

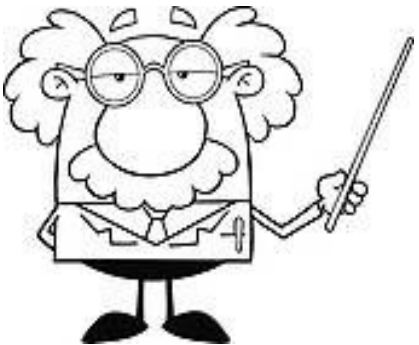
Practical Histology

Endocrine block

وَمَنْ يَتَوَكَّلْ عَلَى اللَّهِ فَهُوَ حَسْبُهُ

Things you need to know before the exam :

- The pictures in the exam will be the same as the ones included in the slides.
- Don't try to take short cuts during the exam so avoid using abbreviations so you don't lose marks.
- Please keep in mind that this work is done by students , so if there are any mistakes please inform us.
- This work is not by any means a reference.
- Please study hard and don't worry the exam will be easy!!



Thyroid gland

1- Identify the structure:

✓ **Thyroid follicle of Thyroid gland**

2- Mention the lining epithelium:

✓ Simple cuboidal epithelium

3- Mention the cells found in the thyroid glands

A. Follicular cells

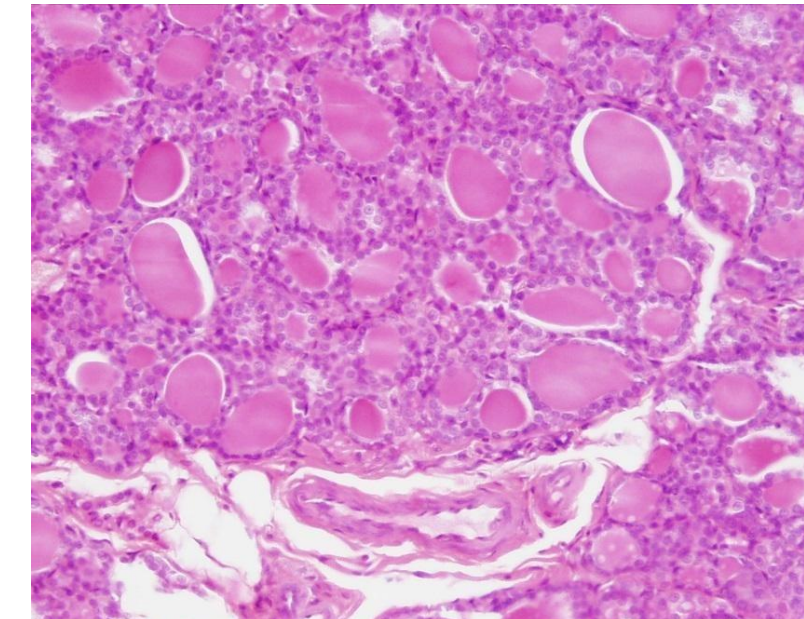
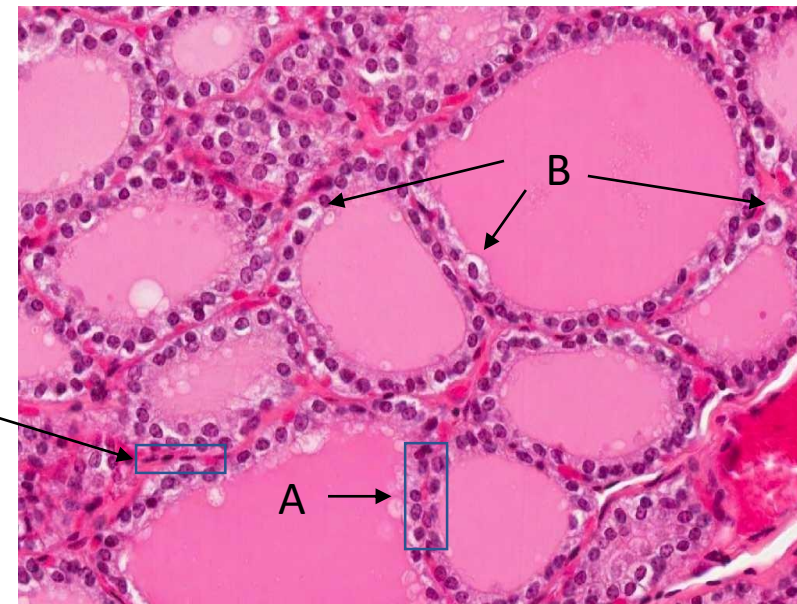
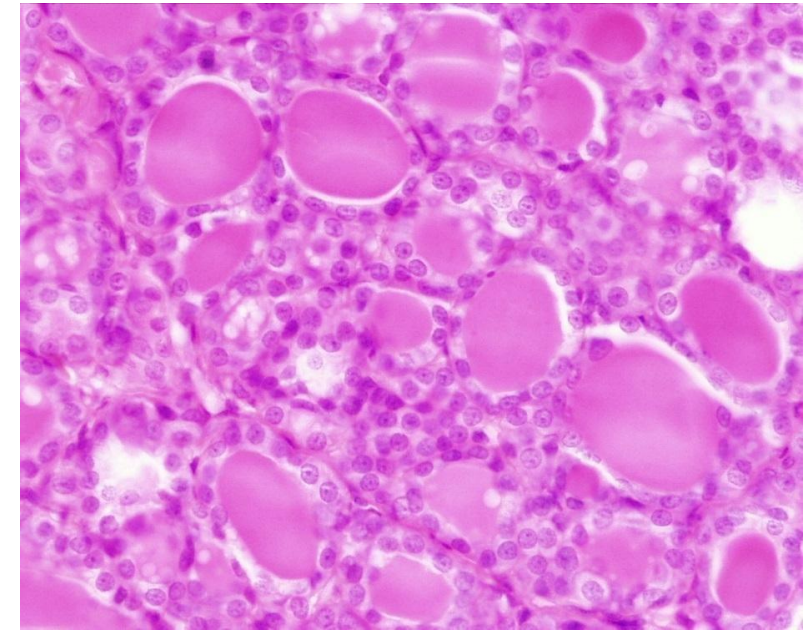
B. Parafollicular cells It has a white cytoplasm

