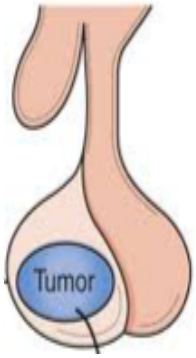
Chapter 17
Pituitary disorders

Hyperprolactinemia

Definition - ..... level of prolactin

Etiopathogenesis-

1.



2.

Hypothalamus

Pituitary

Prolactin

3

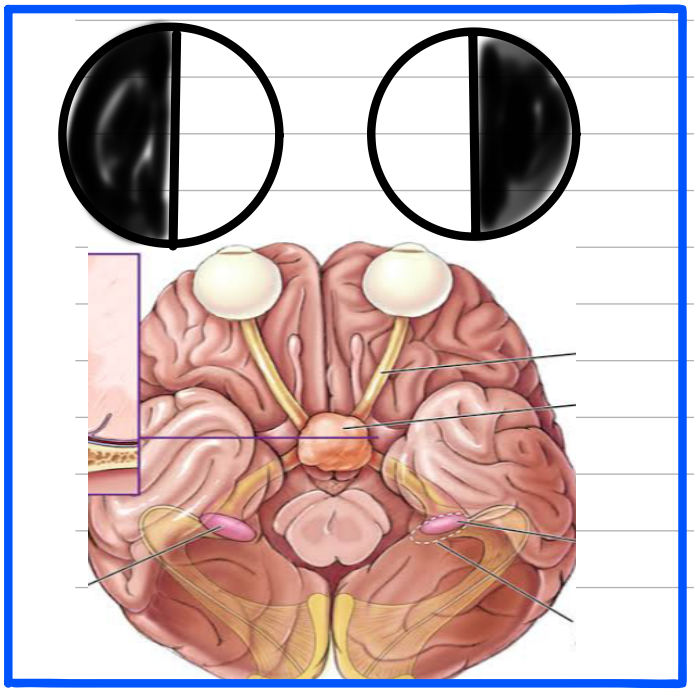
Hypothalamus

Pituitary

C/f- increased prolactin - 1.

2.

3.



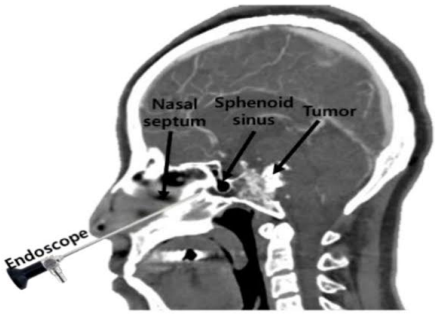
screening test -

IOC -

Rx- 1.

2. In pregenancy

3. If compression symptom-



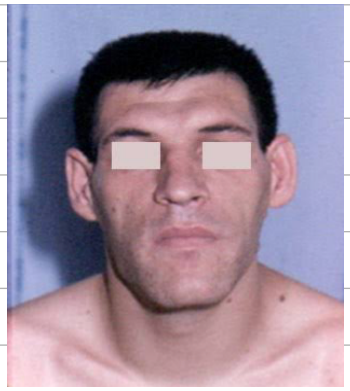
Acromegaly

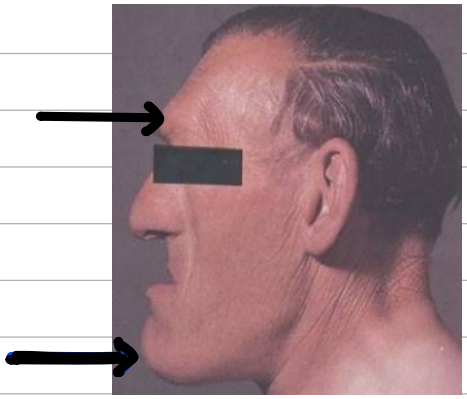
Definition -

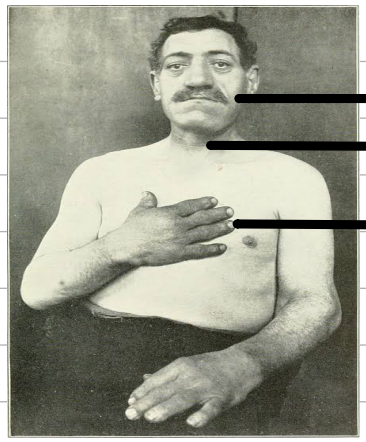
- Increase in GH before puberty is called as -

