



# CONNECTIONS ROUND 1

R

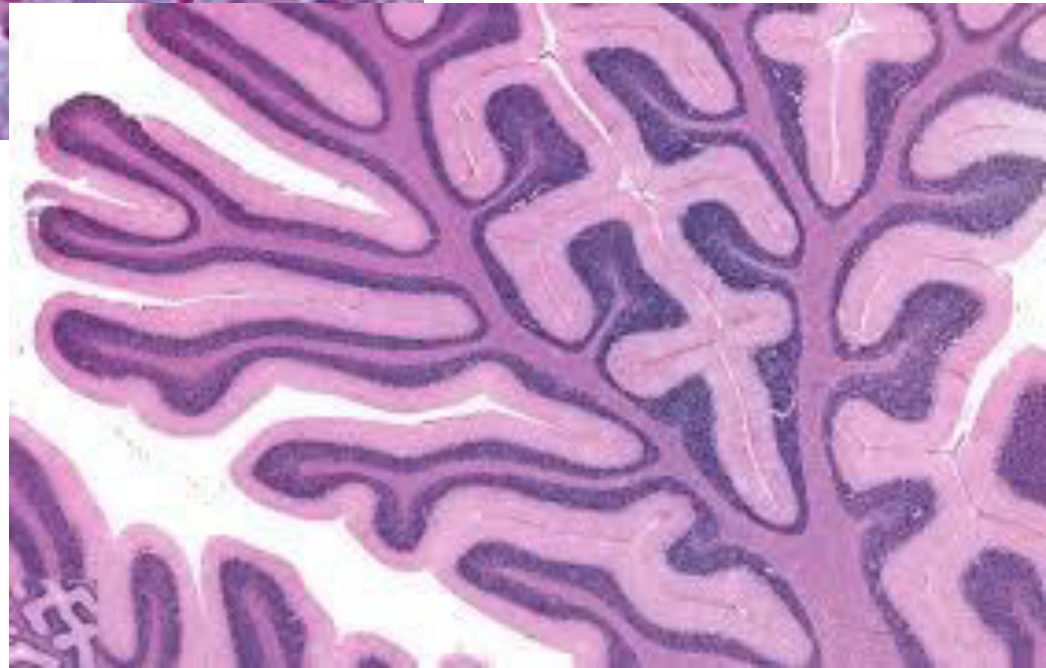
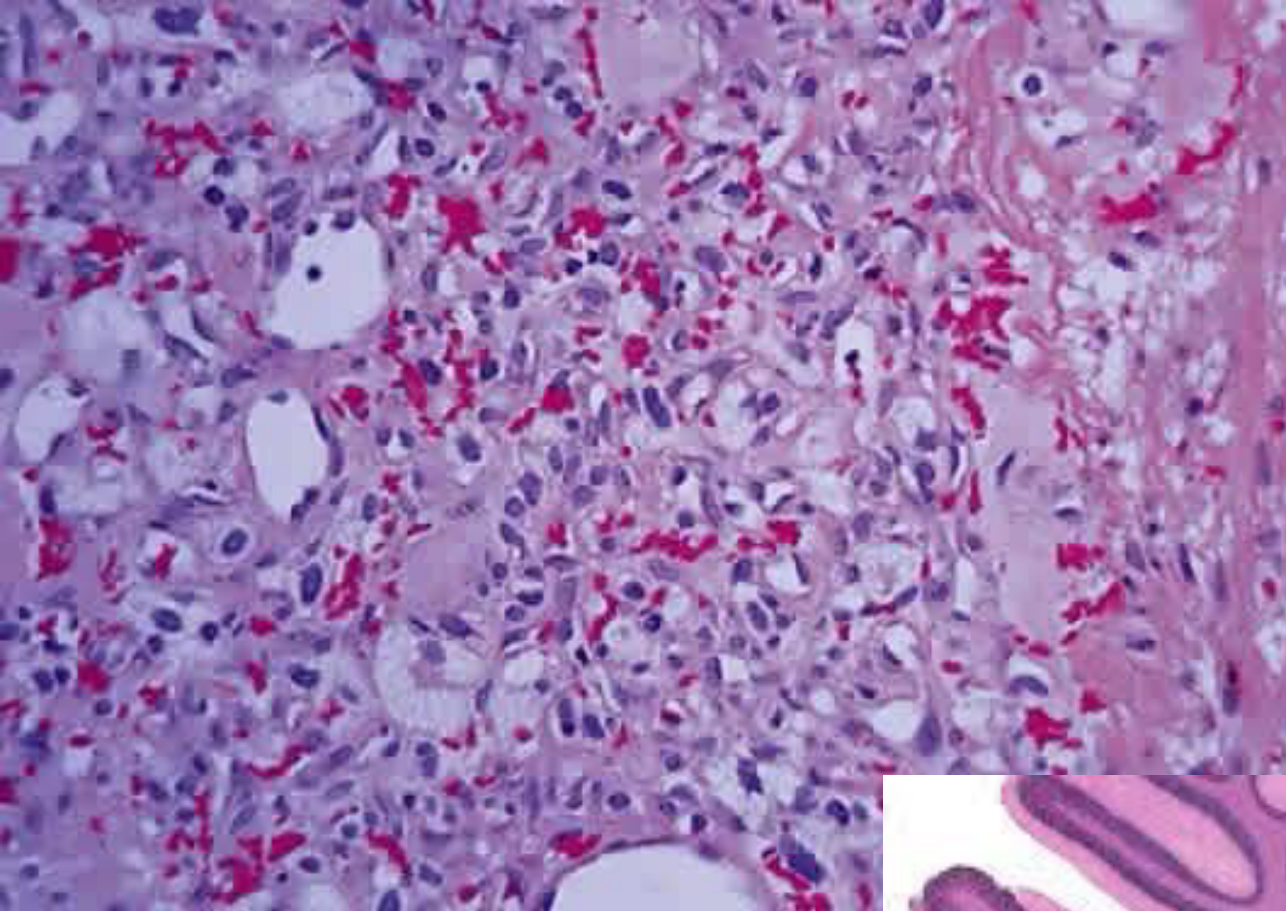
(3 Imagesx5=15

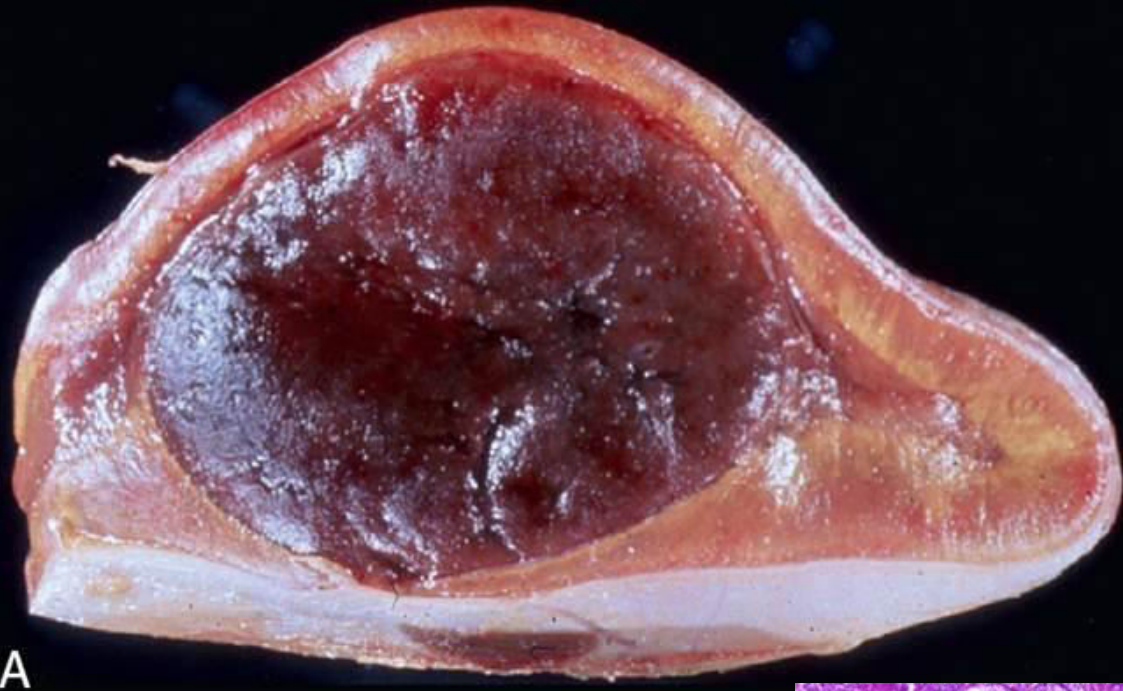
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TOTAL—20 MARKS

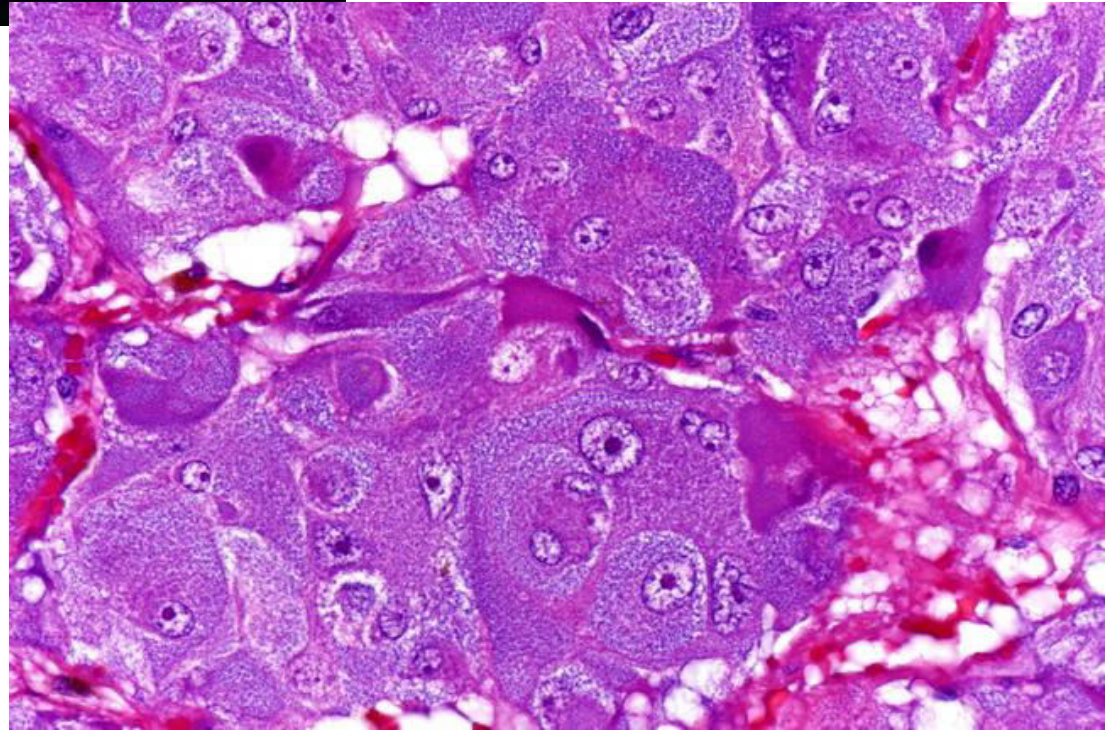
Pass only for link which carries 5 marks)

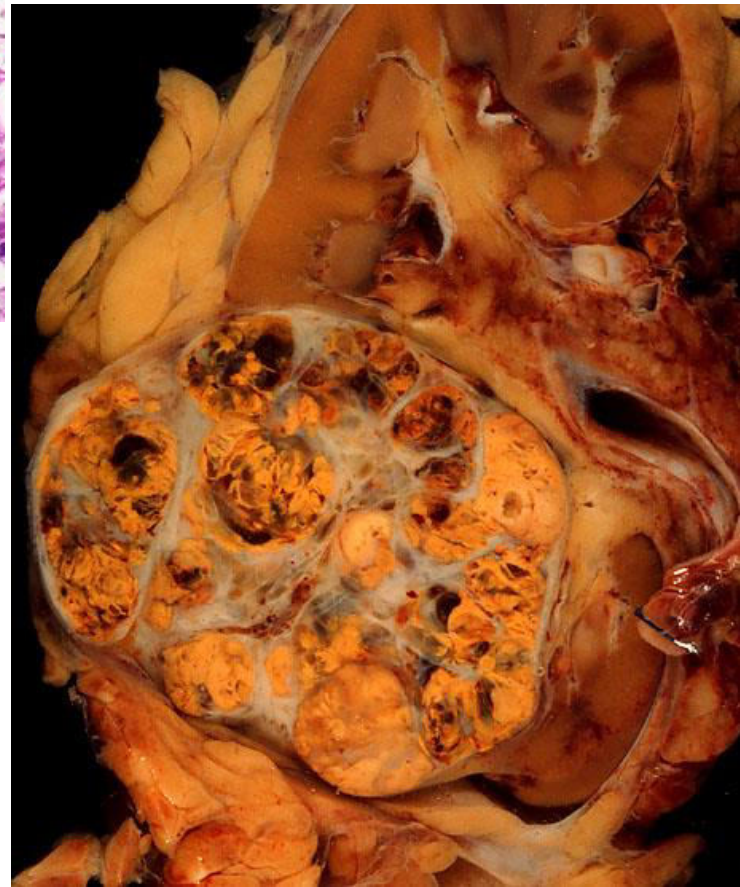
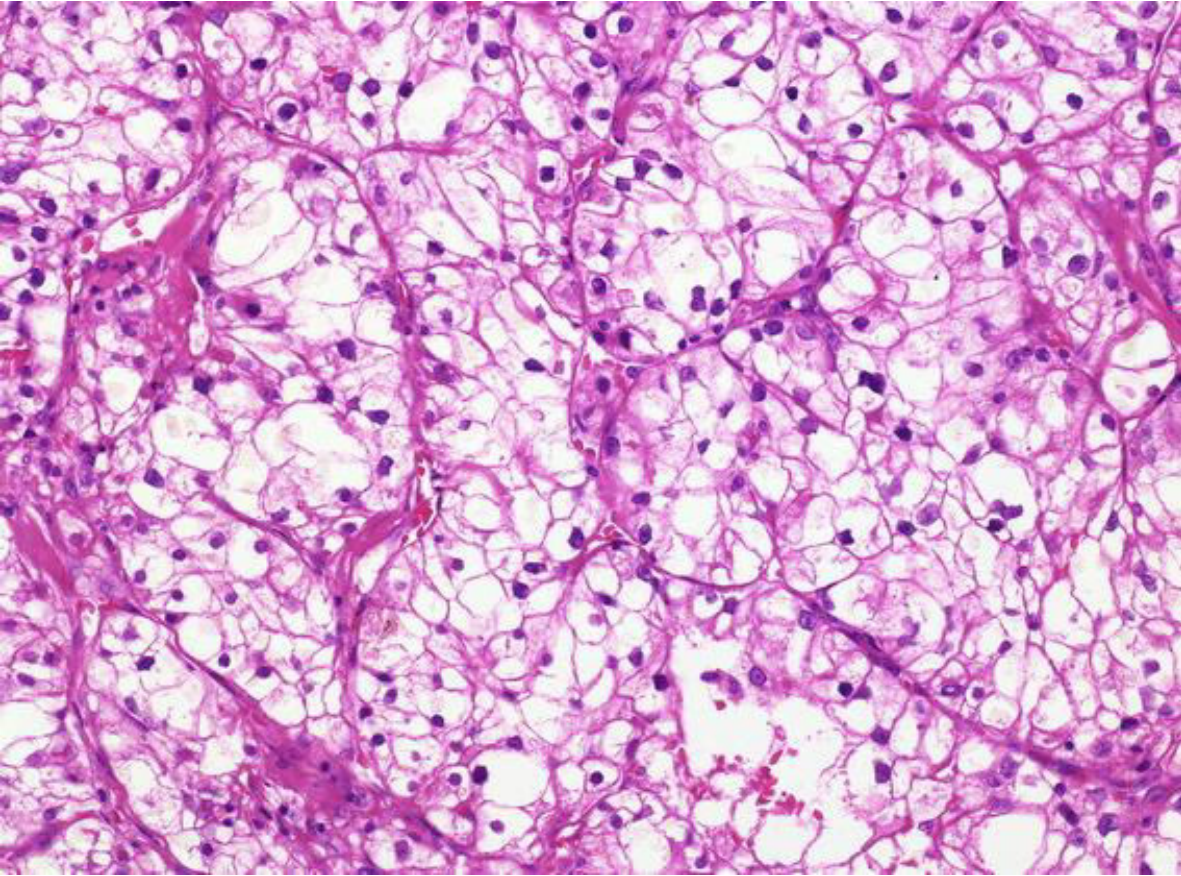