4- what is the type of capillaries found in the thyroid gland?

✓ Fenestrated blood capillaries

5- Identify the structure marked by 'D':

✓ Acidophilic colloid material



Parathyroid gland

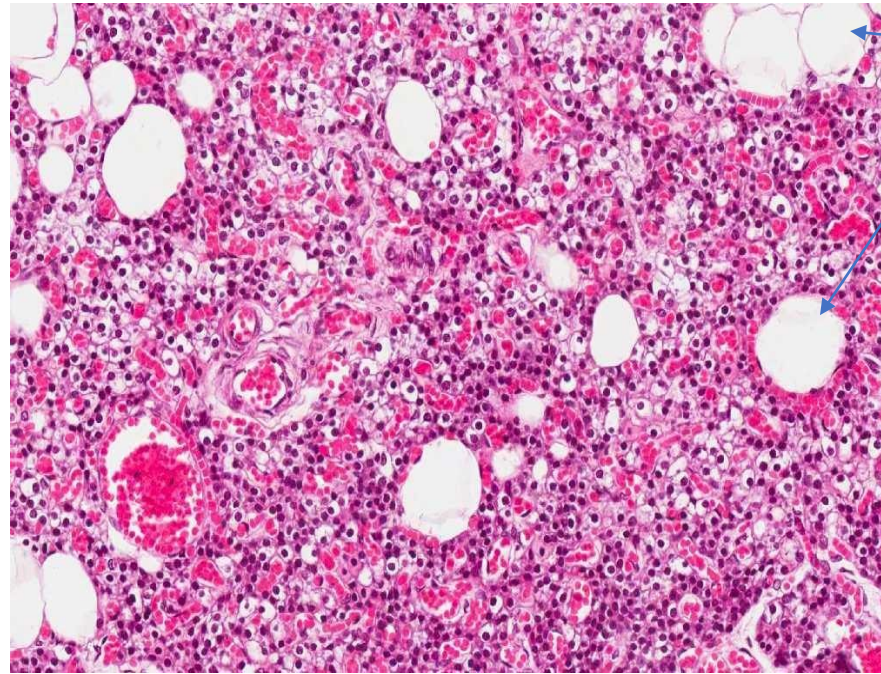
1- Identify the structure:

✓ Parathyroid gland

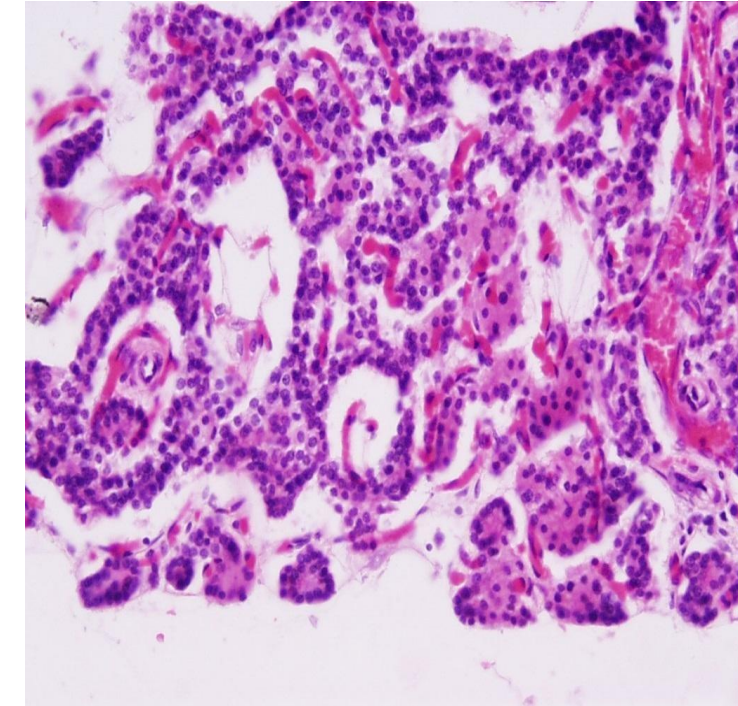
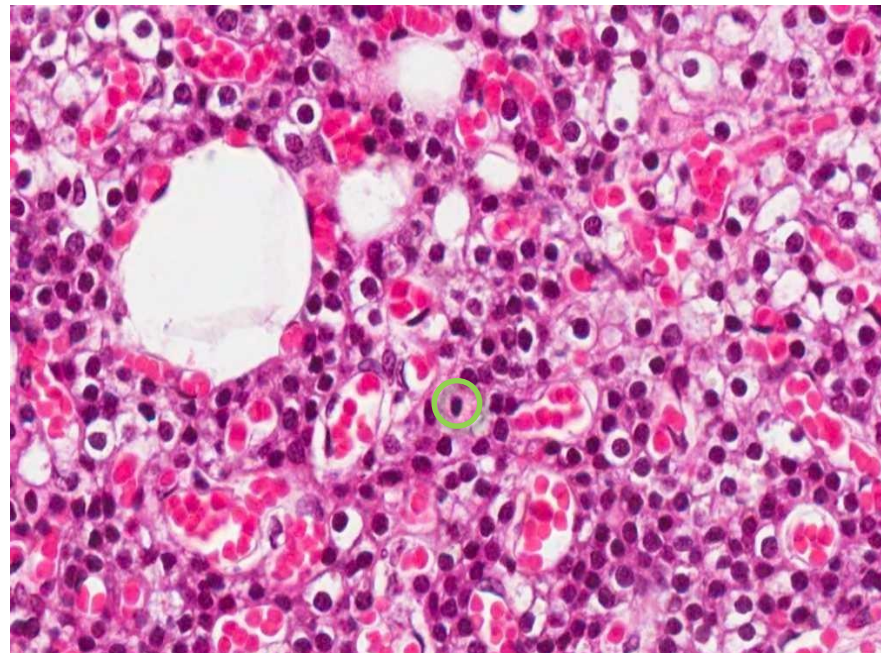
2- Mention the cells found in the parathyroid glands

A. Chief cells

B. Oxyphil cells



Adipocytes



Adrenal gland

1-Identify the structure:

✓ Adrenal gland

2- Identify A and B

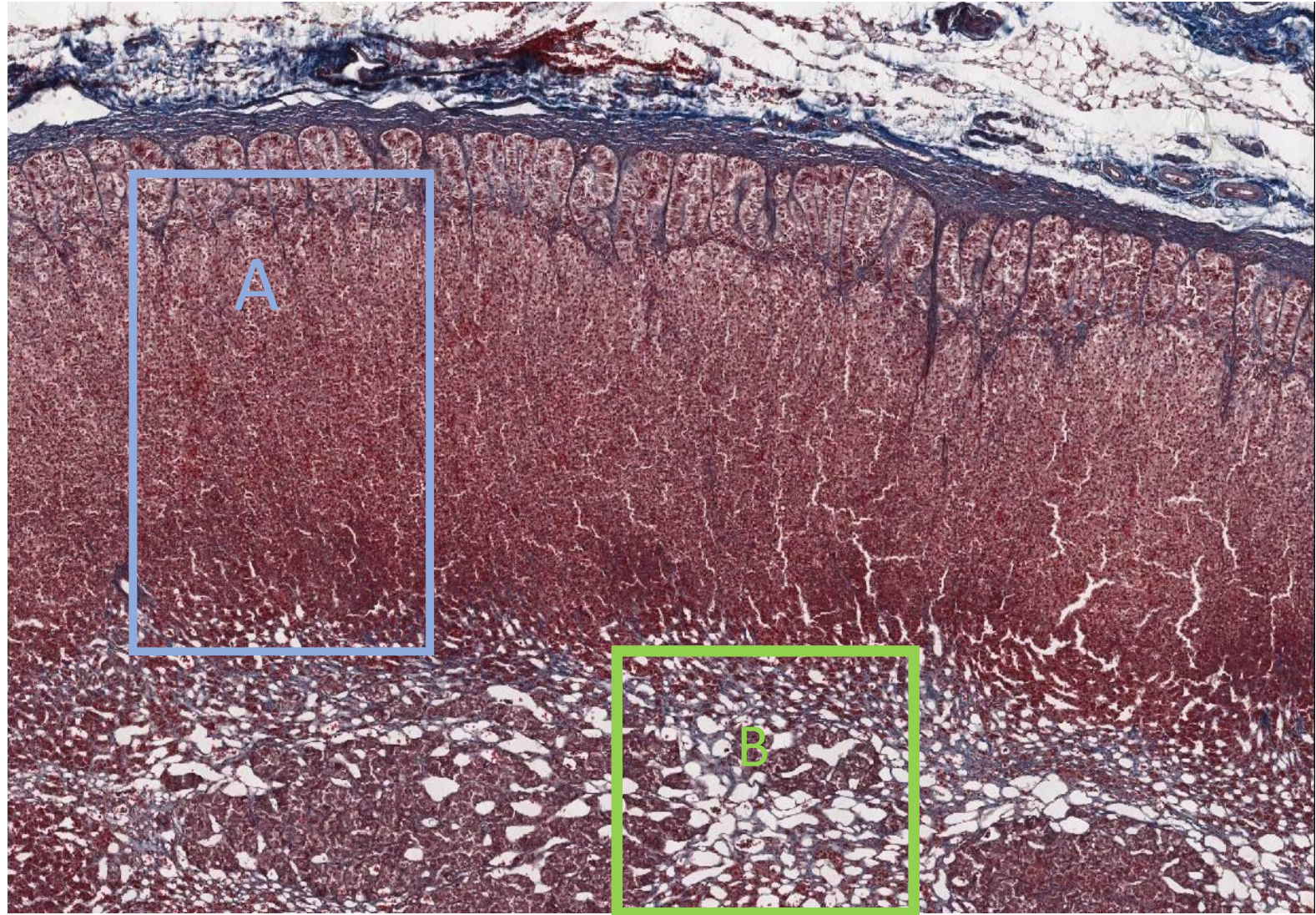
A. Adrenal cortex

B. Adrenal medulla

3- Mention the cells found in B (medulla)

✓ Chromaffin cells

✓ Sympathetic ganglion cells



Adrenal Cortex

1-Identify the structure:

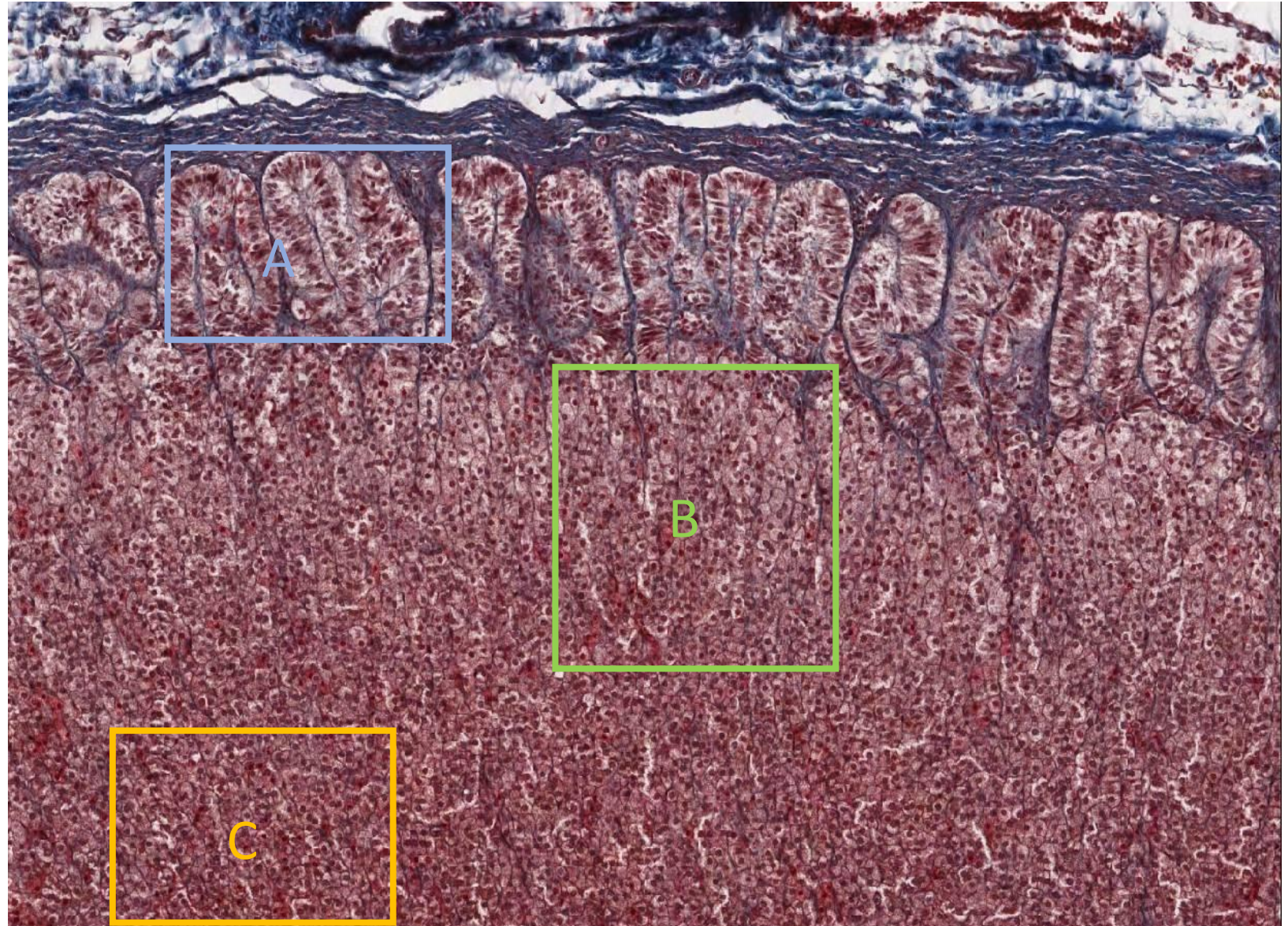
✓ Adrenal cortex

2- Identify A ,B and C

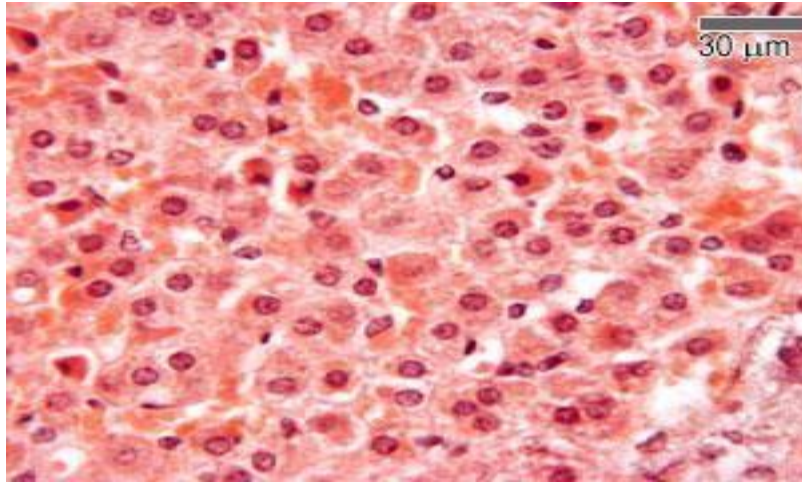
A. Zona glomerulosa

B. Zona fasciculata