Clinicopathogenesis

Increased GH - ..... Somatomedins -





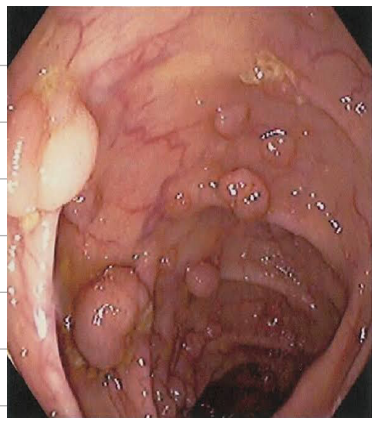


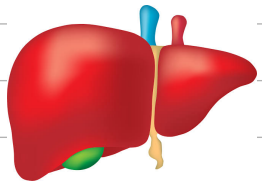
Facial feature

Voice

Hand and ring size

Hands looks like .....



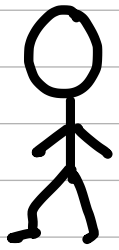
↑ GH →  →

→ 



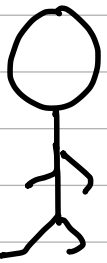
1981 1982 1983 1984

- Screening test of choice -
- Confirmatory test-



GH LEVEL

50 gm of oral glucose



GH level

For size of tumor →

Rx- if resectable tumor -

If non-resectable - initial treatment -

Best drug -

Extra point

Xray foot



GH receptor anomaly

↓

SIADH → Syndrome of inappropriate secretion of antidiuretic harmone (ADH)