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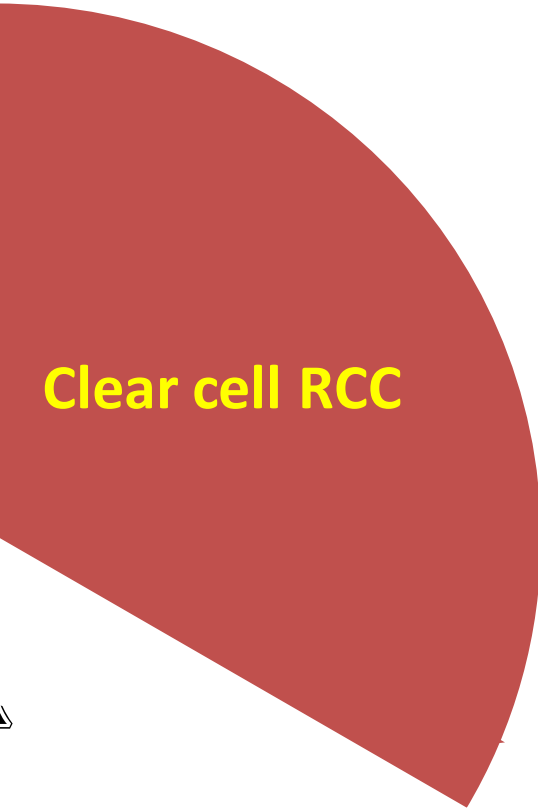






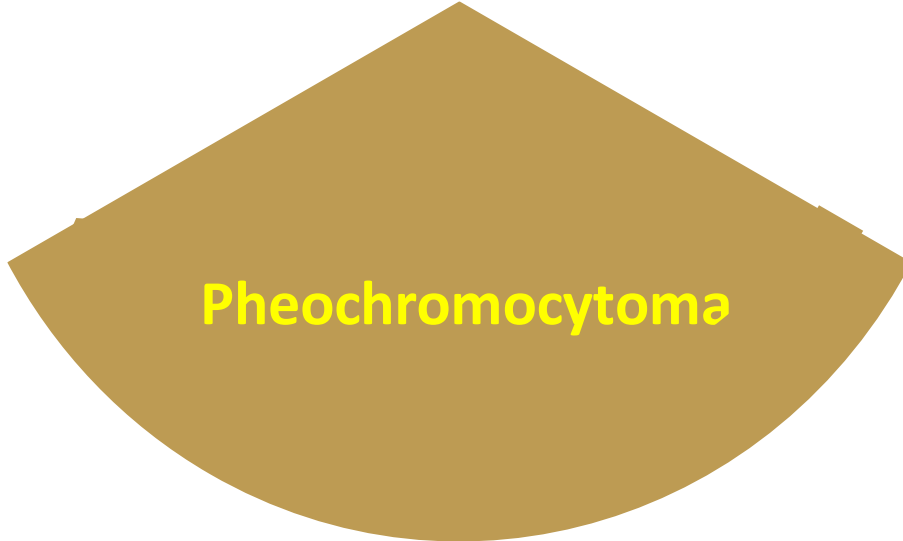


**Hemangioblastoma**

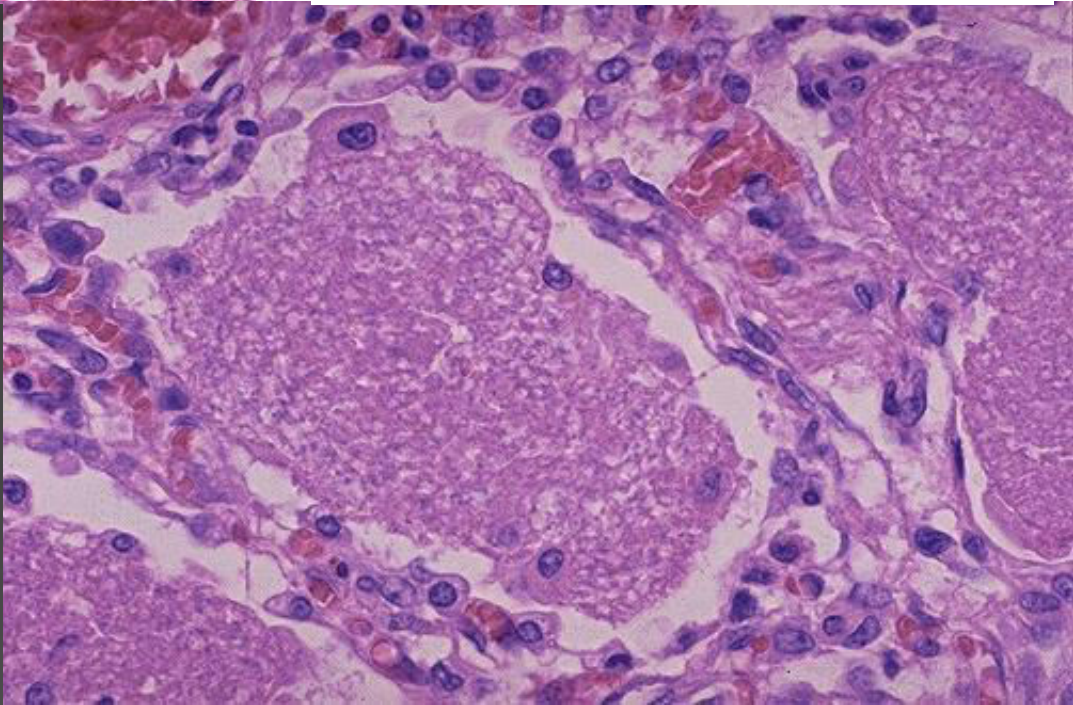
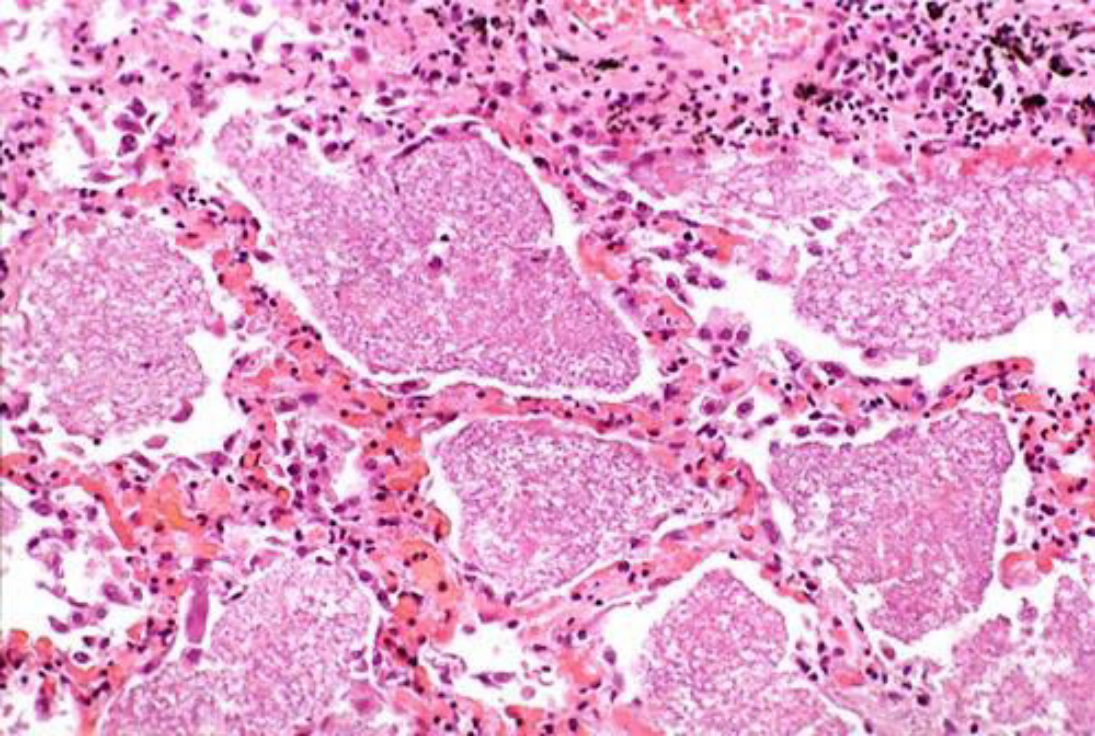


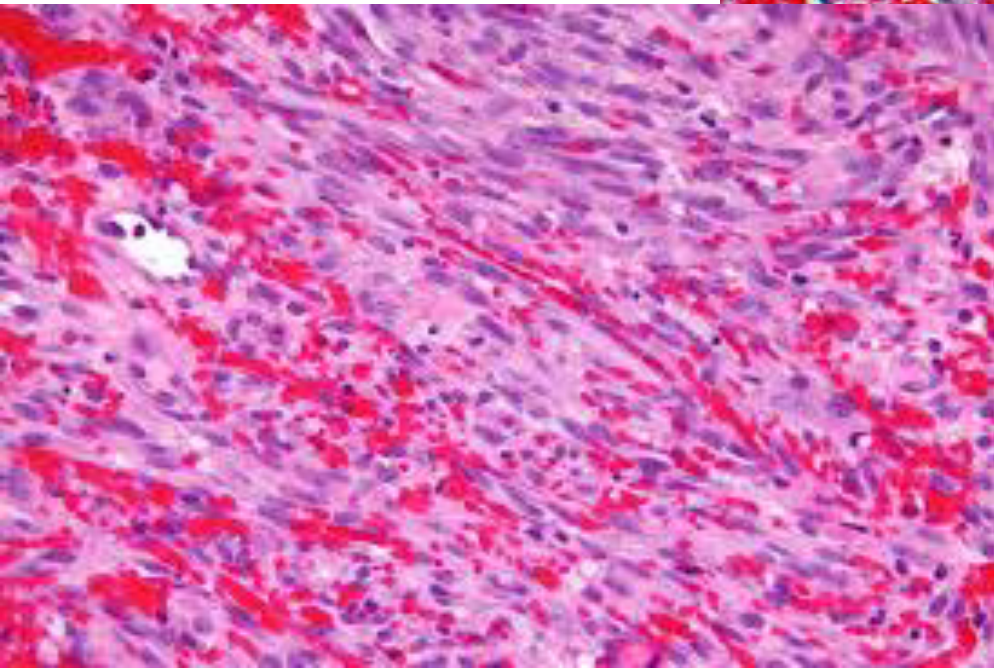
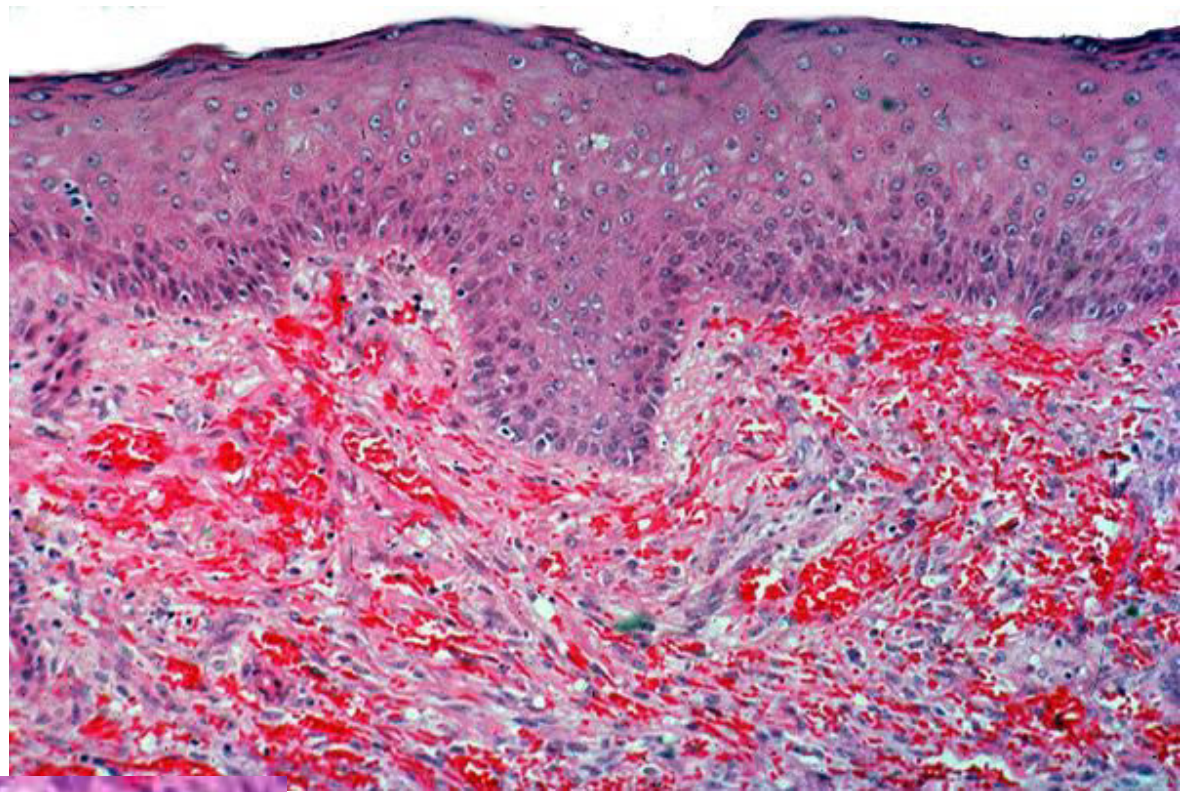
**Clear cell RCC**

**VHL**

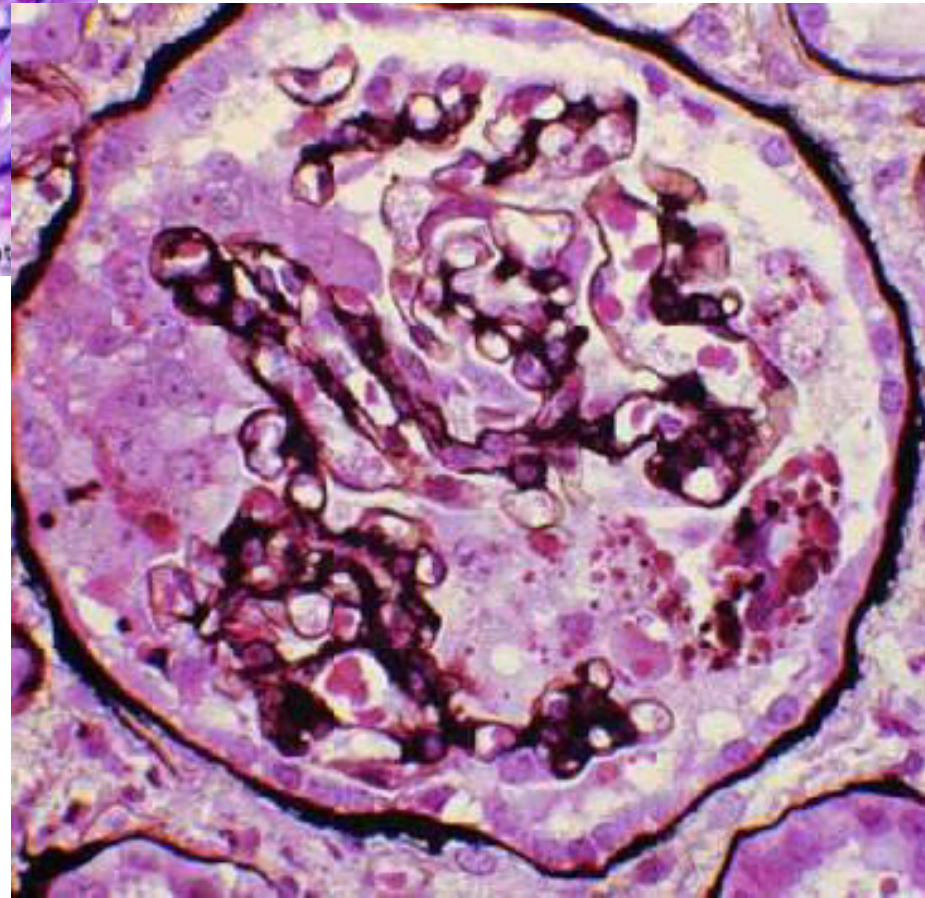
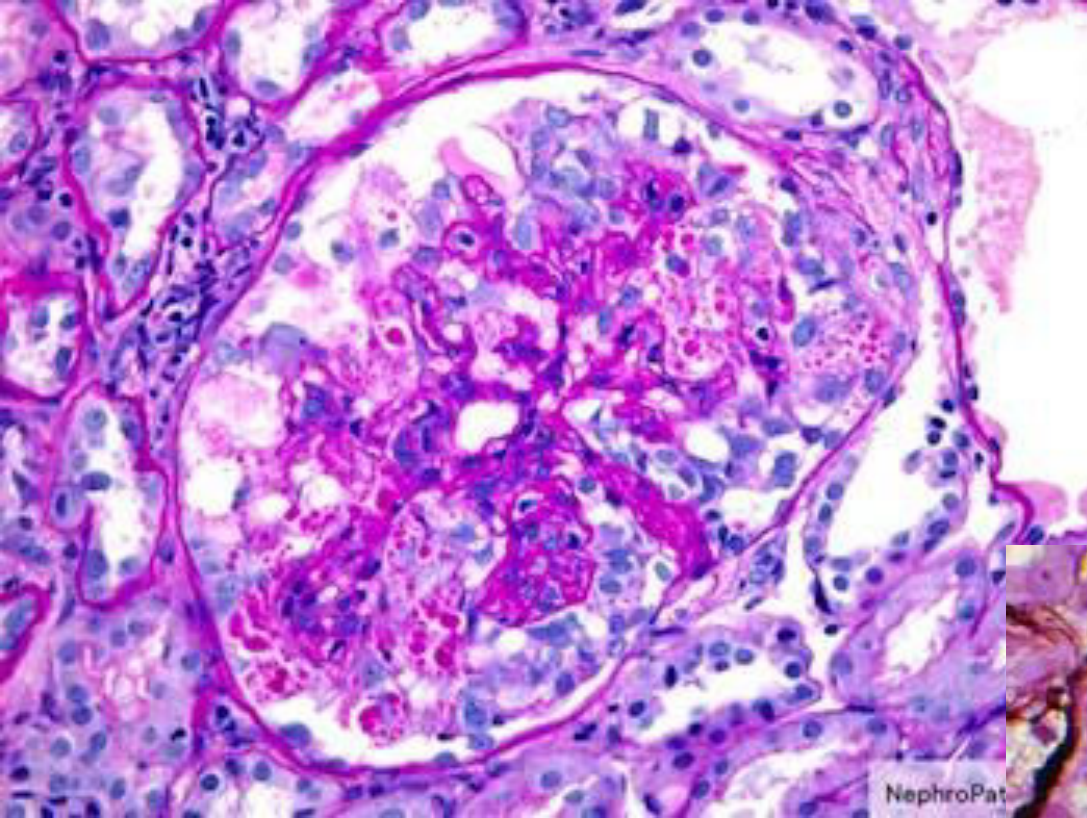