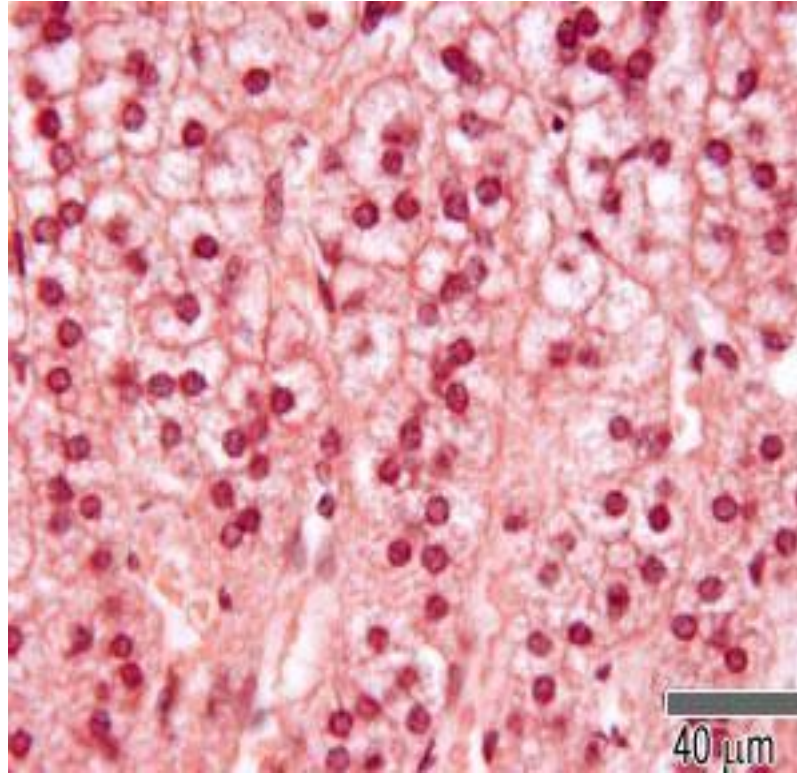
C. Zona reticularis



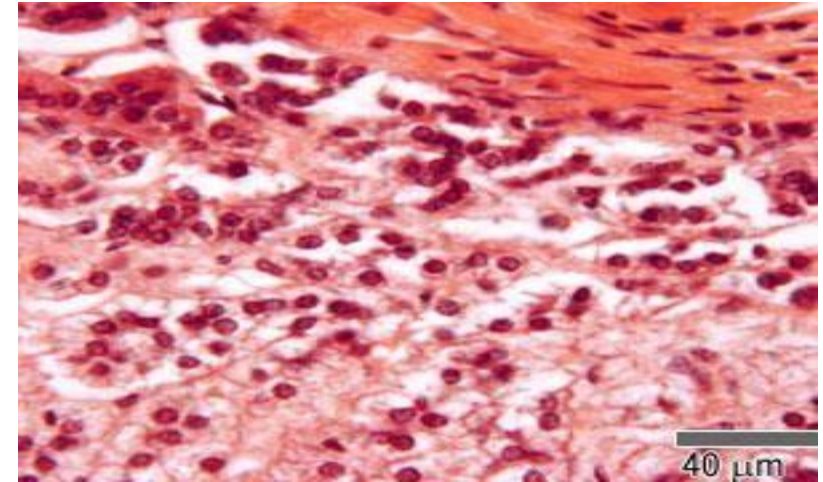
Adrenal Gland-Cortex



Zona reticularis

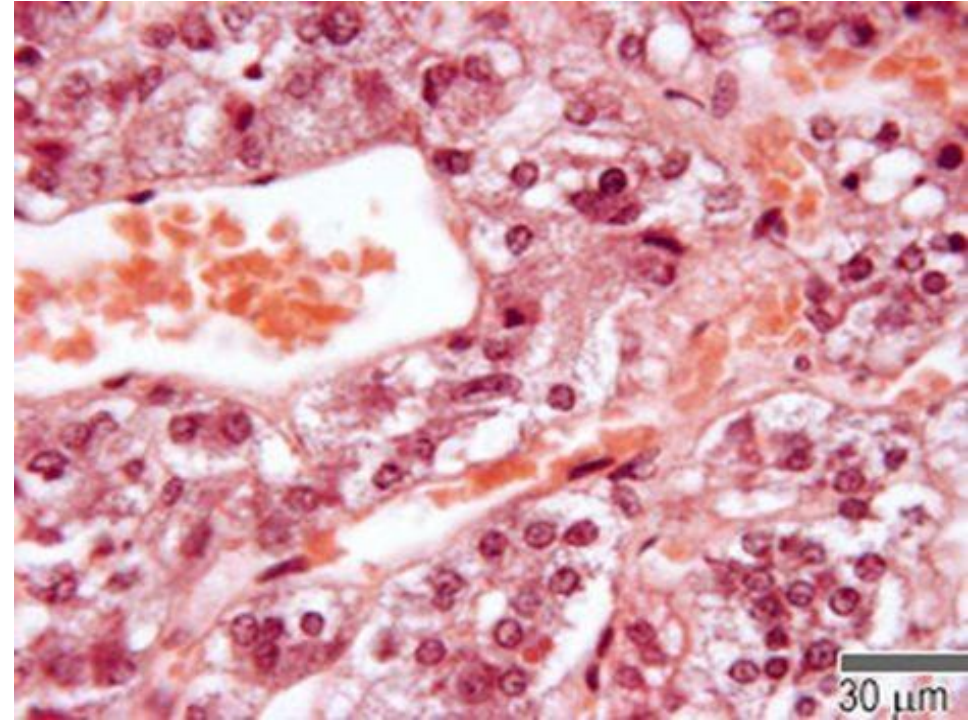