Etiology - H

E

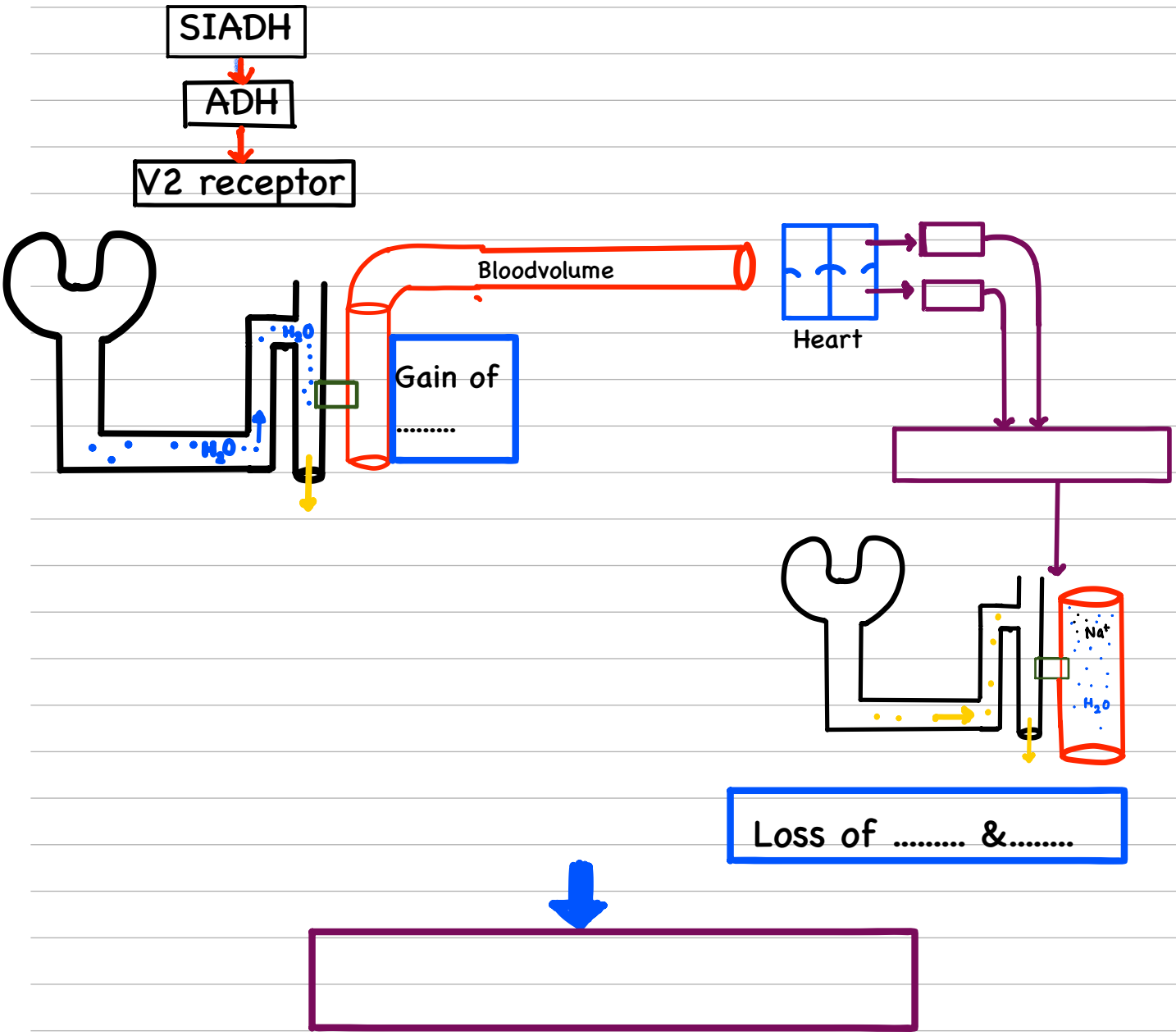
L

D

Physiology fact

* ADH is secreted from .... acts on .....receptor in collecting tubles of nephron and opens ..... channels which leads to.....water absorption from.....

Pathogenesis



ANP- atrial natriuretic peptide
BNP- brain natriuretic peptide

C/f -

Investigation -

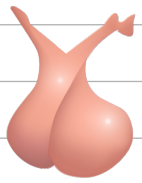
urine osmolarity ...

Plasma osmolarity ...