**Pheochromocytoma**









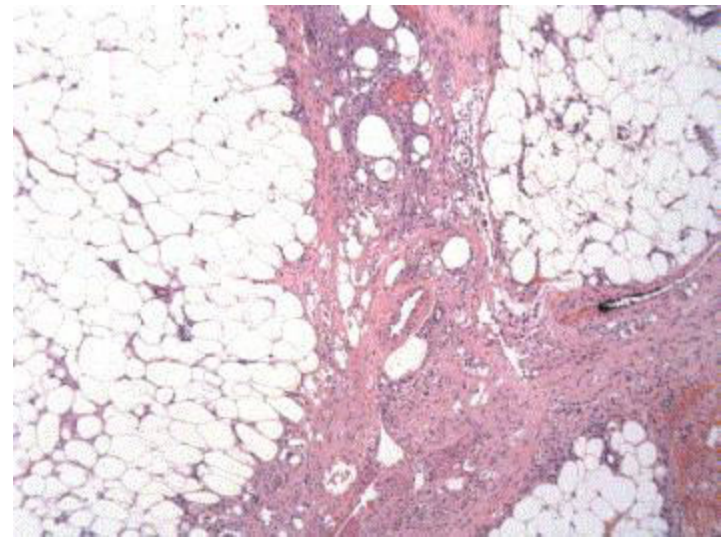
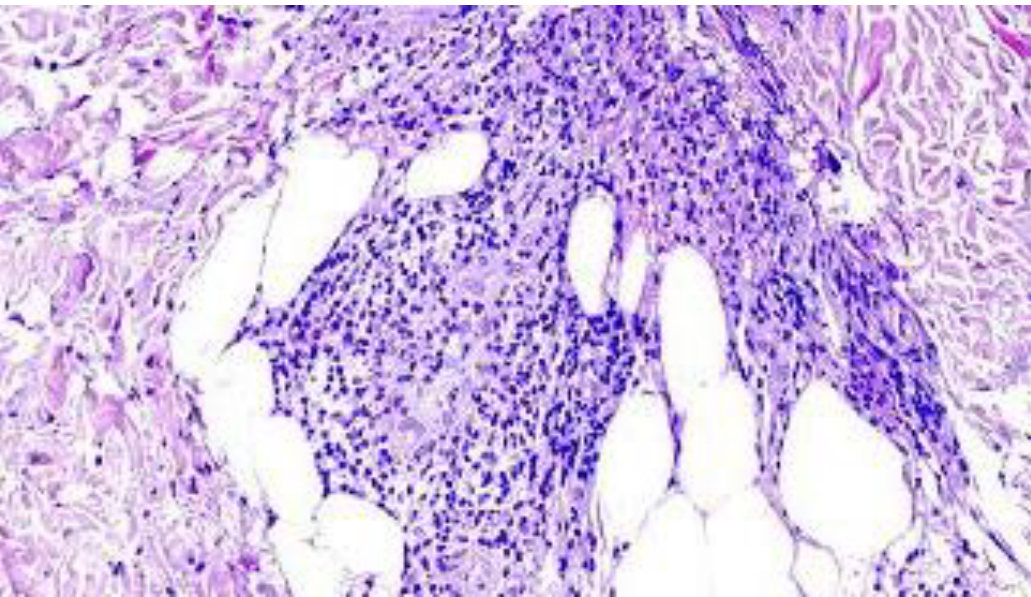
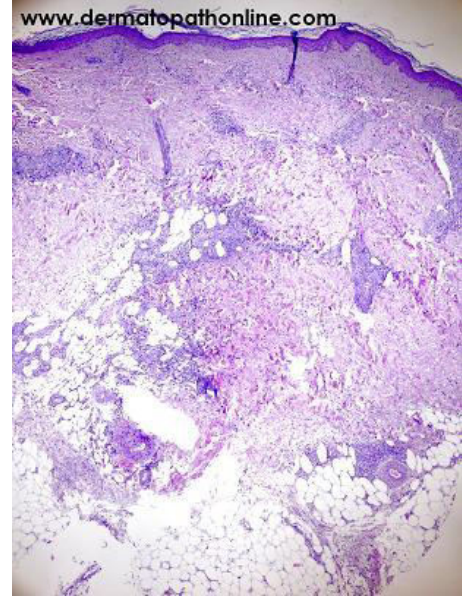


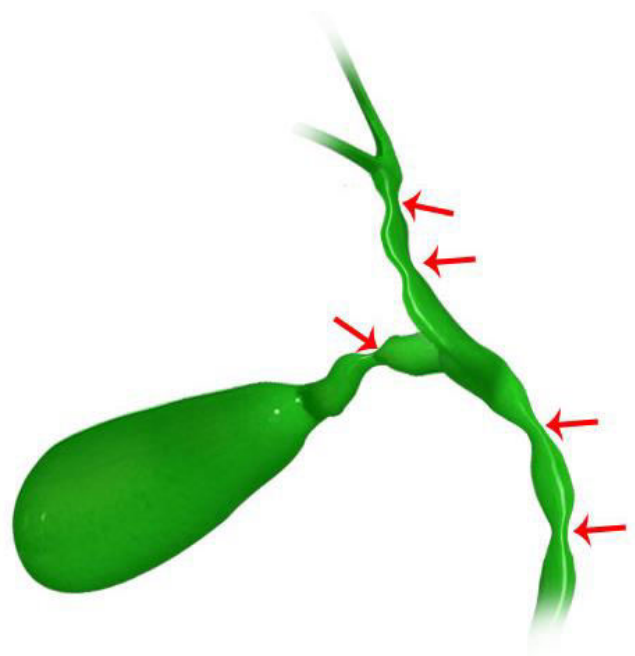
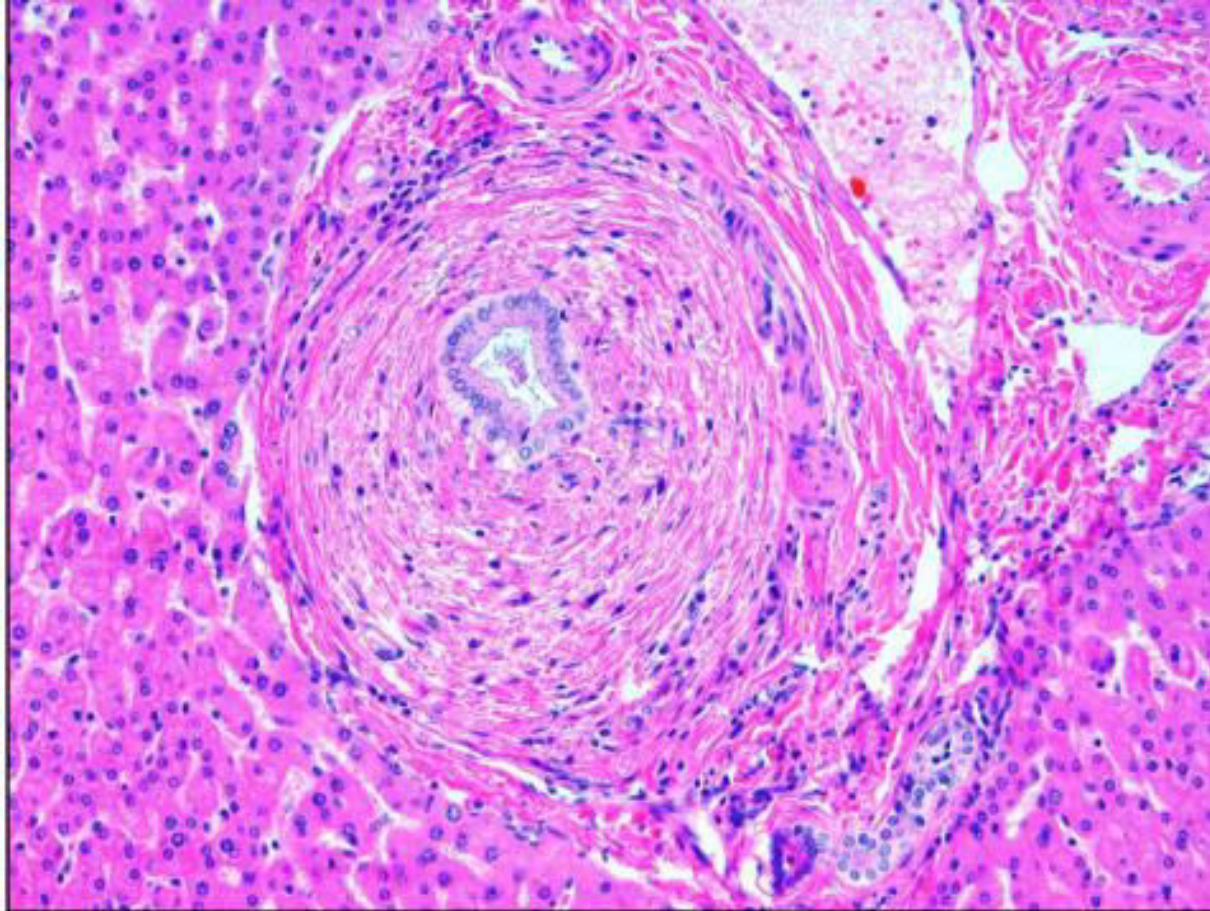
**Pneumocystis  
jirovecii  
pneumonia**

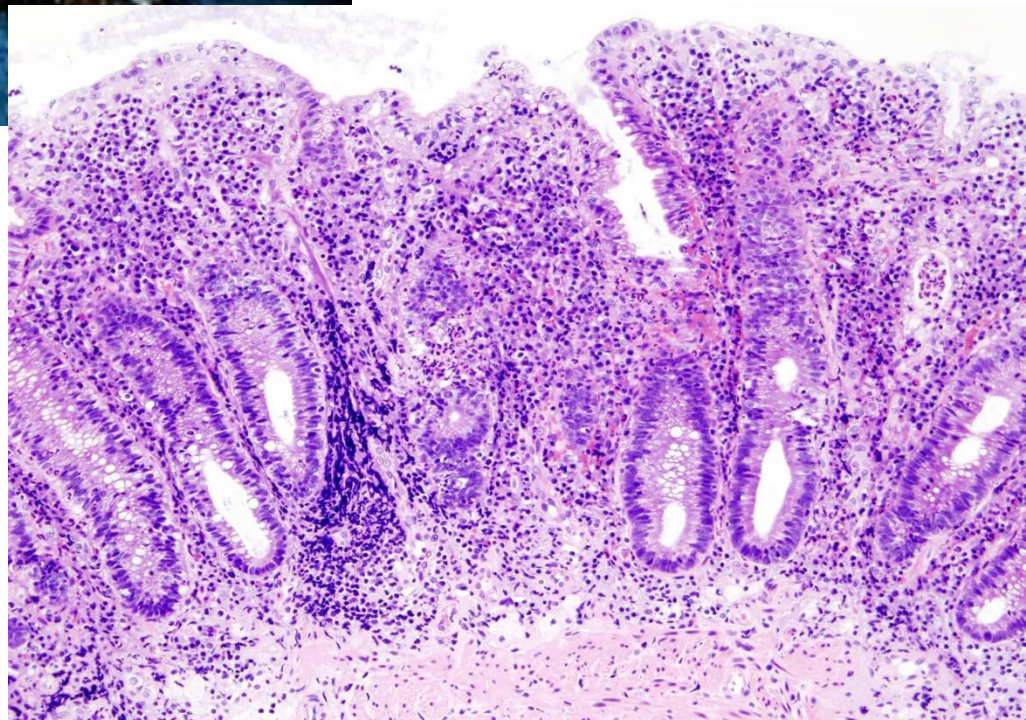
**Collapsing  
glomerulopathy**

**HIV**

**Kaposi sarcoma**











Active IBD



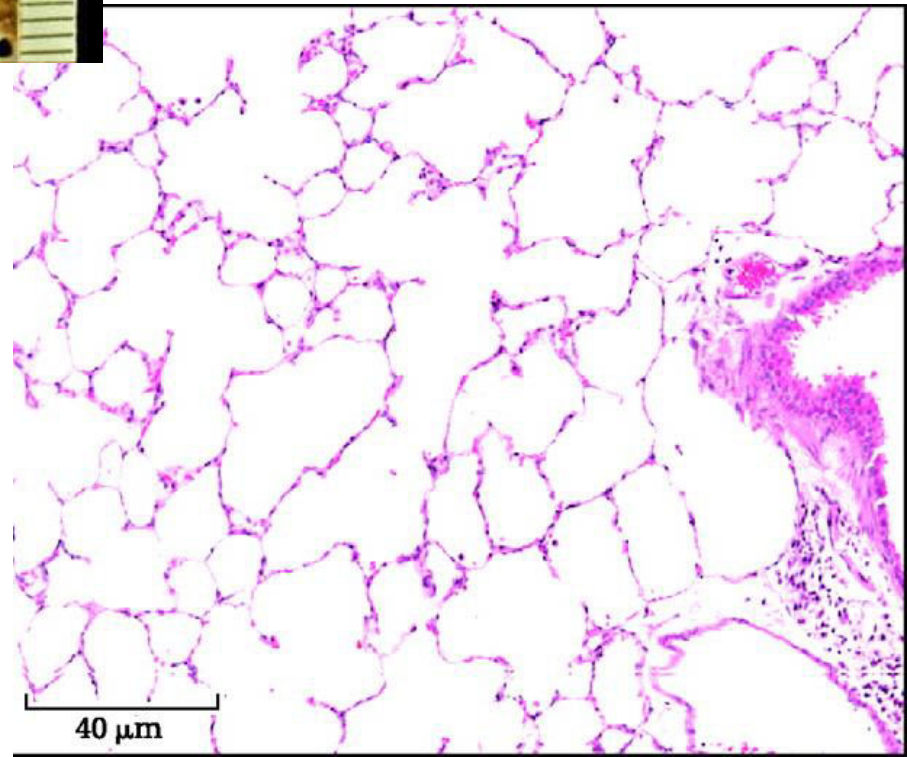
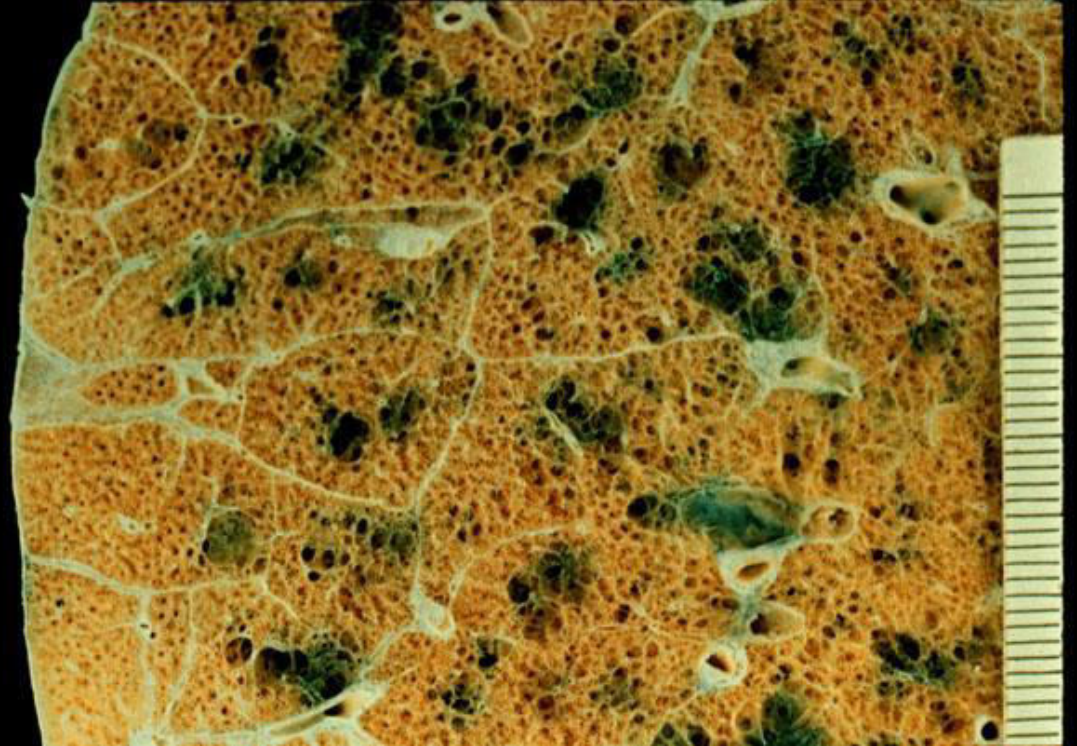
Primary  
sclerosing  
cholangitis

