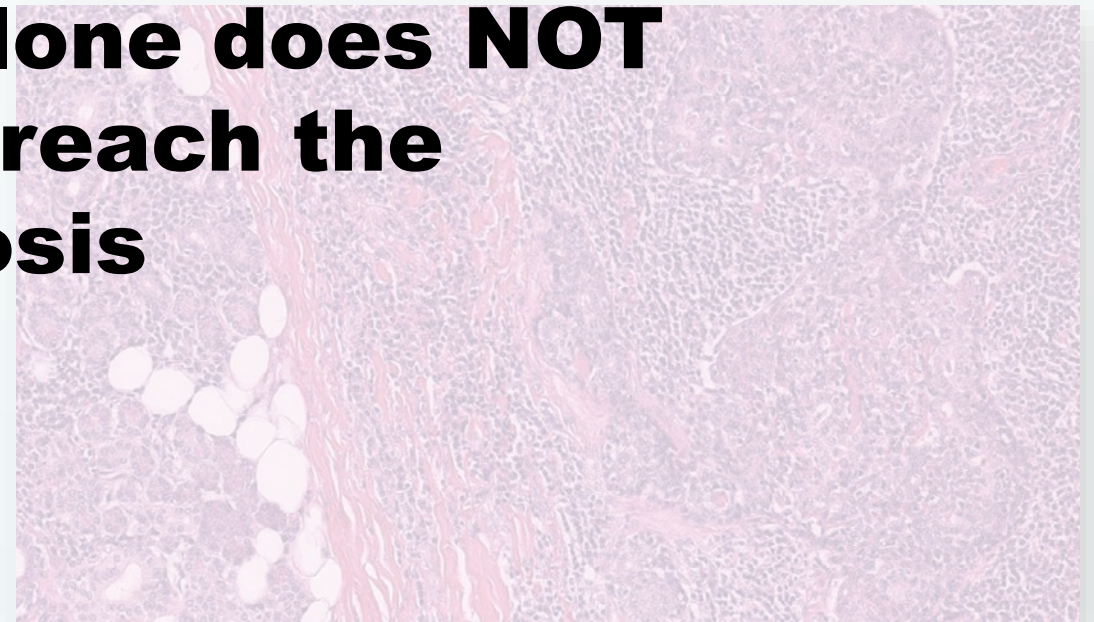
A small number of candidates misinterpreted the usual type epithelial hyperplasia as atypical ductal hyperplasia, ductal carcinoma in situ or in situ lobular neoplasia.

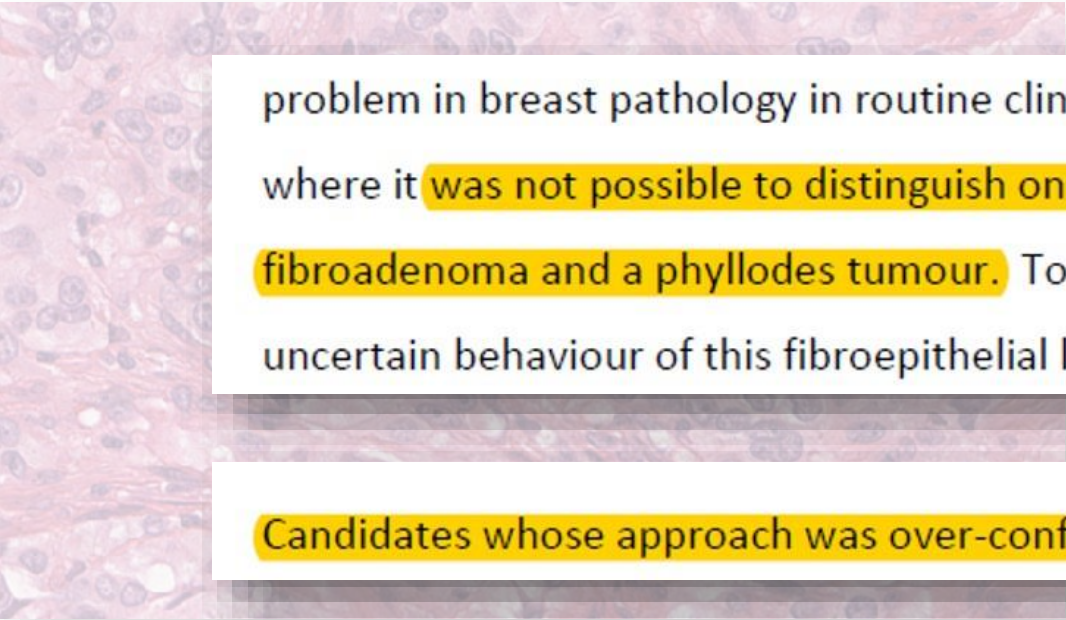


When to Hold Back?