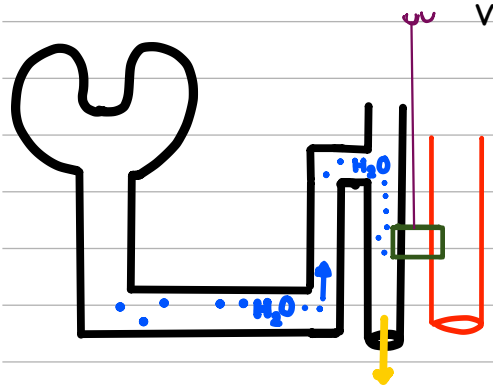
IOC -

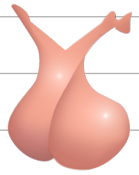
DOC

Diabetes Insipidus

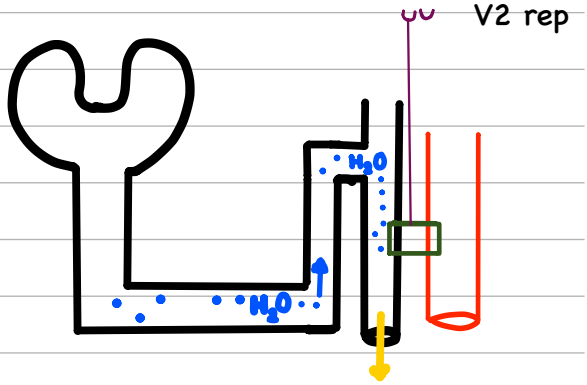


Post. Pituitary





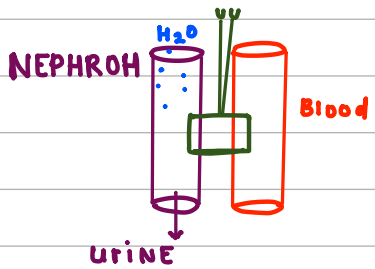
Post. Pituitary

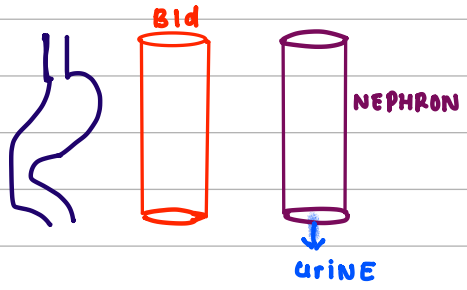


Urine amount	Urine amount
Urine osmolarity	Urine osmolarity
Plasma osmolarity	Plasma osmolarity
ADH level	ADH level
IOC	
DOC	DOC

Extra point

Polyuria (3lit./day or >40ml/kg/day)





Urine volume	Urine volume ....
Urine osmolarity	Urine osmolarity ....
Plasma osmolarity..	Plasma osmolarity..

Extra point

DM + DI + Optic atrophy -

Endocrine neoplasia

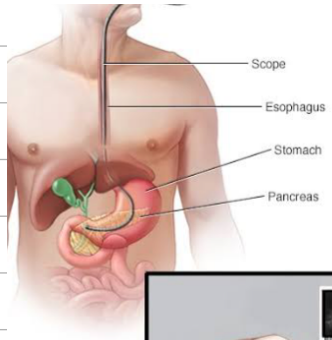
- Insulinoma - tumor of ..... cell so ..... insulin

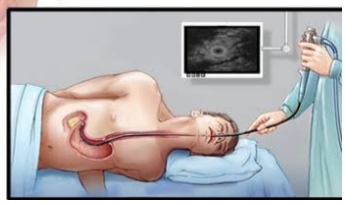
C/f-

Ioc -

For localizing tumor -

Rx-





- B-cell hyperplasia is called as-

VIPOMA -

(VIP - vaso active intestinal peptide)

A/c/a -

C/f -

Glucagunoma – tumor of .....cell so .....

C/f – blood sugar

– skin –

Gastrinoma/ zollinger elison syndome

Tumor or ..... cell. M/c site–

C/f–

Doc–

Multiple endocrine neoplasia (MEN)

MEN 1	MEN 4
overall mc enteropancreatic tumor M/C pancreatic tumor	
MEN 2A	**MEN 2B (MEN 3)**

Summary -

1.Pituitary gland injury - prolactin level .....-
2.Pituitary stalk injury - prolactin level ....
3. Prolactinoma - mcc -
-DOC
-DOC in pregnancy

4.ACROMEGALY - voice
- MC cancer
Screening test
IOC
Xray foot -
Rx- initial
- BEST-

5.SIADH
MCC -
PATHOgenesis -..... .....natremia.
Urine osmolarity - .....
IOC -
DOC

6. Diabetes insipidus
Central - ADH level -
Nephrogenic - ADH level -
Urine osmolarity ...

IOC
rx - central
- nephrogenic -

7. Insulinoma

C/f - ..... triad

IOC -

FOR localization --

8. Glucagunoma - skin finding

9 VIPOMA- c/f - .....

K+. ..... / cl-.....

Dear dr. ……..

The future is full of unknowns and uncertainties, but I am confident that you are well-prepared to face whatever comes your way. You have learned valuable skills, gained knowledge, and developed the ability to think critically and creatively. These are all qualities that will serve you well in your future endeavors.

As you move forward, remember to stay true to yourself and your values. Pursue your passions and never give up on your dreams. Set goals for yourself and work hard to achieve them. Along the way, don't be afraid to take risks, make mistakes, and learn from them.

Remember that success is not always measured by financial or material wealth. It is also measured by the positive impact you make on the world and the people around you. Use your education and talents to make a difference in your community, and strive to leave the world a better place than you found it.

Finally, always remember that you are capable of achieving great things. Believe in yourself and your abilities, and never let anyone els tell you otherwise. You have the power to create your own future, so go out there and make it happen!

Best wishes

Dr. Priyansh Jain