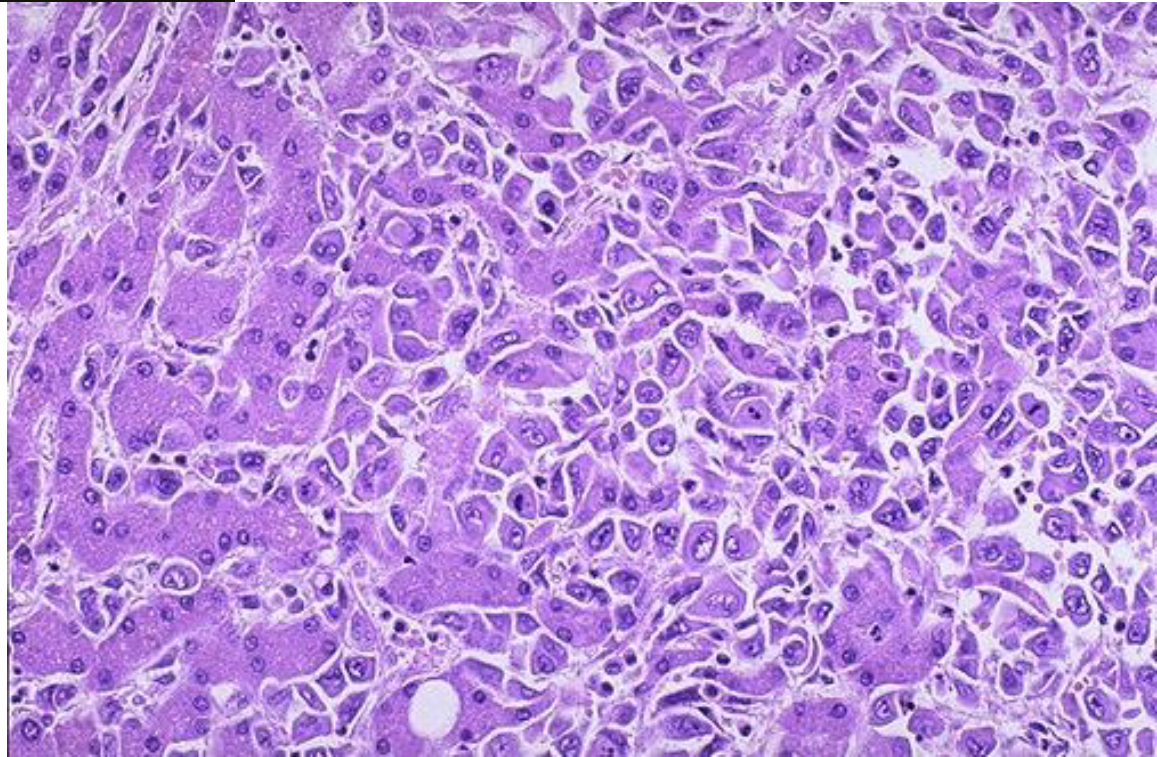
**ULCERATIVE  
COLITIS**

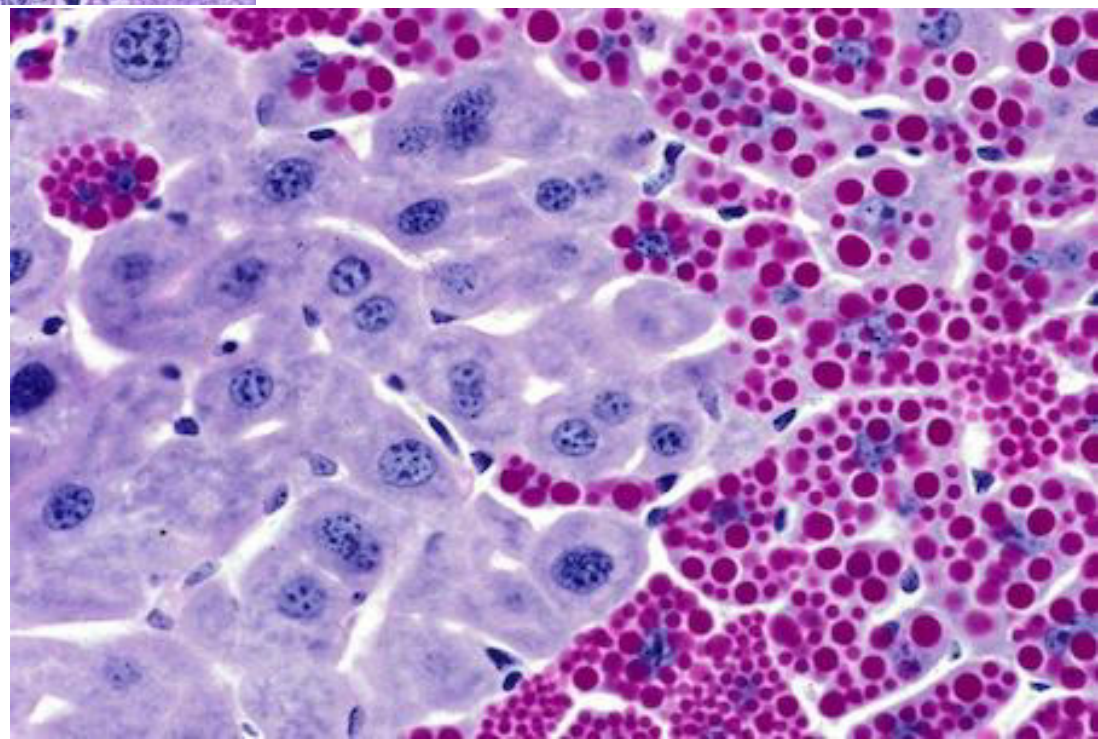
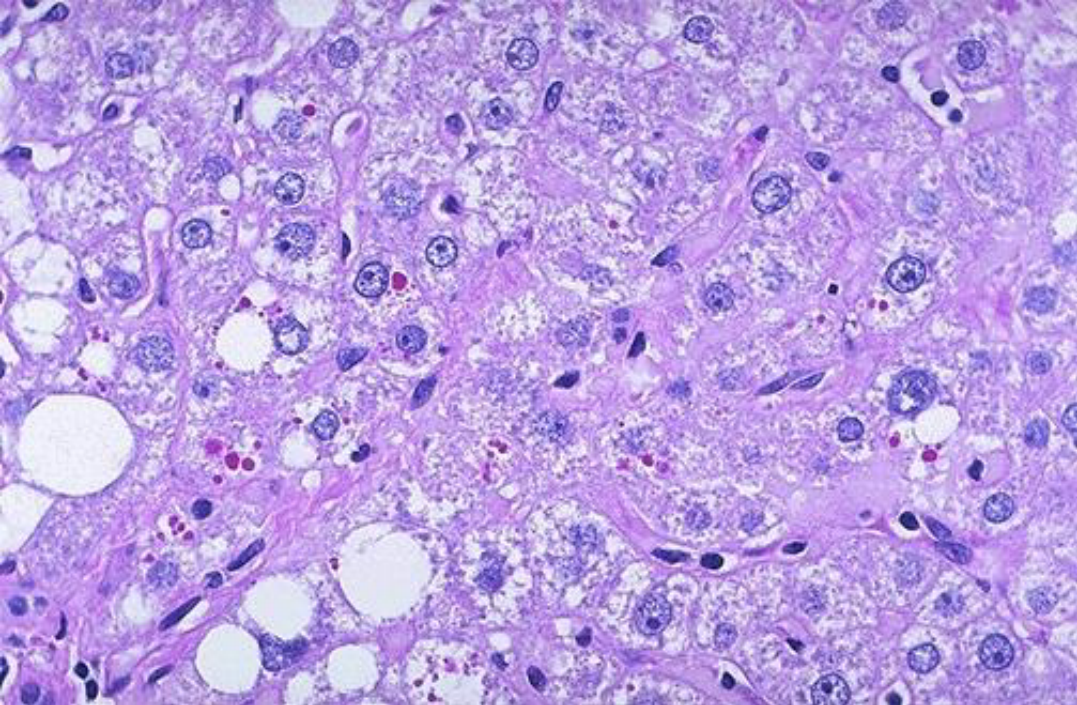


Erythema nodosum











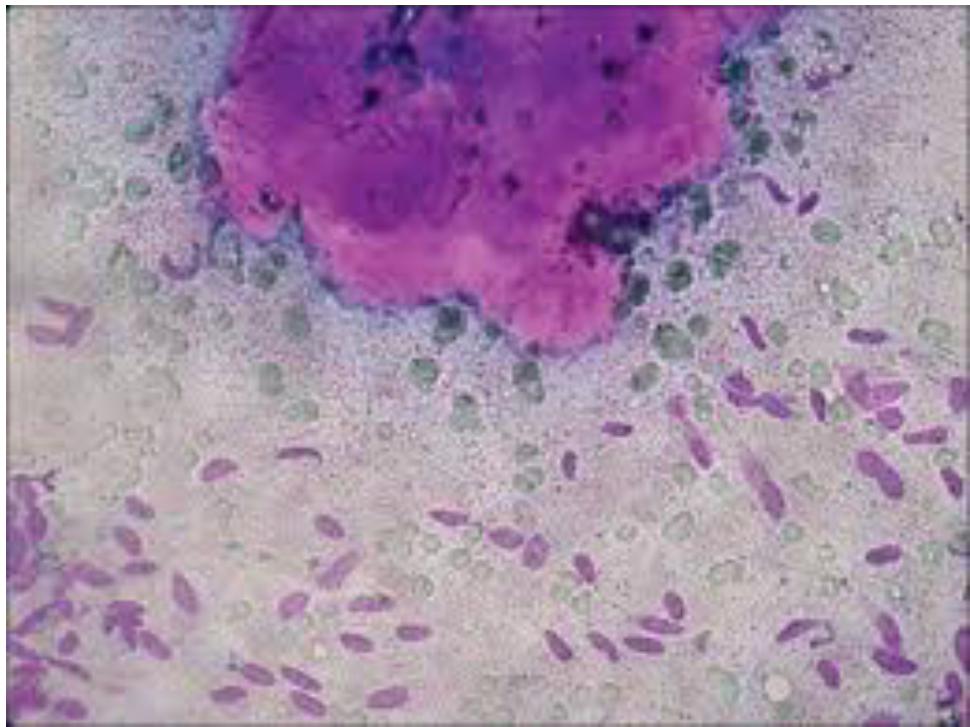
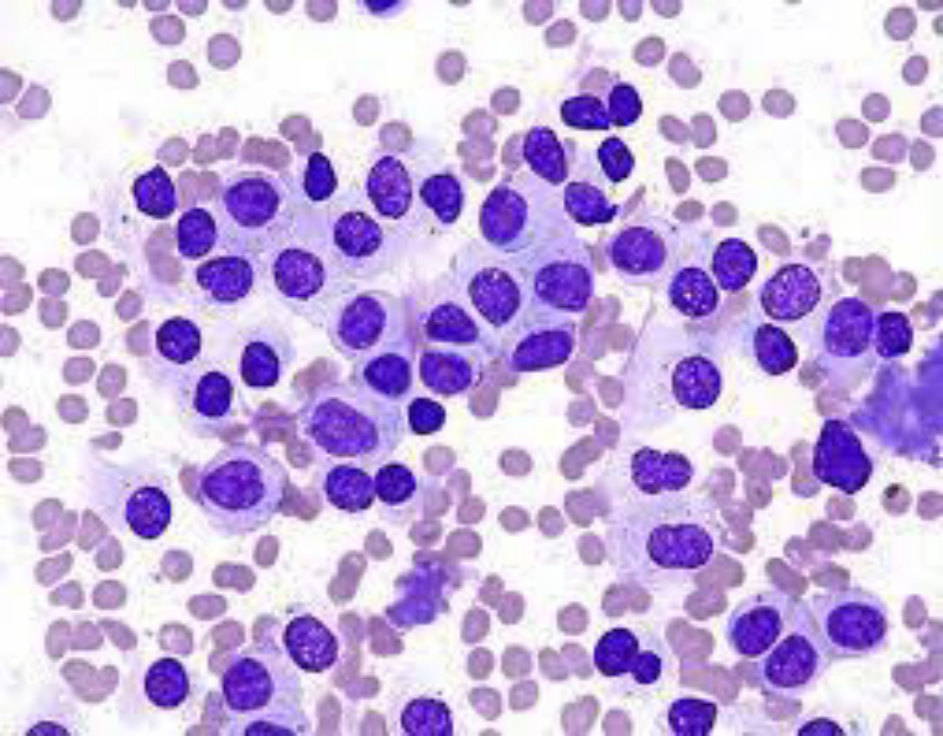
**Emphysema  
(Panacinar)**

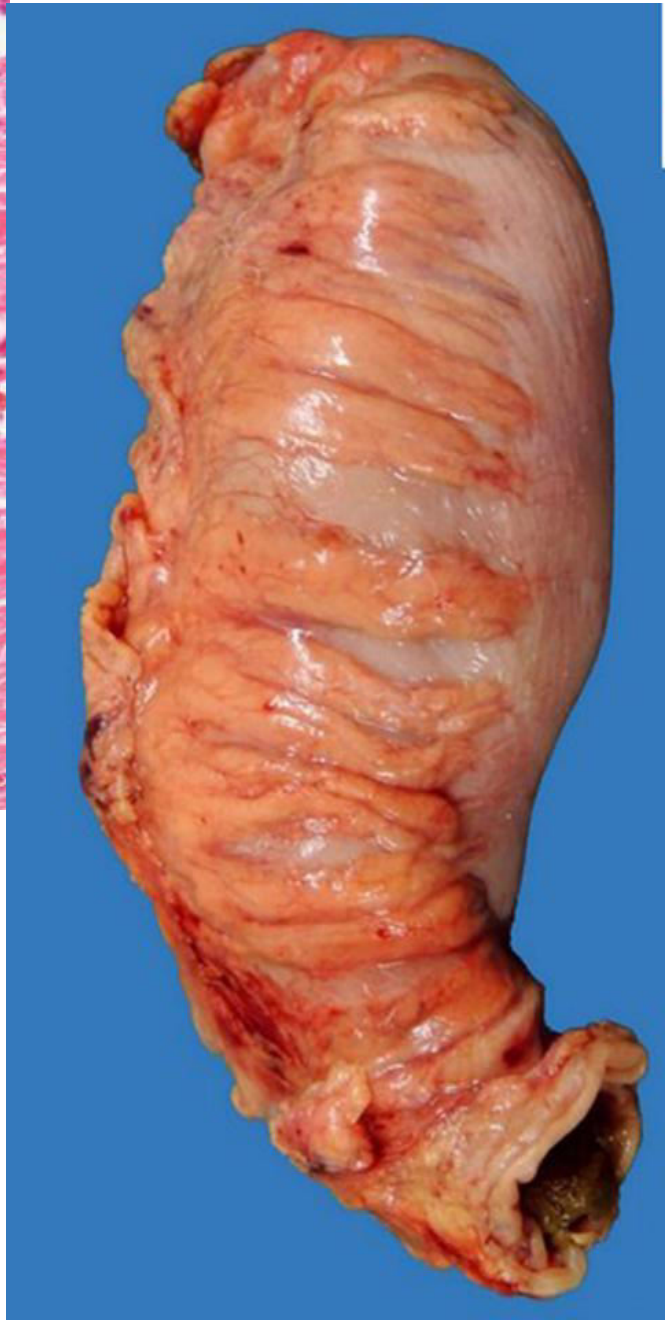
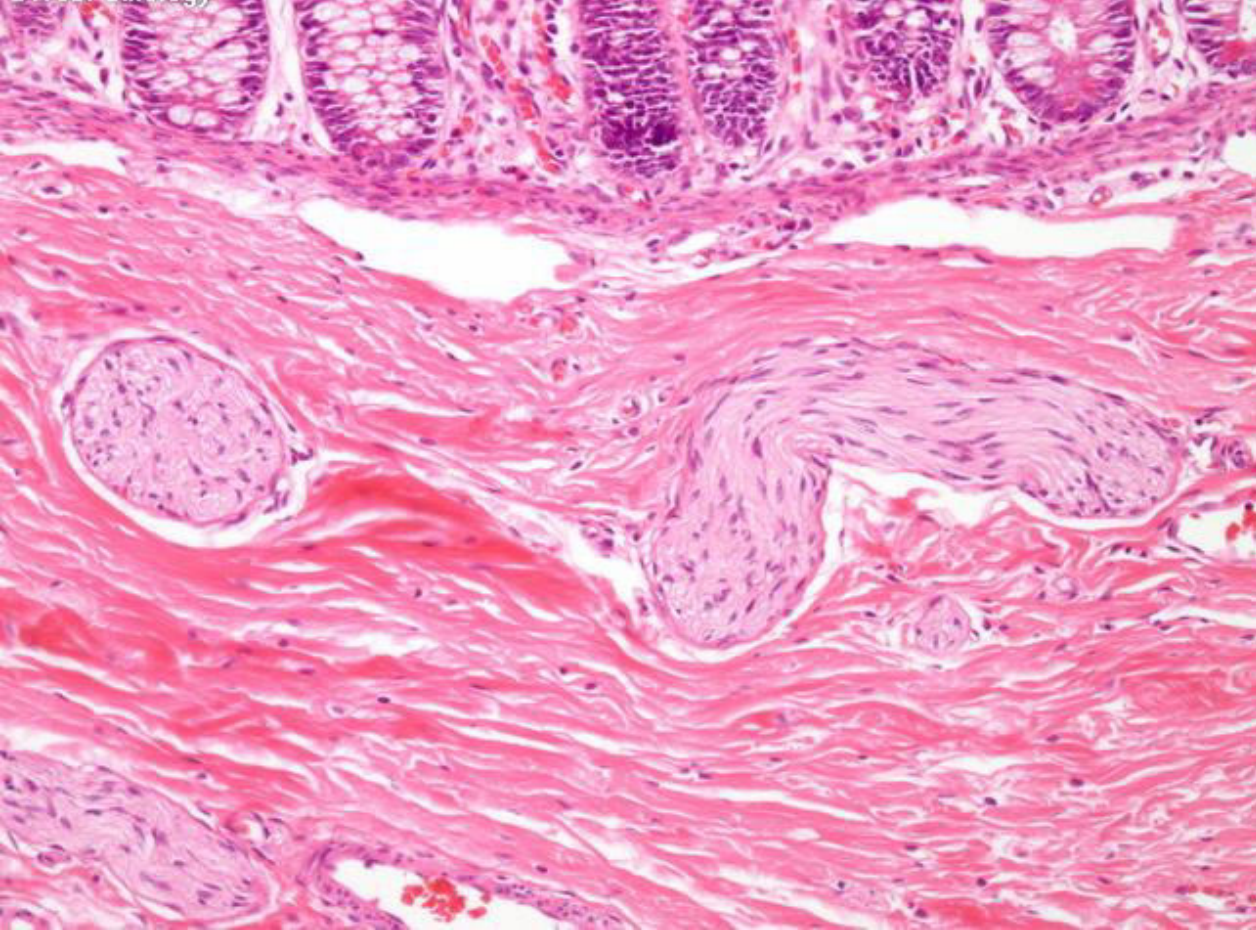
**Hepatocellular  
carcinoma**