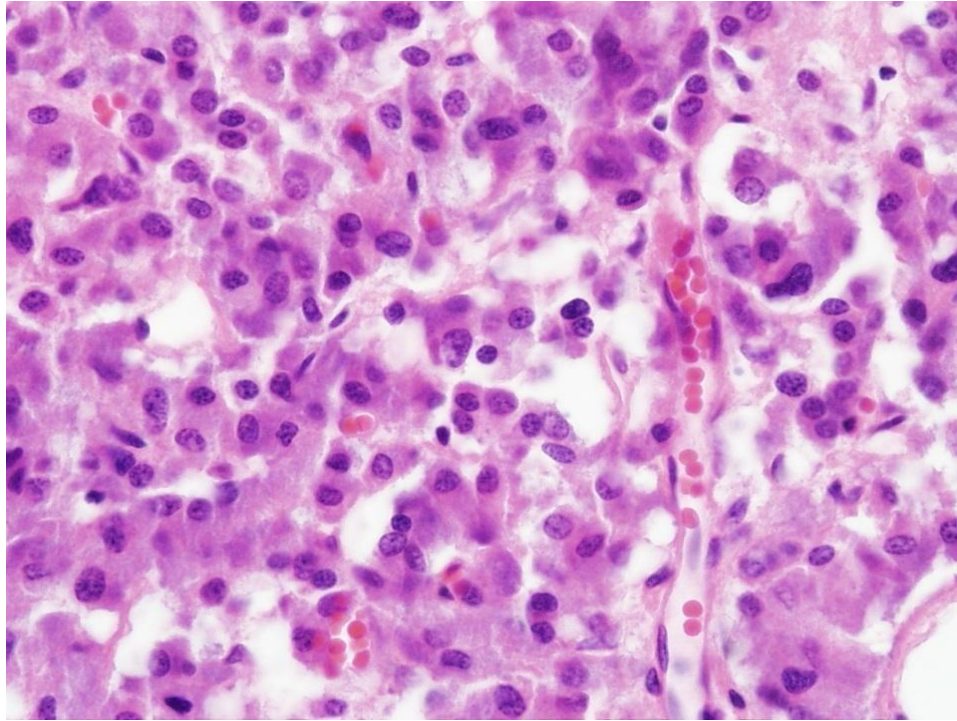


Zona fasciculata



Zona glomerulosa

Adrenal medulla





Thank you & good luck

- Histology team

Team leaders:

- ✓ Rana Barasain
- ✓ Faisal Alrabaii