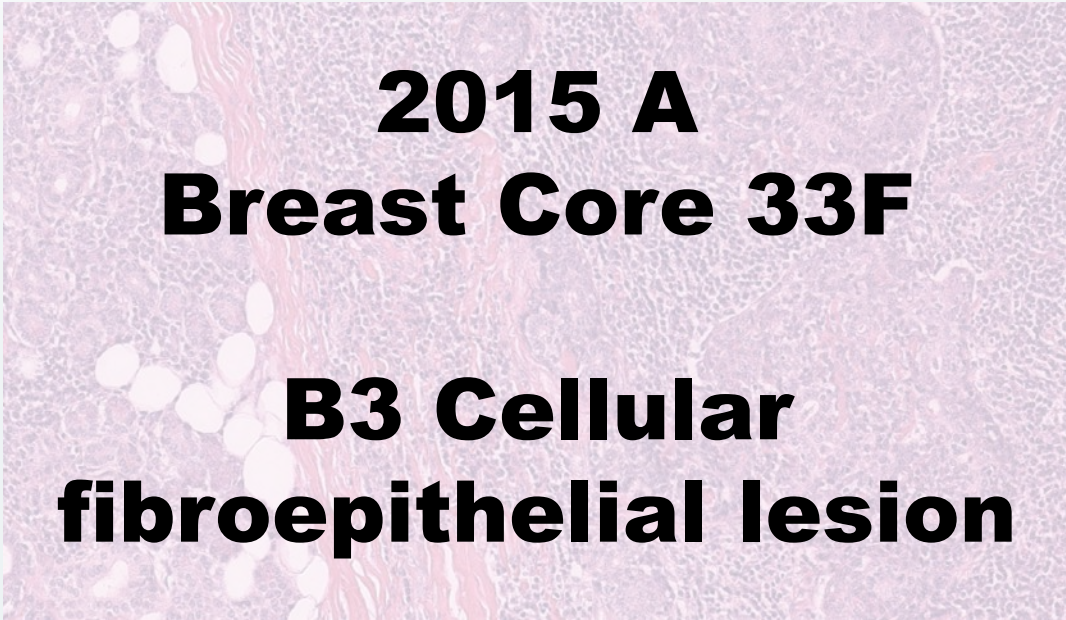
**When histology alone does NOT
allow you to reach the
diagnosis**





problem in breast pathology in routine clinical practice. This was a cellular fibroepithelial lesion where it was not possible to distinguish on the basis of histological features between a benign fibroadenoma and a phyllodes tumour. To gain a pass mark candidates had to recognise the uncertain behaviour of this fibroepithelial lesion, and grade the lesions as “B3” (or use words to

Candidates whose approach was over-confident were penalised. Confident diagnoses of