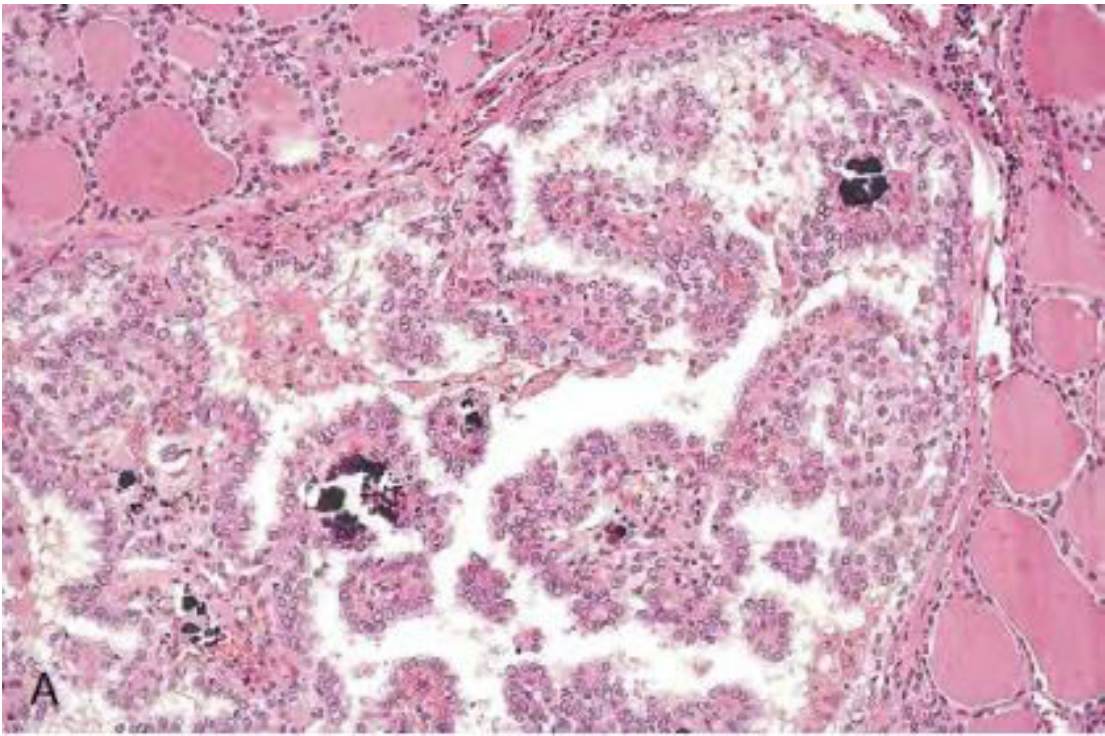
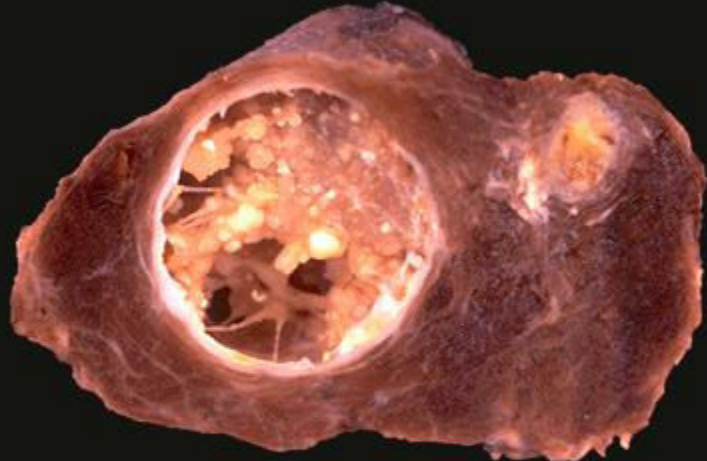
**$\alpha$ 1 AT  
DEFICIENCY**

**Metabolic liver  
disease ( $\alpha$ 1 AT  
deficiency)**

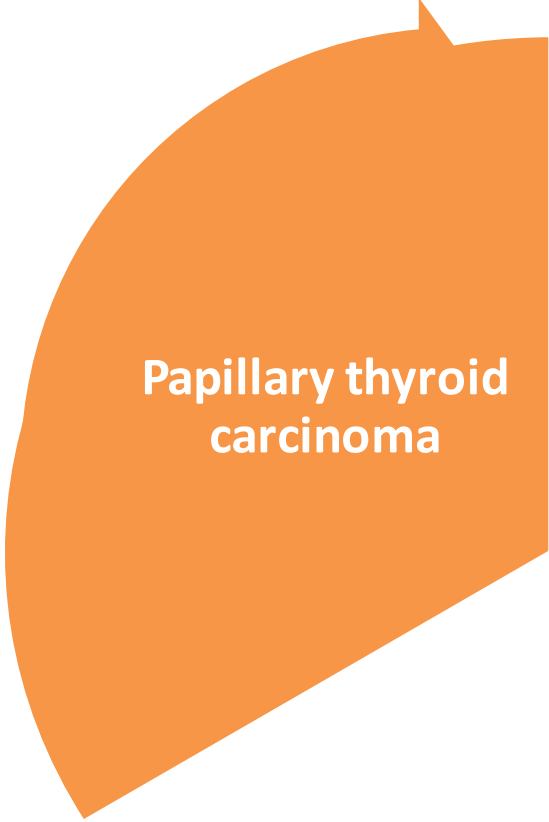
Resume connections



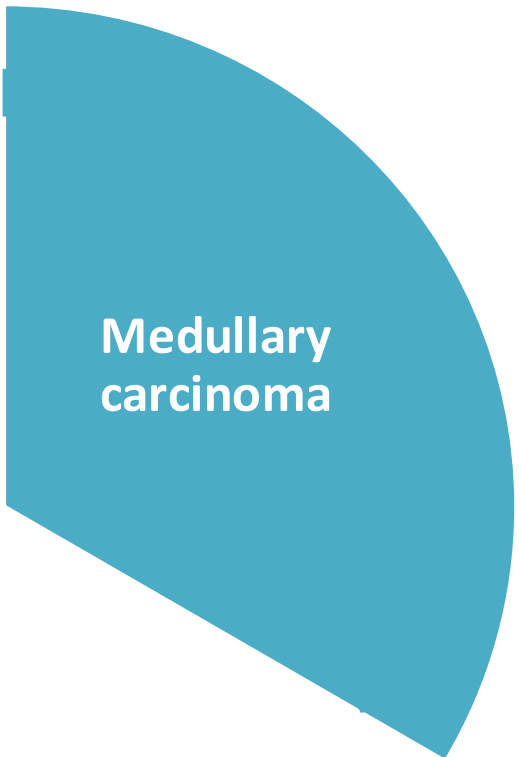








Papillary thyroid carcinoma



Medullary carcinoma

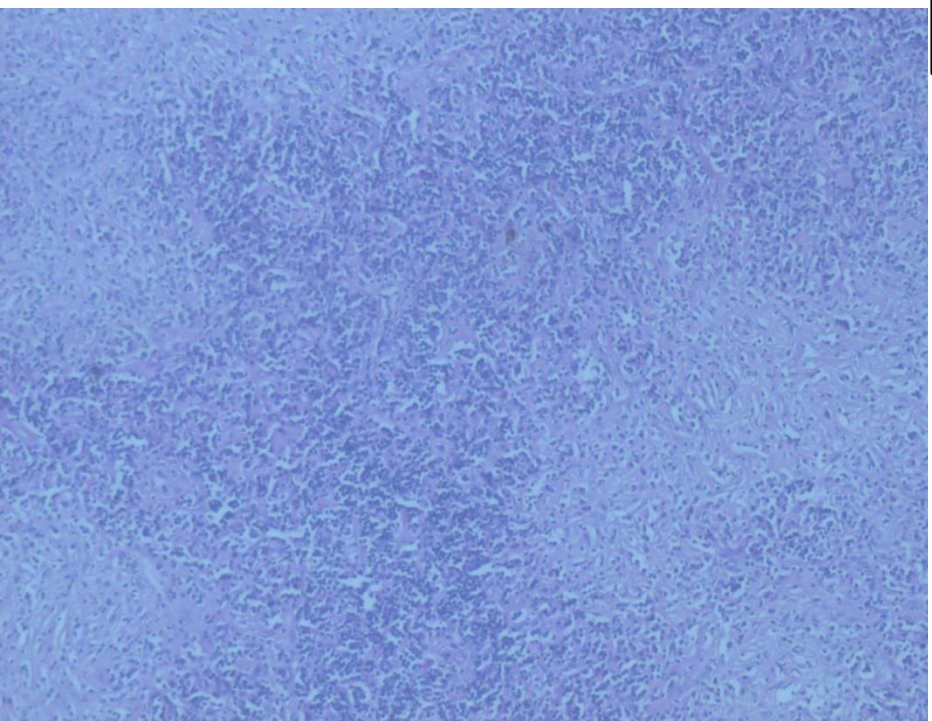
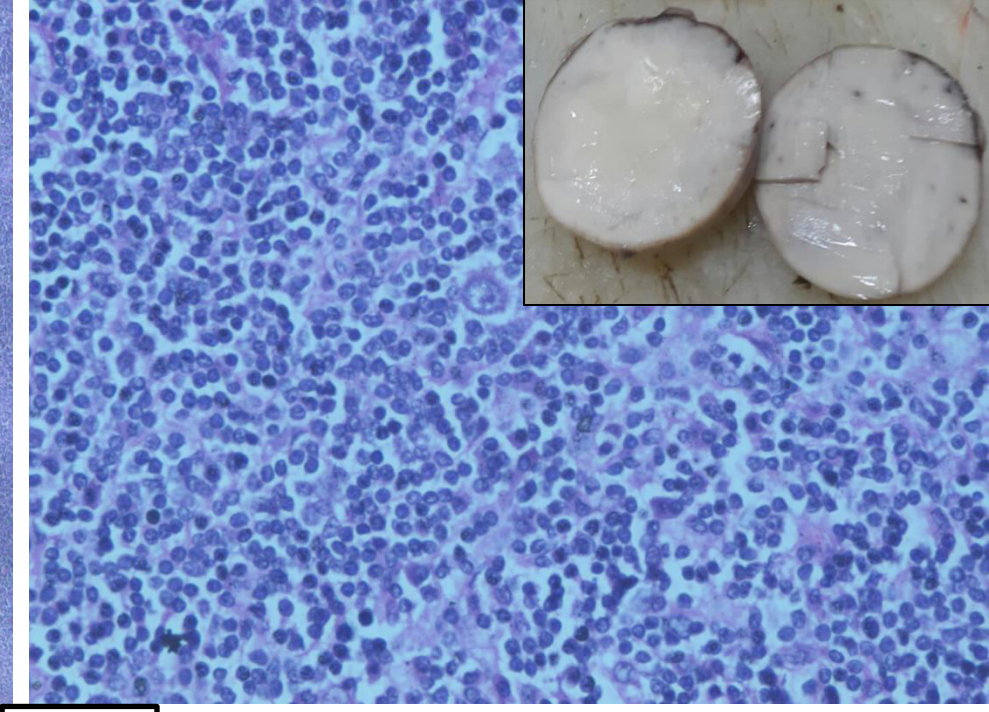
**RET**

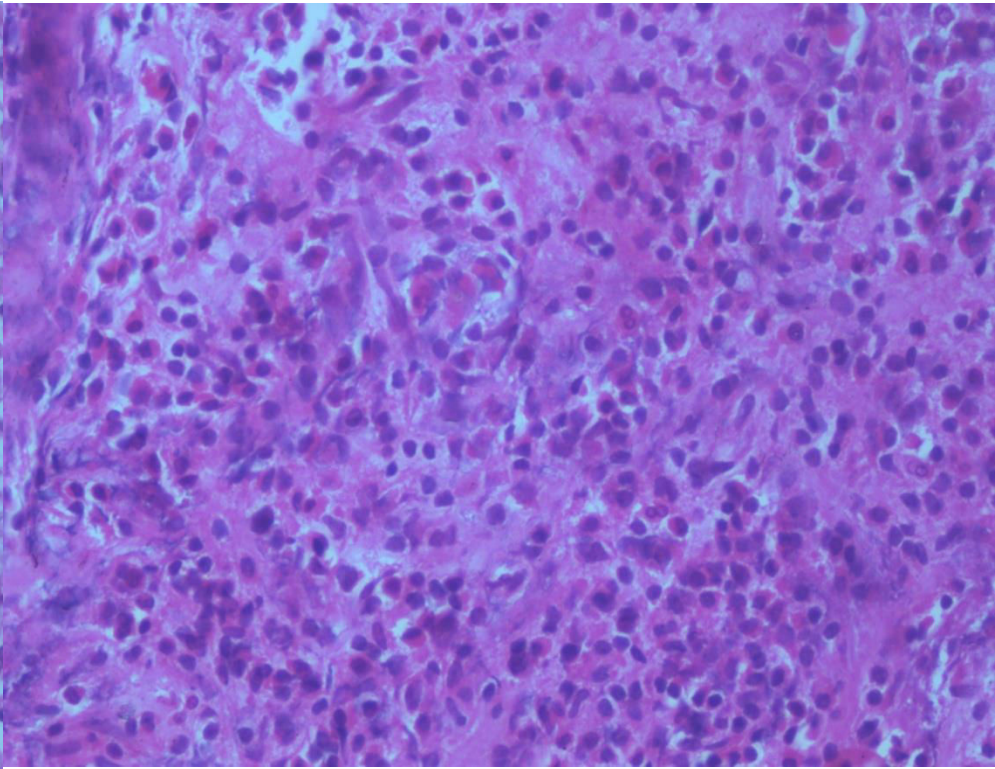
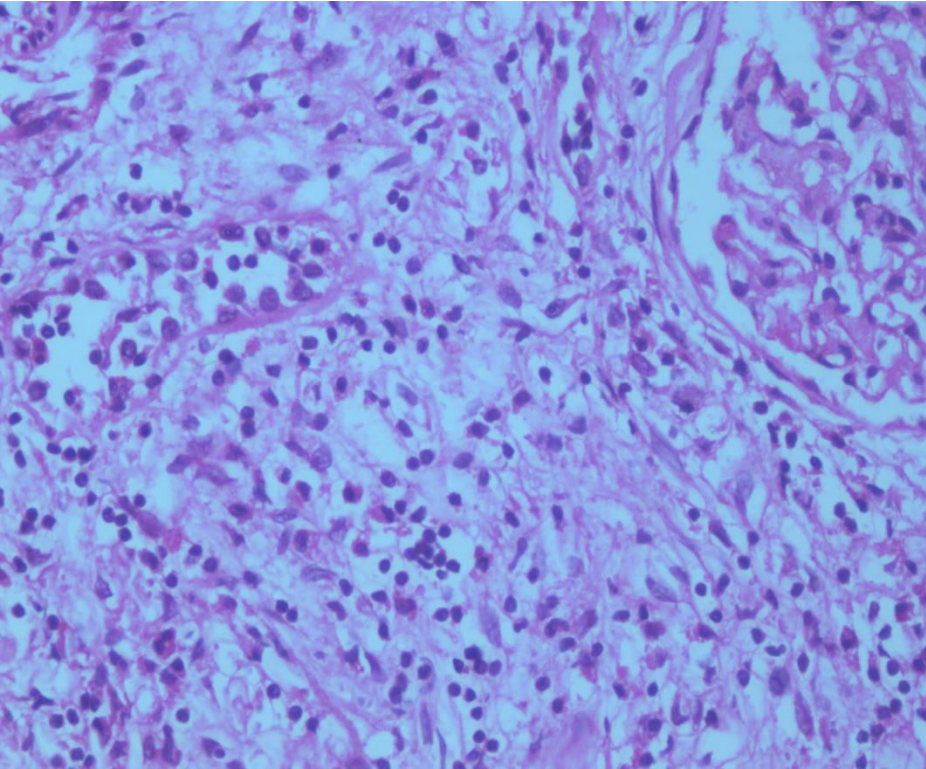
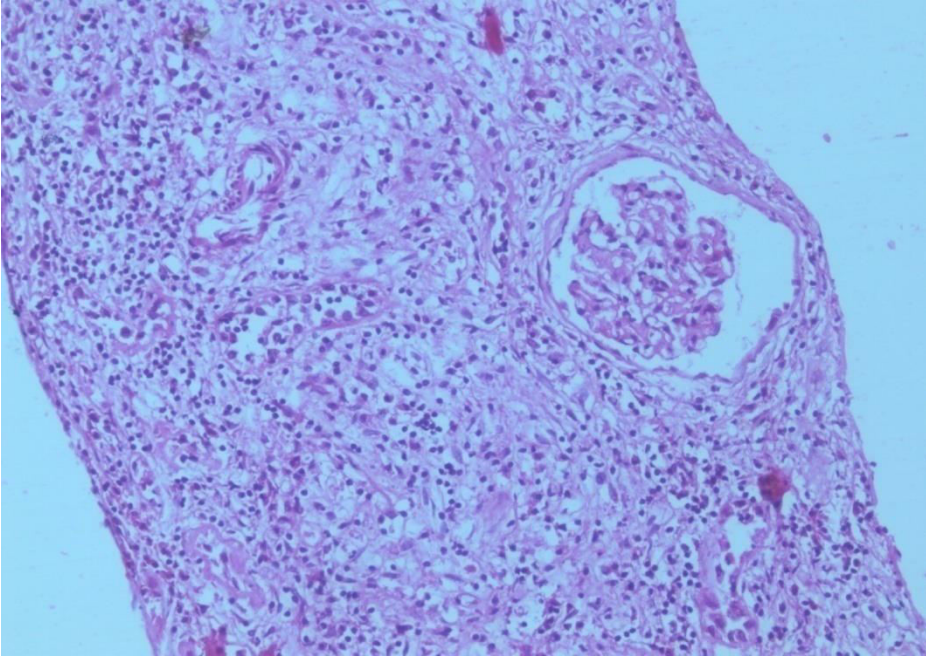


