

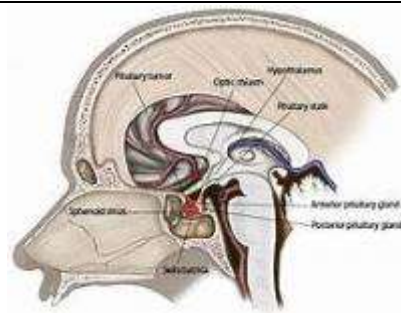
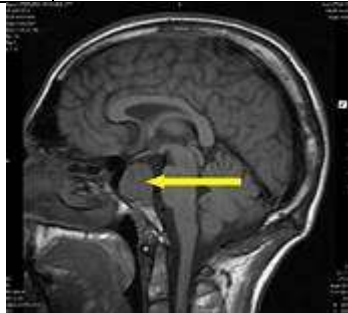
XXIII. DISEASES OF THE ENDOCRINES

Chromophobe Adenoma***Pituitary gland:***

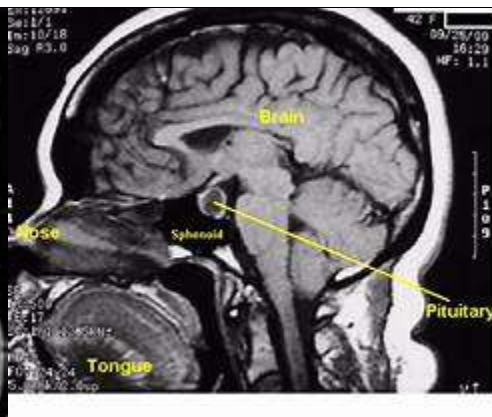
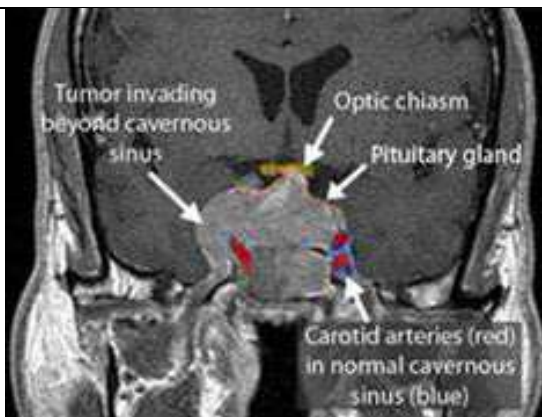
- Appears in situ in the brain.
- Is large in size
- The enlargement is chiefly in the anterior lobe
- The anterior lobe shows a nodular mass:

The mass:

- Is moderate in size
- Shows necrosis, haemorrhage and a cystic area
- Is greyish-white in colour
- Rather soft in consistence
- Pressing on the bony and membranous walls of **Sella Turcica** and the optic chiasma.

***N.B.1:***

- ***Histological examination***, proved the mass to be a Chromophobe adenoma of the anterior lobe of the pituitary gland.
- ***Clinically***, it showed no effect of its own but:
 - (1) Interference with the acidophil cells → ***retarded growth***,
 - (2) Interference with the basophil cells → ***sexual infantilism*** and
 - (3) Pressure on the posterior pituitary (and on the hypothalamus) → ***adiposity***.



N.B.2:

Pituitary tumours (15% of all primary intracranial tumours):

I. Adenomata (75% of all pituitary tumours).

1. Acidophil adenoma (35% of adenomata):

Is confined to the Sella and is smaller than the Chromophobe adenoma.

It may undergo cystic degeneration.

Effects:

- Gigantism.
- Acromegaly.

2. Basophil adenoma (10% of adenomata):

Is very small in size.

Effects: Cushing's syndrome.

3. Chromophobe adenoma (50%):

Most common and is large in size (from 1 mm. to several centimetres).