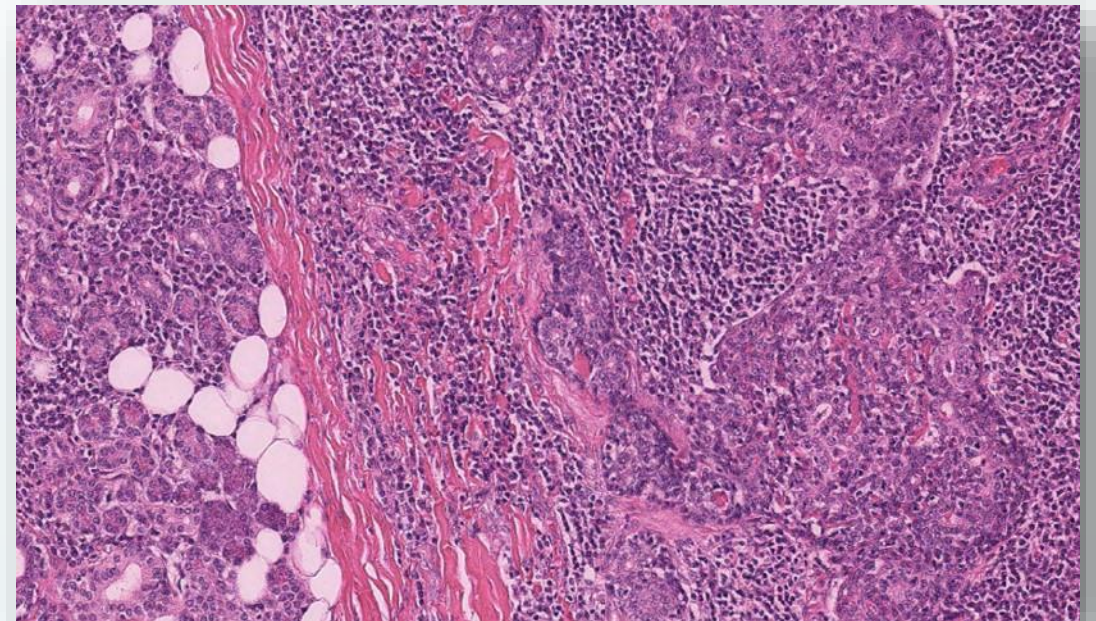


2015 A
Breast Core 33F
B3 Cellular
fibroepithelial lesion

This was an intentionally difficult case which considered the need for caution in interpretation of lymphoid infiltrates in the context of autoimmune salivary gland disease. The case was marked

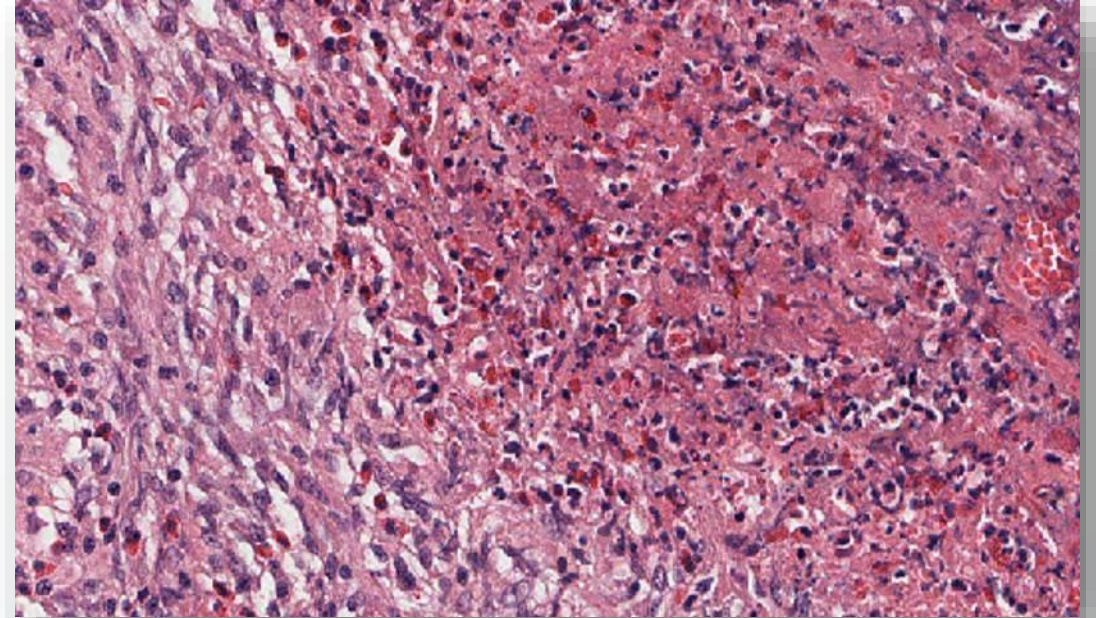
To pass candidates had to give an adequate description of the lesion and arrive at a differential diagnosis of myoepithelial sialadenitis vs lymphoma, and acknowledge that confident diagnosis is not possible on H&E section alone. Additional marks were given to candidates able to suggest