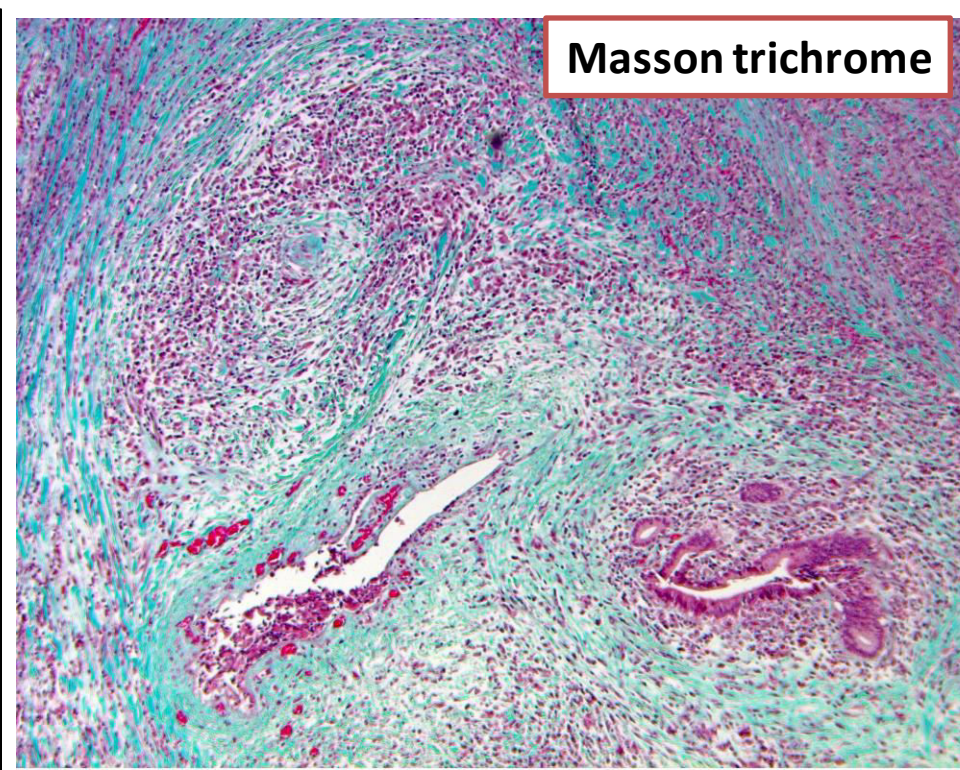
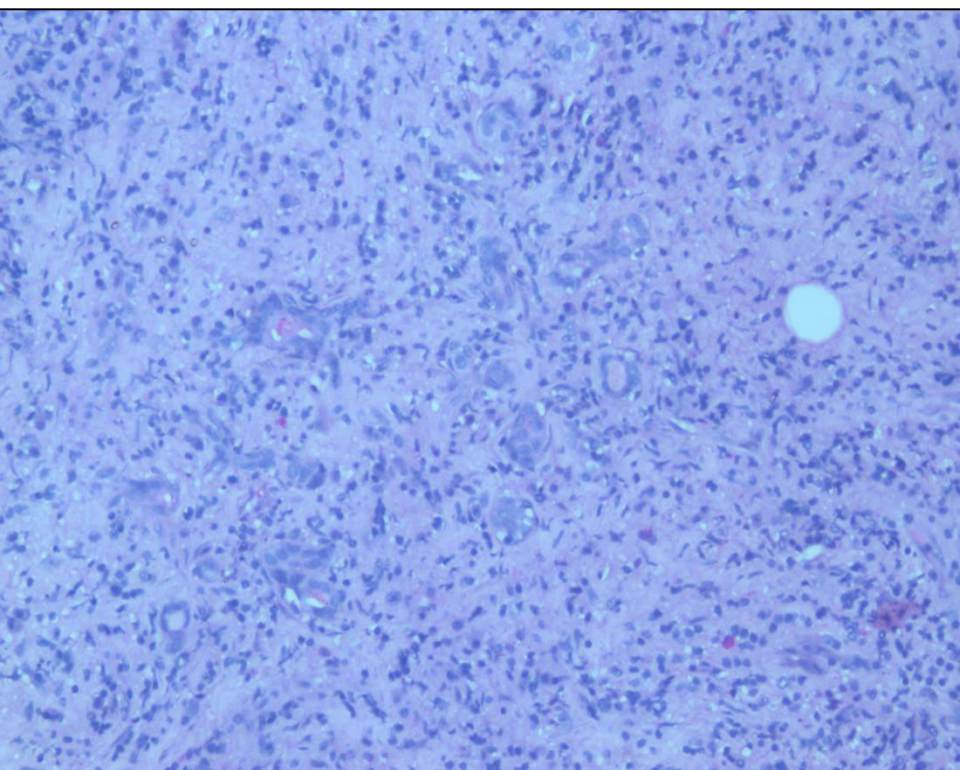
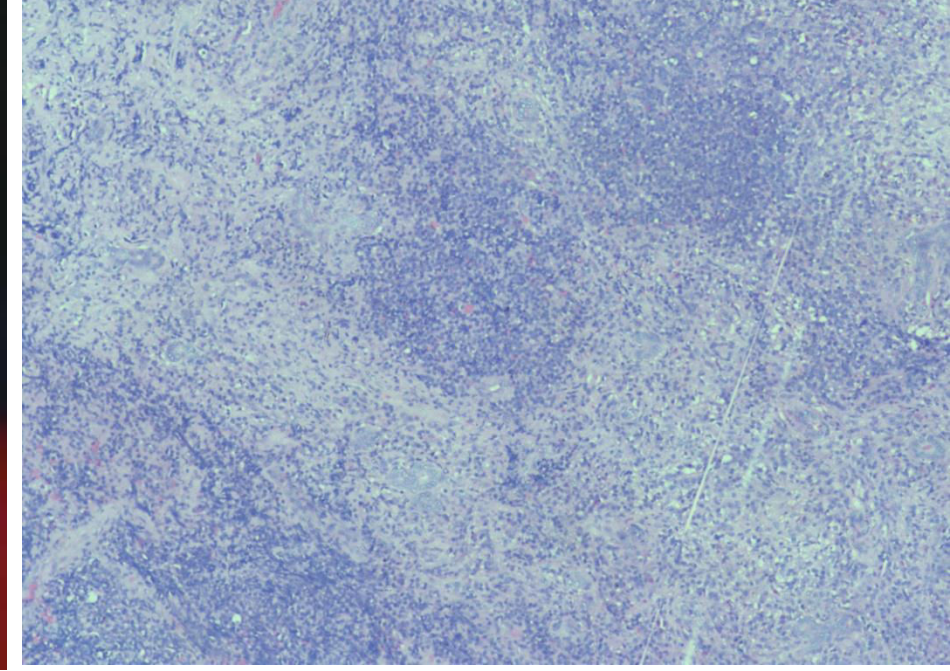
Hirschsprung disease

Resume connections

51 yr Female Bilateral axillary and cervical lymphadenopathy







Masson trichrome



**Interfollicular  
Plasmacytosis  
With  
immunoblastic  
proliferation**

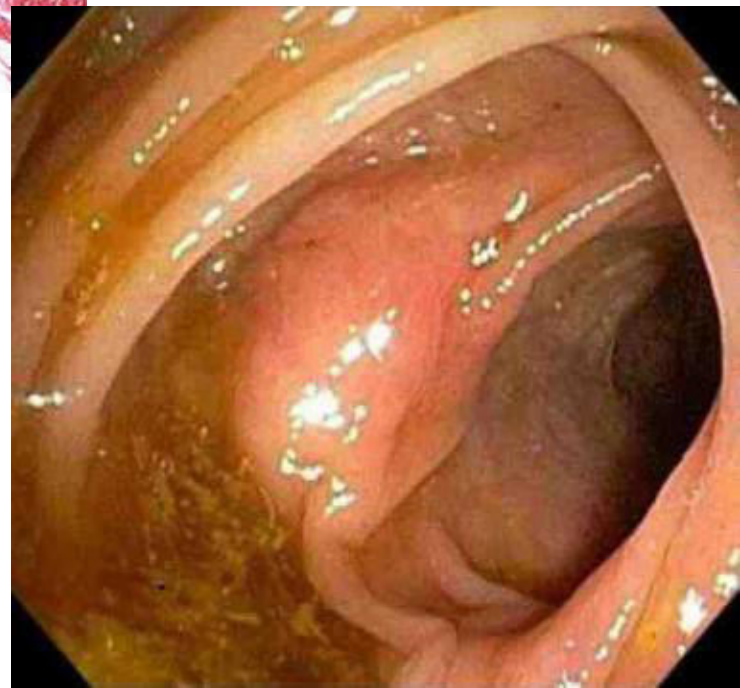
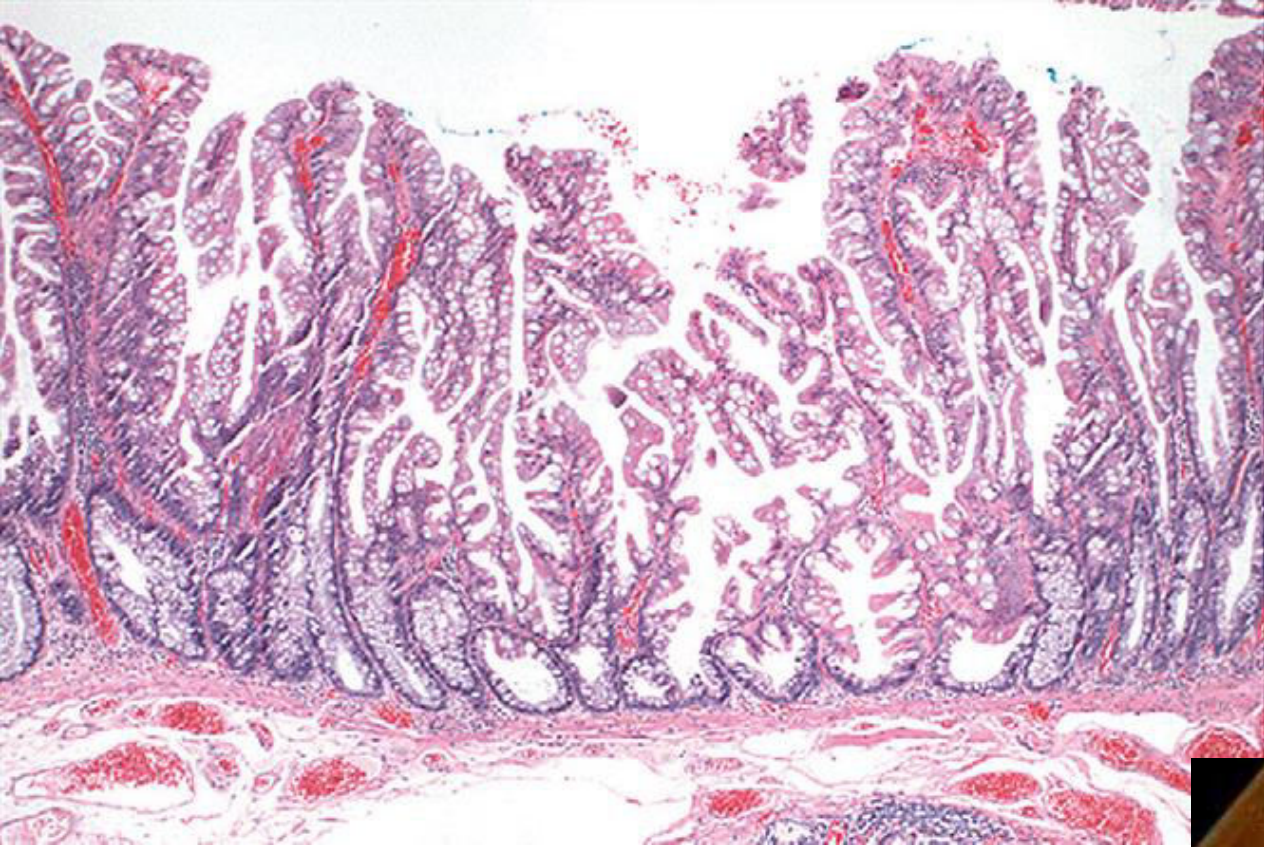
**Interstitial  
Nephritis**