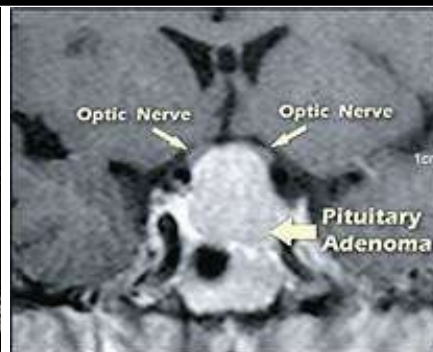
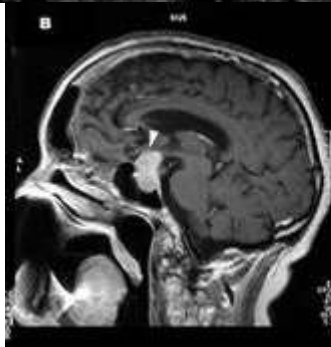
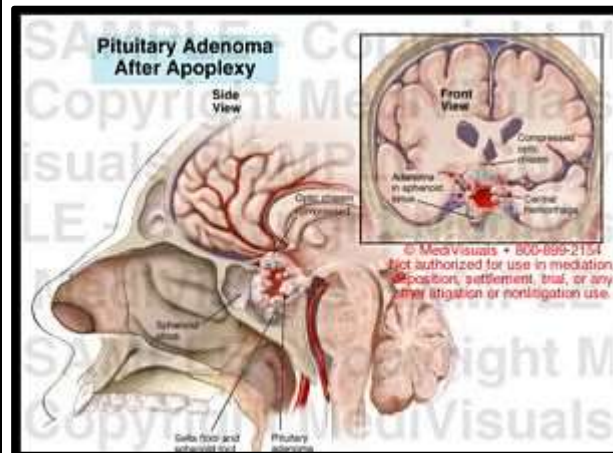
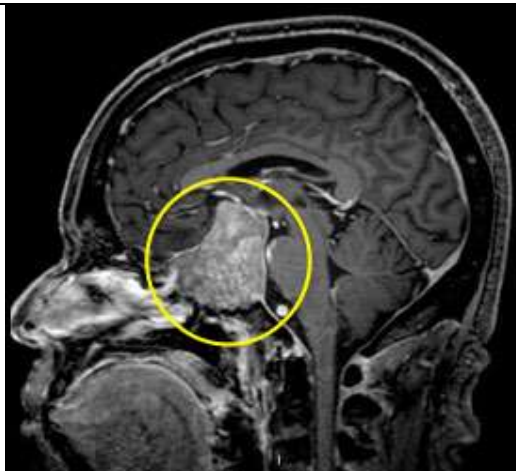
It is greyish-white, soft in consistence and with areas of degeneration, necrosis, cyst formation and haemorrhage.

Effects:

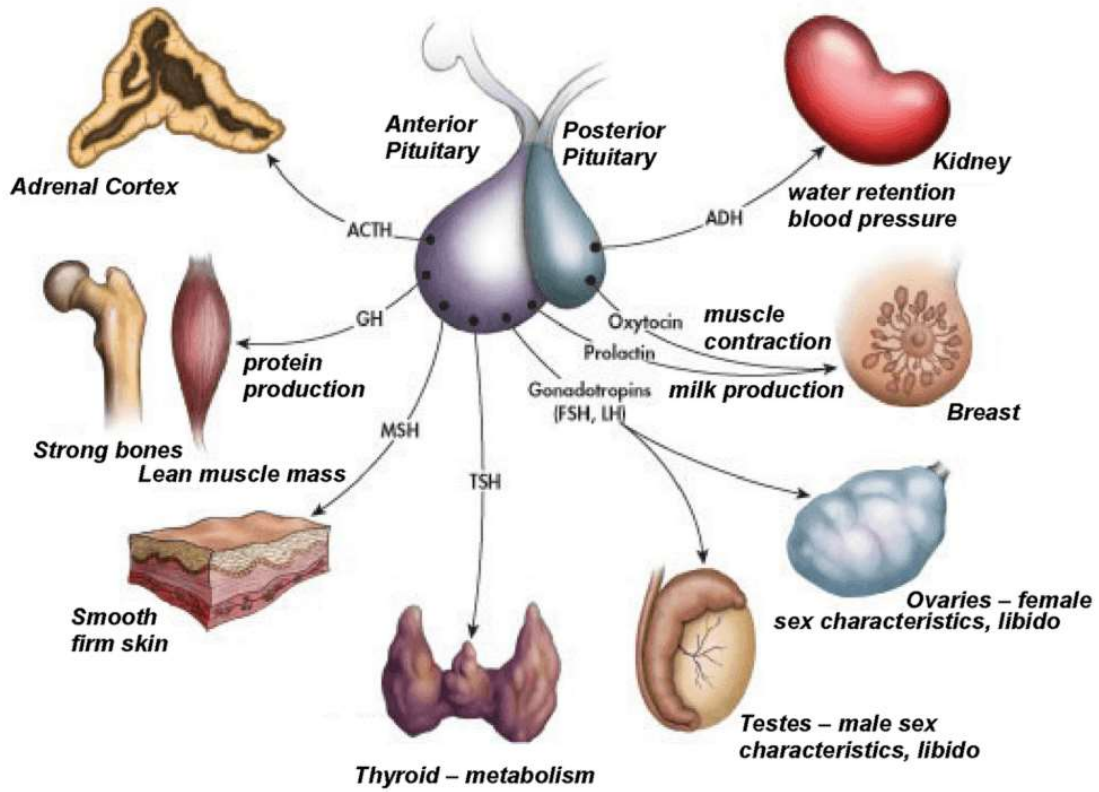
Related to interference with (and pressure on) surrounding cells.