2016 A Parotid 74M
H_x of Sjogren
Autoimmune
sialadenitis vs.
lymphoma



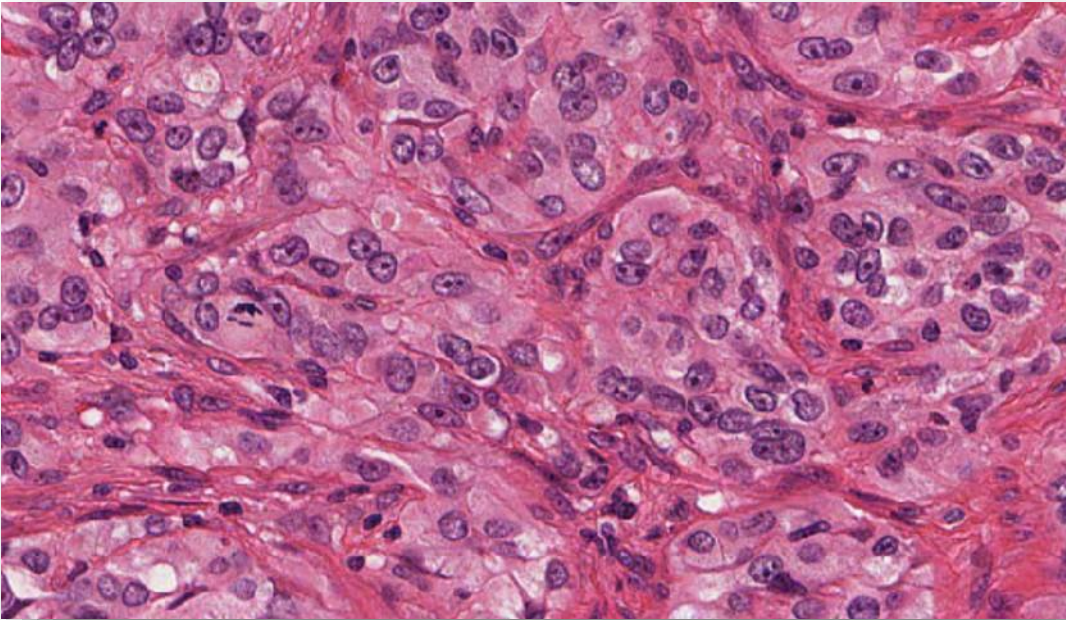
2014 S Lung 37F

**Features *suggestive*
of Wegener
granulomatosis**



This was a moderately difficult case, testing the ability of candidates to safely assess a granulomatous process in the lung and think laterally to exclude infectious aetiology as well as considering systemic disease. Candidates should have realised the need to consider the likely

Borderline fails were given to candidates who offered a single confident diagnosis of any specific form of necrotising granulomatous condition without offering a differential diagnosis or suggesting special stains or seeking clinical correlation. In the opinion of the examiners the histology suggests a variety of conditions and definite diagnosis of a single condition was not possible without additional investigation and seeking clinical correlation.



2014 S Scalp 62M

Metastatic renal cell carcinoma

This case was set to test candidates' ability to deal with cutaneous malignancy, and test the ability of candidates to **consider appropriate differential diagnoses rather than jump to conclusions** based on H&E sections alone. This is a common diagnostic dilemma faced by all consultant histopathologists in

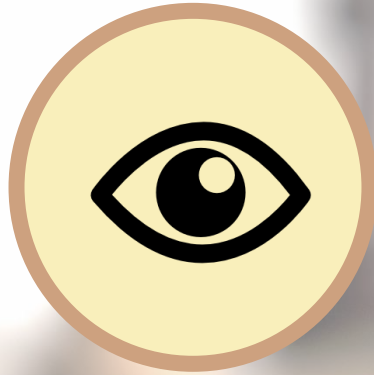
This question was answered variably by candidates. Many candidates offered appropriate differential diagnoses and ancillary investigations. **A significant minority of candidates were more specific than the histology allowed**, and offered confident diagnoses of primary or metastatic

Strategy T M P Approach



Topography

Where is the specimen from?



Morphology

What does it look like?



Procedure

Any relevant clinical/ previous?

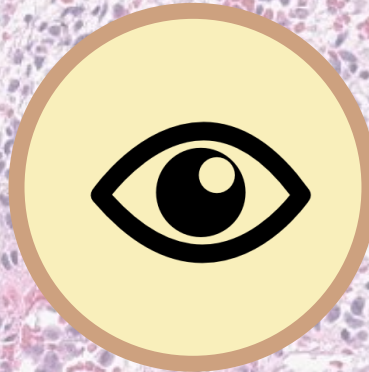
What happens next to the patient?