**IGG4 RELATED  
DISEASE**

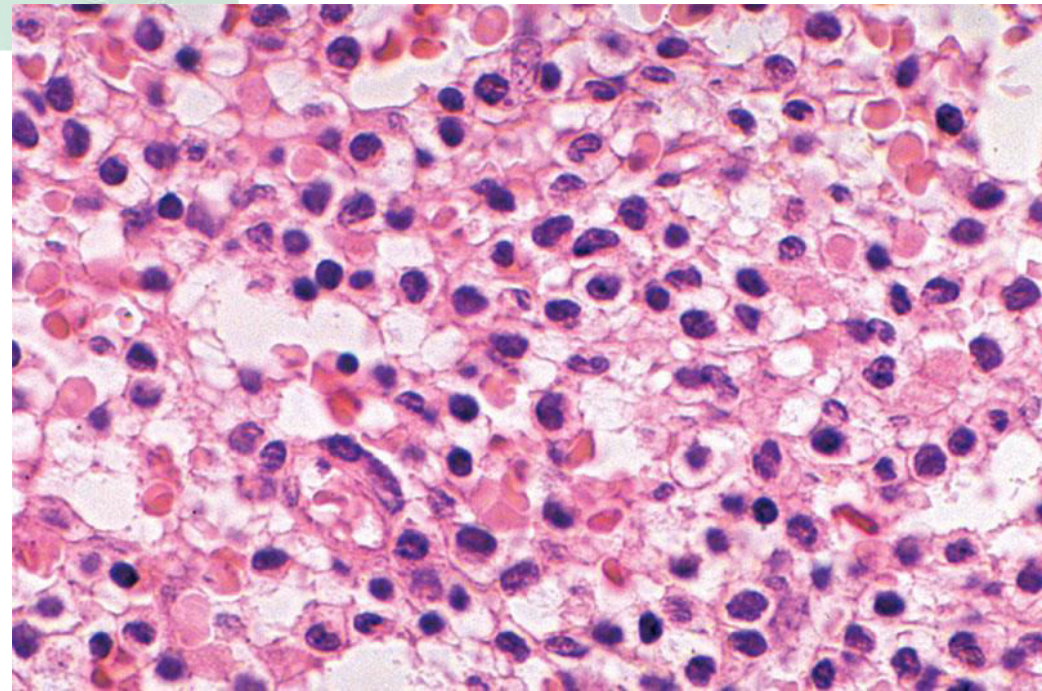
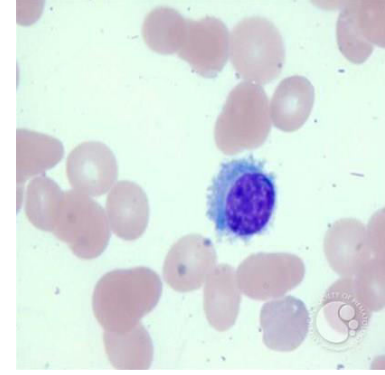
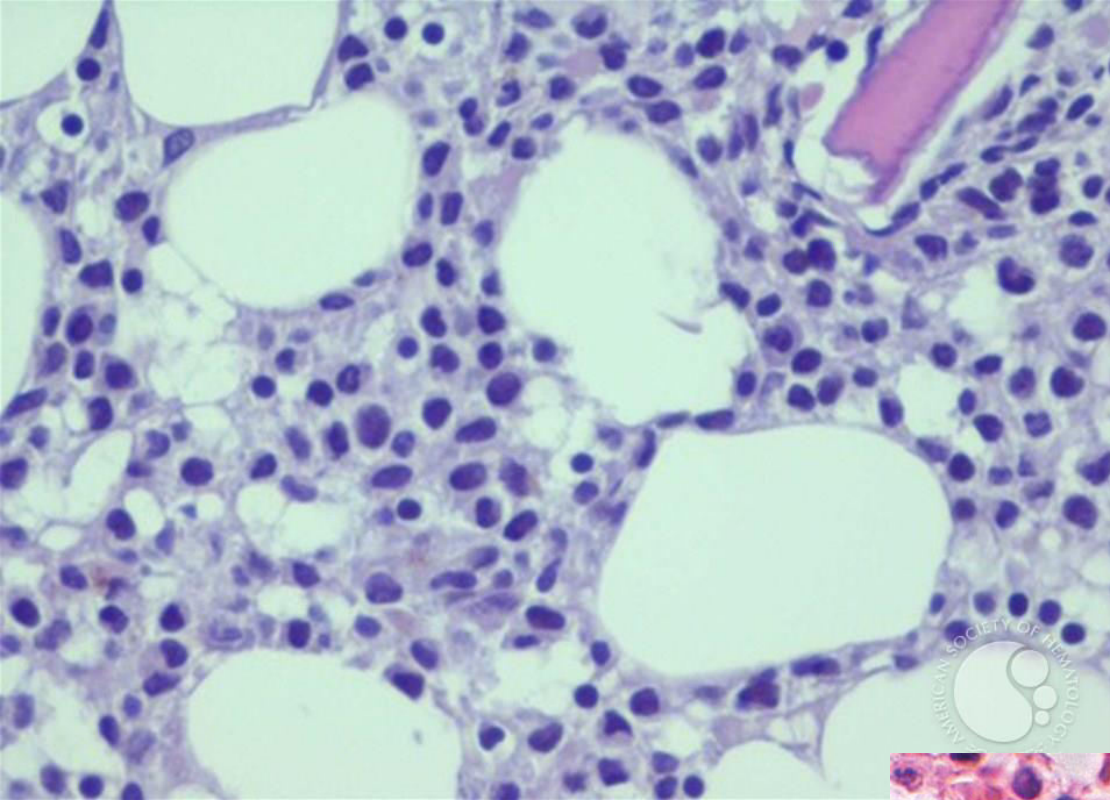
**Chronic sclerosing  
Pancreatitis**

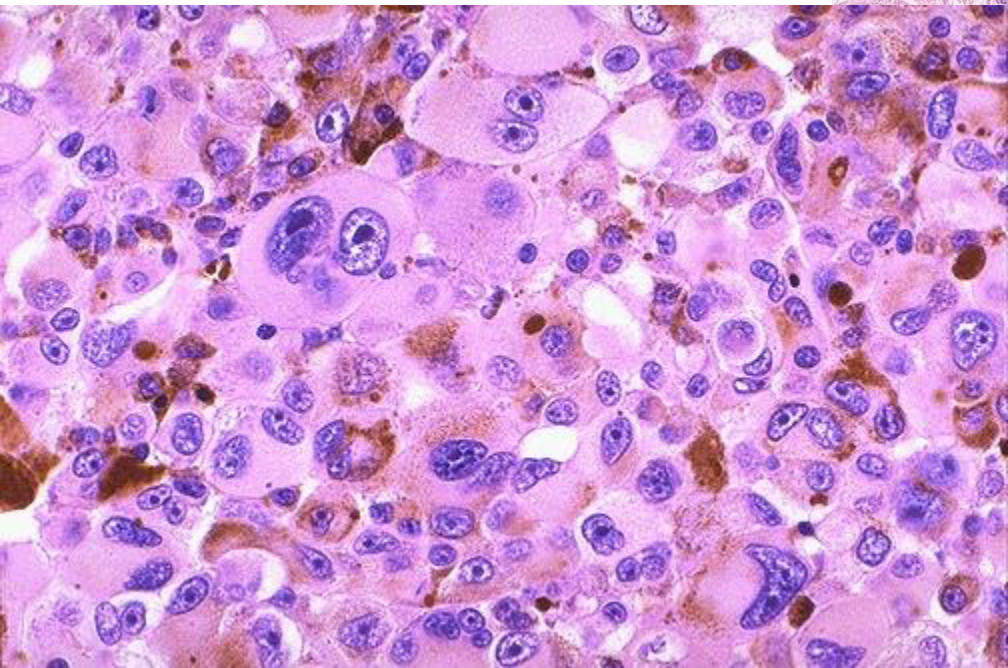
# AUDIENCE ROUND



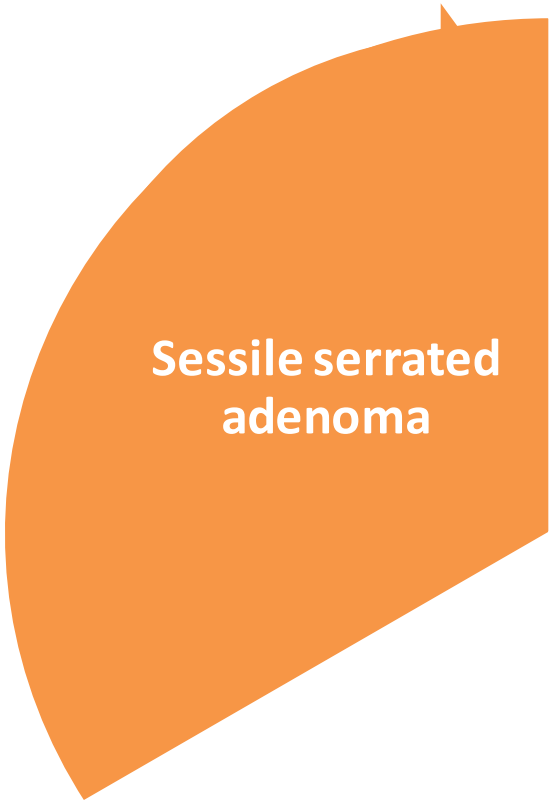




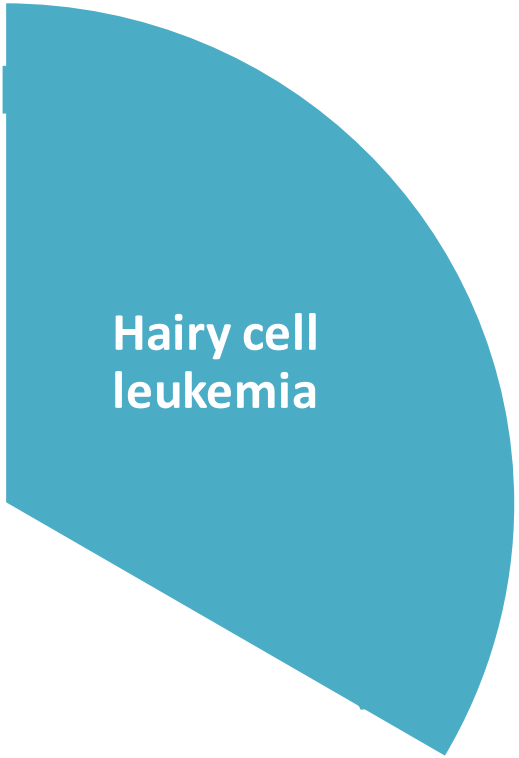






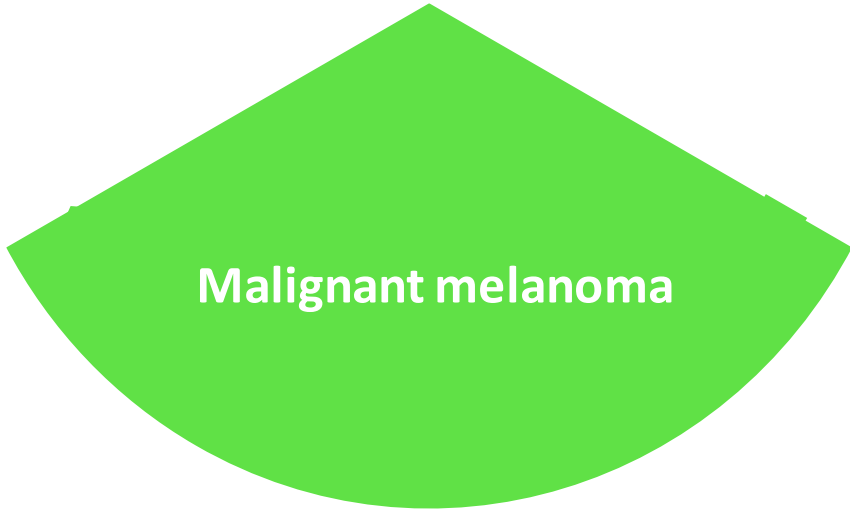


Sessile serrated  
adenoma



Hairy cell  
leukemia

**BRAF**

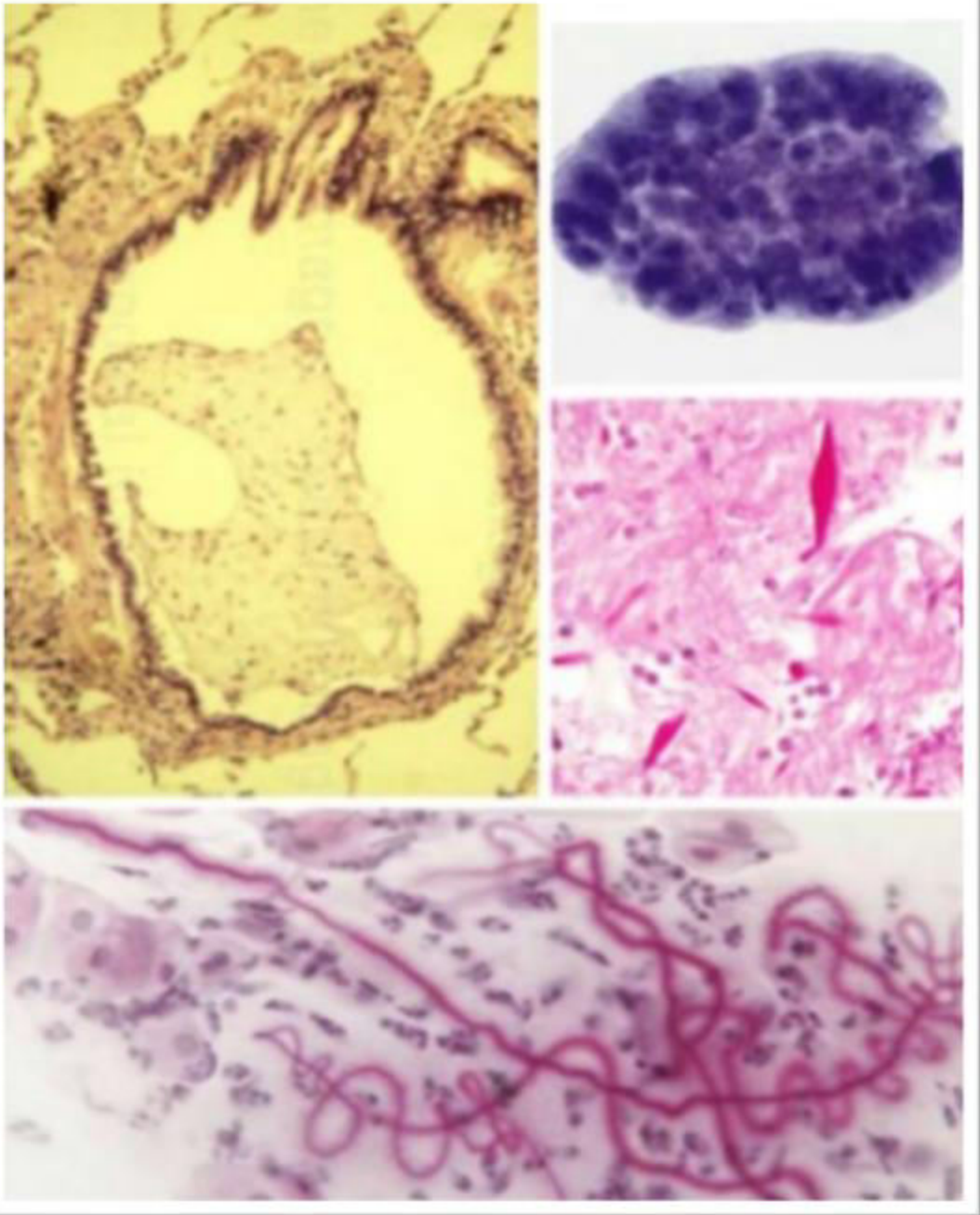


Malignant melanoma

Resume connections

## Round 2

(total 20 marks and for Pass 5marks)