4. Mixed adenoma (5%).

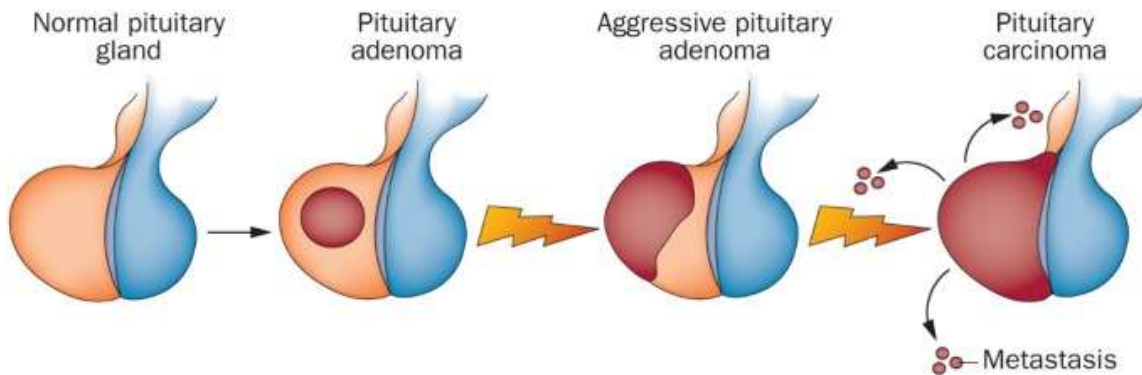
Effects: Variable.



salt & water balance, blood pressure, blood sugar levels, muscle strength, mood, immune system, heart, lungs, blood vessels, nervous system

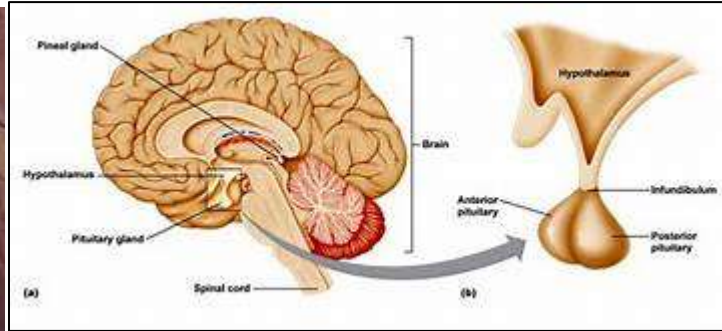
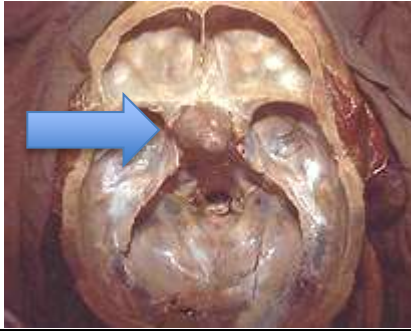


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II. Carcinoma (malignant adenoma or adenocarcinoma);

- Usually of Chromophobe cells.
- **Effects:**
 - Destruction of base of skull.
 - Bursting into Sella → Cerebro-spinal rhinorrhea.



III. Sarcoma: Is very rare.