2014 A 19M Left Orchidectomy

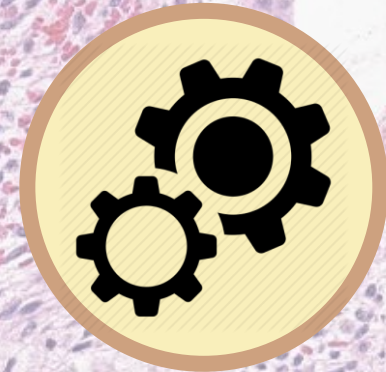
Virtual Pathology at the University of Leeds



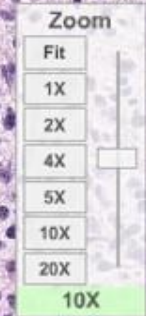
**Primary
tumour**



**Type
Components
Margins
LVI
Rete
BG**

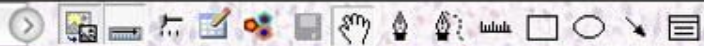


**Serum markers
Surgery
DS core items
Staging
MDT**



2014 A 19M Left Orchiectomy

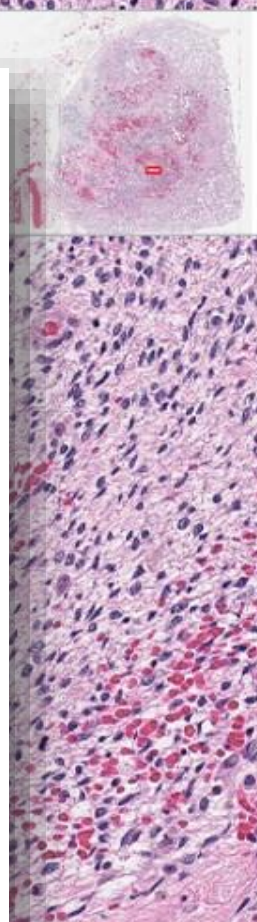
Virtual Pathology at the University of Leeds



This case was chosen in order to assess the candidates' ability to assess and classify **complex testicular tumours**. The case was thought by examiners to be a good example of a **mixed germ cell tumour**.

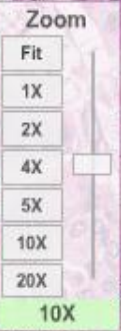
Pass marks were given to candidates able to give a competent description of the components (**embryonal carcinoma, immature teratoma, syncytiotrophoblast**) and arriving at a diagnosis of mixed germ cell tumour or a differential diagnosis favouring mixed germ cell tumour.

Candidate adding value by observing **lymphovascular invasion** and **intratubular germ cell neoplasia** were awarded additional marks, as were candidates suggesting appropriate **immunohistochemistry**, suggesting the need for **serum marker** studies and making appropriate observations about the natural history of the tumour.



2014 A Invasive micropapillary CA, breast

Virtual Pathology at the University of Leeds



Adding value to your answer
Try to impress the examiner

2014 A Invasive micropapillary CA, breast

Virtual Pathology at the University of Leeds



~~The case will be discussed at the MDM.~~

The findings that will be discussed at the postoperative MDM:

The subtype: Very aggressive and carries a poorer prognosis than other types of breast cancer.

The histological grade on excision.

The presence of lymph-vascular space invasion.

The status of margins and completion of excision.

The stage of the disease.

The hormone receptor and HER2 status (most likely performed on the pre-operative core) for management options.

Correlation with pre-operative core/ triple assessment.



The Royal
College of
Pathology

Make it clear

- **Have a neat handwriting**
- **Headings: micro, diagnosis and comments**
- **Write full sentences**
- **Bullet format is optional**
- **Write every other line**

During the mid session

... speak to

Don't be Mock-aholic!

Good mock:

- Timed
- Set by an examiner or trainer
- Feedback

**Practice and test yourself
using Leeds Website**

Read the commentary



Last Advice!

Plan your preparation schedule in
weeks not months



Please take my survey



www.surveymonkey.co.uk/r/NN2PXQ7



www.surveymonkey.co.uk/r/FKZG39H

*Good
Luck!*