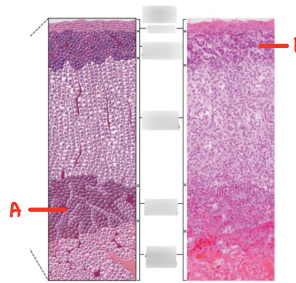


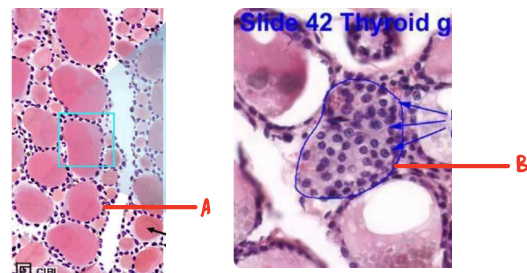
1) OSPE - 15 Stations (15 Marks)

2 Histology:-

- 1-
A- Mention the name of the layer?
Zona Reticularis
B- What hormone is secreted from this layer(B)?
Mineralocorticoids (Aldosterone)



- 2-
A- What's the lining epithelium ?
Simple cuboidal
B- What's the name of the pointed cells?
Parafollicular/ C cells



3 Medicine:-

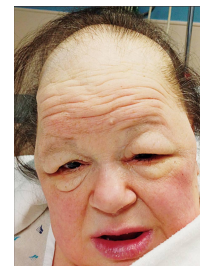
- 1- Patient with DM came with this(see the picture)
A- What is the complication in the lower limb edema?
nephropathy complication (nephrotic syndrome)
B- what will you find in urine analysis ?
- macroalbuminuria 3.5gm
- Glucosuria



- 2- Patient came with history of DM and hypertension (see pic)
A. Describe 2 features in the picture?
Trunkal obesity - Abdominal Striae
B. What's the diagnosis?
Cushing



- 3- Patient came with sleepiness, cold intolerance, weight gain, decreased mental status (see the picture)
A. What's the diagnosis ?
Hypothyroidism
B. What are the Investigations to confirm the diagnosis ?
Free T3 , T4 , TSH



● 3 Pediatric:-

1- 12 year old Patient with fatigue and dizziness for 1 month (see pic)

A- What's the most probable diagnosis?

Addison

B- What's the investigation asked?

Cortisol , ACTH, Glucose level , Sodium and potassium in the blood



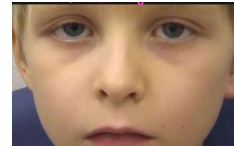
2- Patient with polyuria and polydipsia (see pic)

A. what's the symptoms in this pictures?

Sunken eye, loss of skin turgor

B. Two differential diagnosis for polyuria and polydipsia?

DM, Diabetes insipidus



3- A patient complaining of bowing of the legs, this is the radiological picture (see pic)

A. What's the finding in the picture ?

Cupping and Fraying , Osteopenia

B. What's the diagnosis ?

Rickets



● 1 Radiology:-

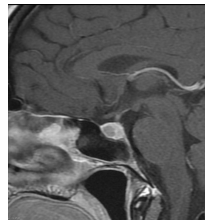
1-

A. what is your diagnosis (see pic)?

microadenoma

B. Name the pointed structure?

pons



● 4 Pathology:-

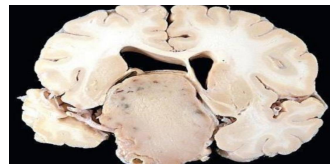
1- (see the pic)

A. what's the diagnosis ?

Macroadenoma

B. Mention 3 complication?

Sellar expansion - Bony erosion - Visual defect



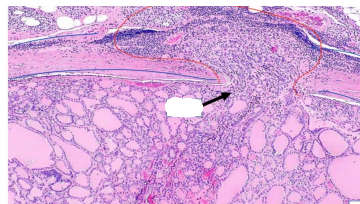
2- (see the pic)

A. what is your diagnosis?

Follicular carcinoma

B. Pointed arrow?

Capsular invasion



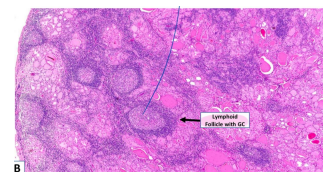
3- (see the pic)

A. What is your diagnosis?

Hashimoto thyroiditis

B. What the complications?

B cell non- hodgkin lymphoma, Papillary carcinoma, Other autoimmune disease



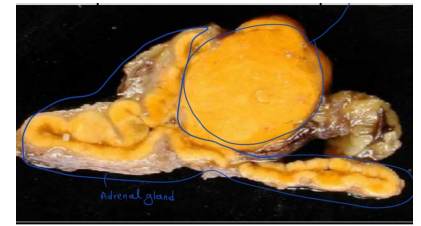
4- (see the pic)

A. What is your diagnosis?

Adrenocortical adenoma

B. Gross picture ?

Yellow in color, Well defined, No hemorrhage or necrosis, Capsulated



2 Clinical Pathology:-

1- What is your diagnosis?

Uncontrolled DM



Oral Glucose Tolerance Test (OGTT)			
Test	Result		Reference Range
Fasting plasma glucose	200 mg/dL	↑	< 100 mg/dL
Fasting glucose in urine	++	+	Nil
After 2h Plasma glucose	360 mg/dL	↑	< 140 mg/dL
After 2h glucose in urine	+++	+	Nil
HbA1c	10.3%	↑	4.5-6.5%
Comment: _____			
Signature _____			

2- What is your diagnosis?

Graves' disease



Thyroid function tests			
Test	Result		Reference Range
Free T3	7 µg/mL	↑	2.3 - 4.1 µg/mL
Free T4	5 ng/dL	↑	0.9 - 1.7 ng/dL
TSH	0.05 mIU/mL	↓	0.40 - 4.50 mIU/mL
Comment: Patient is positive for TSHRAb			
What is your diagnosis? Graves' disease			
Signature _____			

2) OSCE - 5 Stations (10 Marks)

3 Anatomy:-

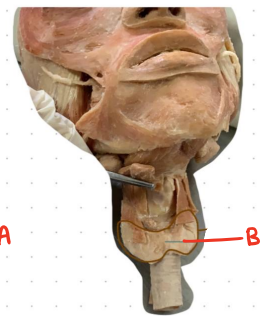
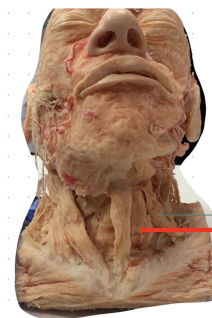
1-

A- Mention the nerve supply of the pointed structure ?

Ansa cervicalis

B- Mention the surface anatomy of the pointed structure ?

in front of 2-4 tracheal rings



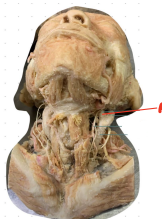
2-

A- Identify the pointed structure?

External Carotid Artery

B- Identify the pointed structure ?

Cervical Sympathetic Trunk



3-

A- What's the pointed structure ?

Hypophyseal fossa in sella turcica

B- Mention two tributaries of the pointed structure ?

left gonadal vein - Left supra renal vein