**Connect**



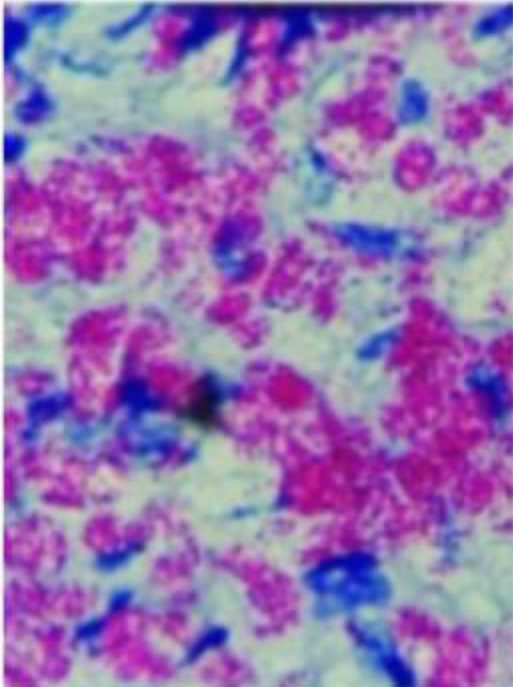
# ASTHMA

- Mucus Plug
- Creola Bodies
- Charcot -leyden crystals
- Curshmann spirals





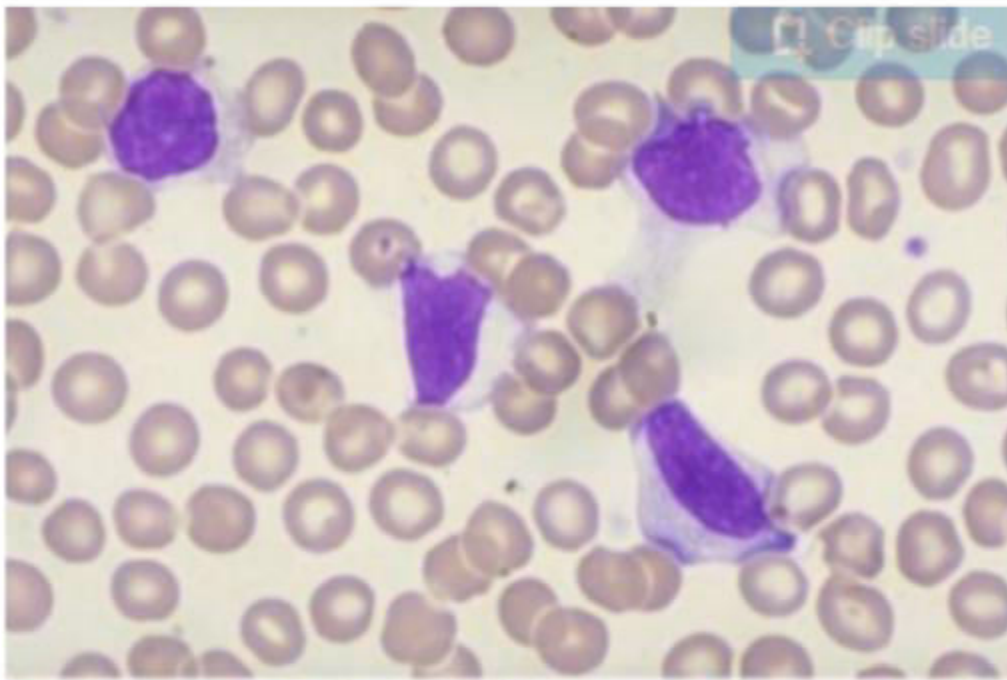
**Connect**





# Leprosy

- Claw hand
- Fites stain
- Leonine facies



Connect



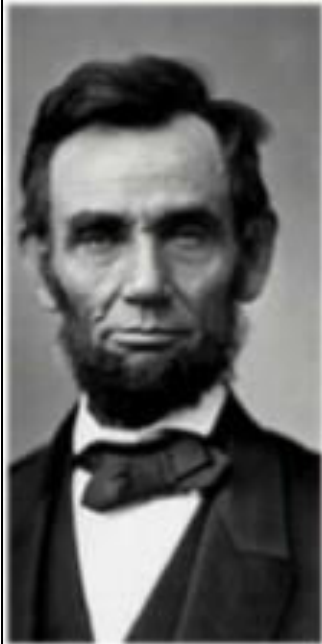


# All are EBV related

- Atypical lymphocytes
- Reed-Sternberg cells
- Burkitt's lymphoma



Connect

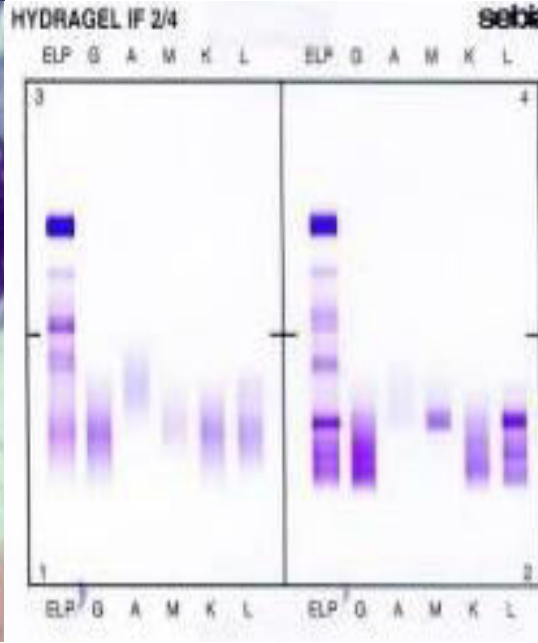
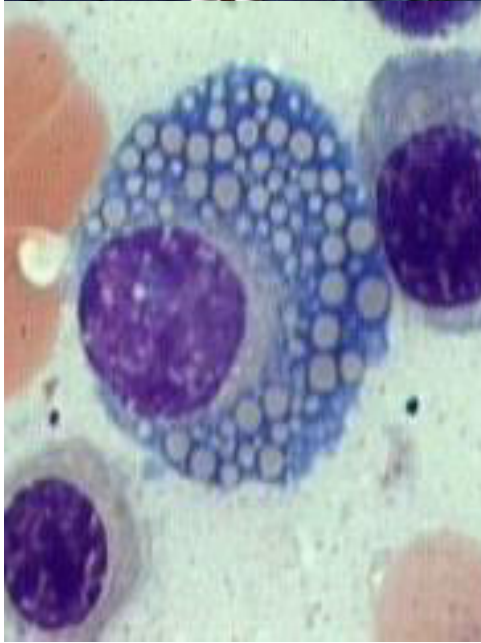






# MEB IIB

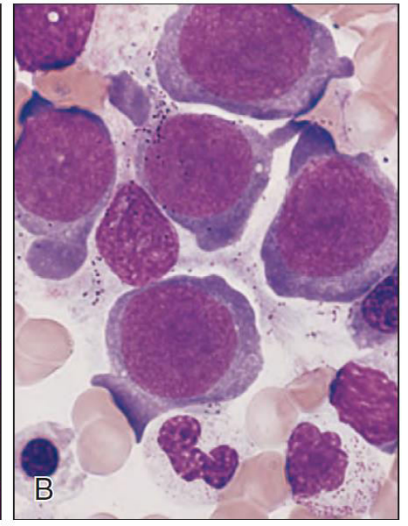
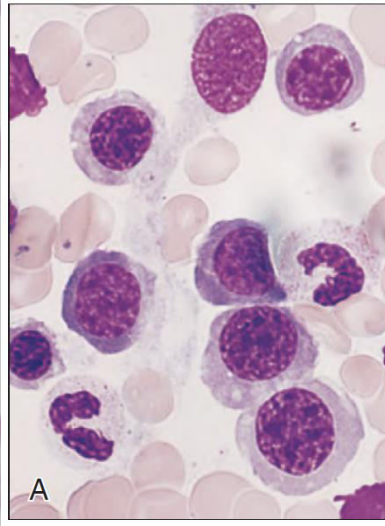
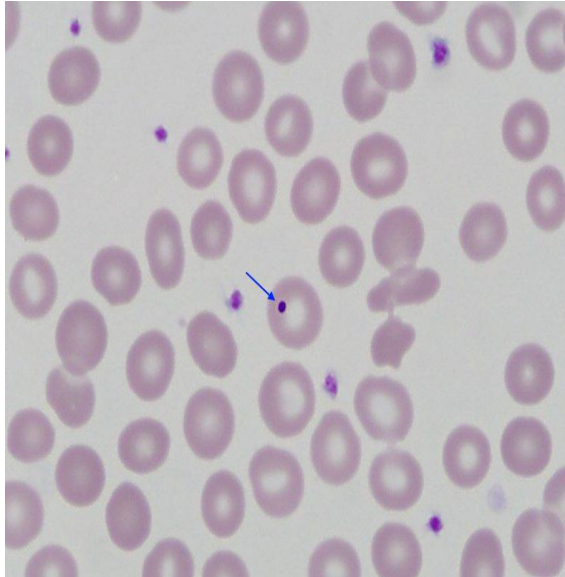
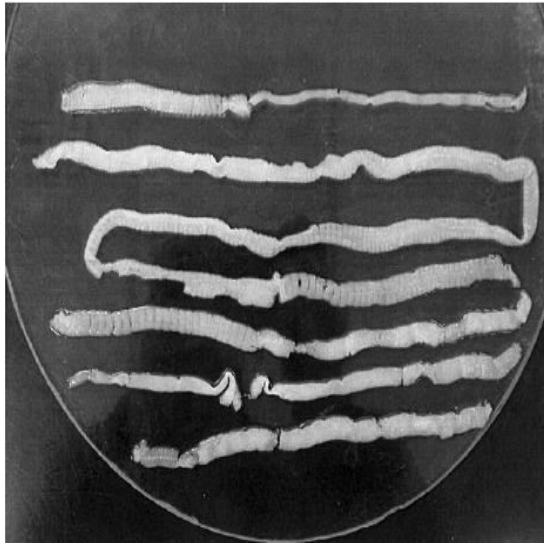
- Thyroid mass (medullary ca)
- Zellballen and chromaffin test (Pheochromocytoma)
- Abraham Lincoln (Marfanoid Status)





# Myeloma

- Vincent Rajkumar
- Rouleaux formation
- Mott cell
- Lambda restricted Electrophoresis

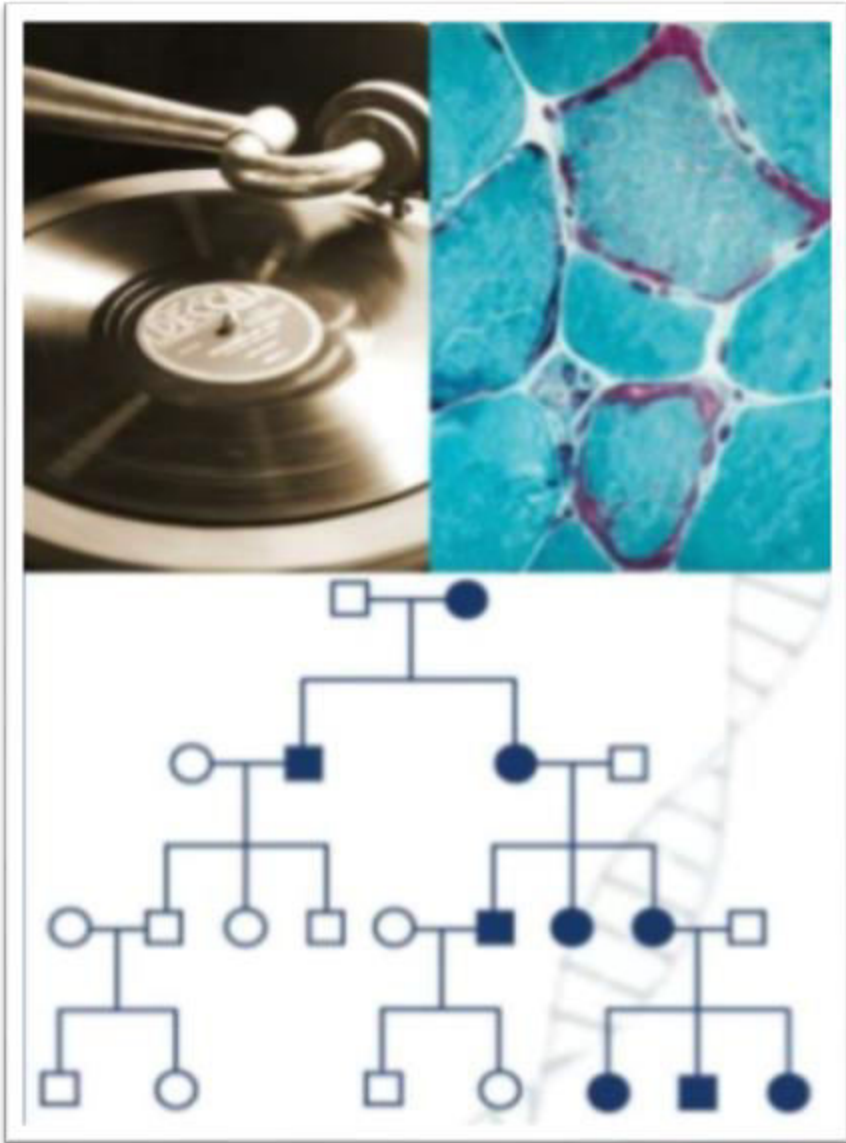




# Megaloblastic Anemia

- Diphylo Bothriolatum
- Sieve like appearance of Chromatin
- RBC inclusions
- Giant bandforms and metamyelocytes

# AUDIENCE ROUND







# Myoclonal Epilepsy with Red ragged fibers

- Phonograph record mitochondria
- Ragged Red fibers
- Mitochondrial Inheritance

# **RAPID FIRE**

**Round 5**

**90 seconds for each team**

**10x1=10**

# 1

- 1. Microscope was invented by-**
- 2. Name the ideal fixative for spleen-**
- 3. Specific translocation for synovial sarcoma is-**
- 4. Macrophage in Whipples disease stain for -**
- 5. Decoy cells are seen in infection by-**
- 6. Name the algorithm associated with DLBCL-**
- 7. NK cells are MHC restricted –true/false**
- 8. WHO grade for diffuse midline glioma is-**
- 9. Name the specific IHC marker for Alveolar soft part sarcoma -**
- 10. Latest edition of Wintrob's Clinical Hematology-**

1. Microscope was invented by- **Antonie Van Leeuwenhoek**
2. Name the ideal fixative for spleen- **Zenkers fixative**
3. Specific translocation for synovial sarcoma is-**t(X:18)**
4. Macrophage in Whipples disease stain for – **PAS stain**
5. Decoy cells are seen in infection by-**BK Polyoma virus**
6. Name the algorithm associated with DLBCL- **Hans Algorithm**
7. NK cells are MHC restricted –true/**false**
8. WHO grade for diffuse midline glioma is- **grade IV**
9. Name the specific IHC marker for Alveolar soft part sarcoma- **TFE3**
10. Latest edition of Wintrob's Clinical Hematology- **13<sup>th</sup> edition**

# 2

1. **Father of modern pathology-**
2. **Name the ideal fixative for electron microscopy:**
3. **Translocation for follicular lymphoma -**
4. **Special stain for Chromophobe RCC is-**
5. **Floating neurons is seen in -**
6. **Name the criteria used to assess severe Aplastic anemia–**
7. **Virus associated with Stomach carcinoma is EBV-true/false**
8. **Zap 70 positivity in CLL is a good/bad prognostic criteria?-**
9. **Name the Specific IHC marker for Chordoma –**
10. **Latest edition of Rosai and Ackerman surgical pathology-**

1. Father of modern pathology-**Rudolf Virchow**
2. Name the ideal fixative for electron microscopy: **2% Gluteraldehyde**
3. Translocation for follicular lymphoma – **t(14,18)**
4. Special stain for Chromophobe RCC is- **Hale's Colloidal Iron**
5. Floating neurons is seen in - **DNET**
6. Name the criteria used to assess severe Aplastic anemia–**Camitta criteria**
7. Virus associated with Stomach carcinoma is EBV-**true/false**
8. Zap 70 positivity in CLL is a good/bad prognostic criteria?- **bad prognosis**
9. Name the Specific IHC marker for Chordoma -: **Brachyury**
10. Latest edition of Rosai and Ackerman surgical pathology-**11<sup>th</sup> edition**

# 3

1. **Electron microscope was invented by-**
2. **Name the ideal fixative for IHC:**
3. **Molecular hallmark of oligodendroglioma is-**
4. **Special stain to detect spirochetes-**
5. **Miculicz cell is seen in -**
6. **Shimada criteria is used to classify:**
7. **Inheritance of Hereditary Spherocytosis can be Autosomal recessive –True/false**
8. **Cribriform pattern falls under which Gleason score-**
9. **Name the New Specific IHC marker for Synovial sarcoma -**
10. **Latest edition of Sternberg's diagnostic surgical pathology is-**



1. Electron microscope was invented by -**Ruska and Knoll**
2. Name the ideal fixative for IHC: **10% NB formalin**
3. Molecular hallmark of oligodendroglioma is- **1p19q co deletion**
4. Special stain to detect spirochetes- **Warthin starry sky**
5. Miculicz cell is seen in - **Rhinoscleroma**
6. Shimada criteria is used to classify: **Neuroblastoma**
7. Inheritance of Hereditary Spherocytosis can be Autosomal recessive –**True/false**
8. Cribriform pattern falls under which Gleason score- **Pattern 4**
9. Name the New Specific IHC marker for Synovial sarcoma –**TLE1**
10. Latest edition of Sternberg's diagnostic surgical pathology is- **6<sup>th</sup> edition**

# 4

- 1. Father of modern cytology is :**
- 2. Name the embedding media for electron microscopy:**
- 3. Most common translocation in Burkitt Lymphoma:**
- 4. Marshal Scarlet Blue stain detects :**
- 5. Spider cells are seen in :**
- 6. Child Pugh Score is a prognostic criteria for?**
- 7. Most common Paraneoplastic syndrome is SIADH-true/false :**
- 8. Pagets spread changes the T category in breast: True or false**
- 9. Name the new specific marker for Hemangiopericytoma of brain:**
- 10. Latest edition of Orell FNA cytology is :**

# 4

1. Father of modern cytology is : **Papanicolaou**
2. Name the embedding media for electron microscopy:  
**Epoxyresins**
3. Most common translocation in Burkitt Lymphoma-**t(8,14)**
4. Marshal Scarlet Blue stain detects : **Fibrin**
5. Spider cells are seen in :**Cardiac Rhabdomyoma**
6. Child Pugh Score is a prognostic criteria for? **Chronic liver disease (cirrhosis)**
7. Most common Paraneoplastic syndrome is SIADH-true/**false** :
8. Pagets spread in IDC breast changes the T stage : True or **false**.
9. Name the new specific IHC marker for hemangiopericytoma of brain: **STAT6**
10. Latest edition of Orell FNA cytology is : **5<sup>th</sup> edition**

# 5

1. DNA was discovered by :
2. Universal dehydrating agent is :
3. Most common translocation in Mantle cell lymphoma:
4. Name a special stain to detect Michaelis-Guttman body
5. Civatte body is seen in:
6. Name the scoring system for Adrenocortical carcinoma :
7. Small cell carcinoma of prostate is Gleasons pattern 5-true/false  
:
8. Raised ferritin levels in neuroblastoma is a good/bad prognostic sign:
9. New Specific IHC marker for Leiomyosarcoma:
10. Latest edition of Fletchers diagnostic histopathology of tumours-

1. DNA was discovered by : **Watson and Crick**
2. Universal dehydrating agent is : **Isopropyl Alcohol**
3. Most common translocation in Mantle cell lymphoma: **t(11,14)**
4. Name a special stain to detect Michaelis-Guttman body-  
**PAS/Von Kossa**
5. Civatte body is seen in: **Lichen planus**
6. Name the scoring system for Adrenocortical carcinoma :  
**Modified WEISS score**
7. Small cell carcinoma of prostate is Gleasons pattern 5-:  
true/**false** : Not graded as per updated scoring
8. Raised ferritin levels in neuroblastoma is a good/**bad** prognostic sign:
9. New Specific IHC marker for Leiomyosarcoma: **Caldesmon**
10. Latest edition of Fletchers diagnostic histopathology of tumours-**4<sup>th</sup> edition**

