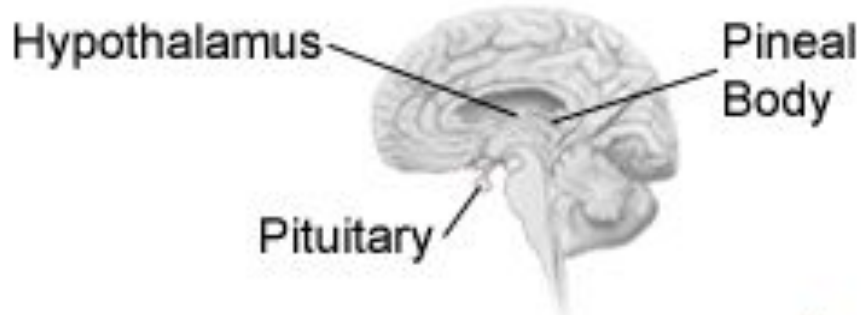
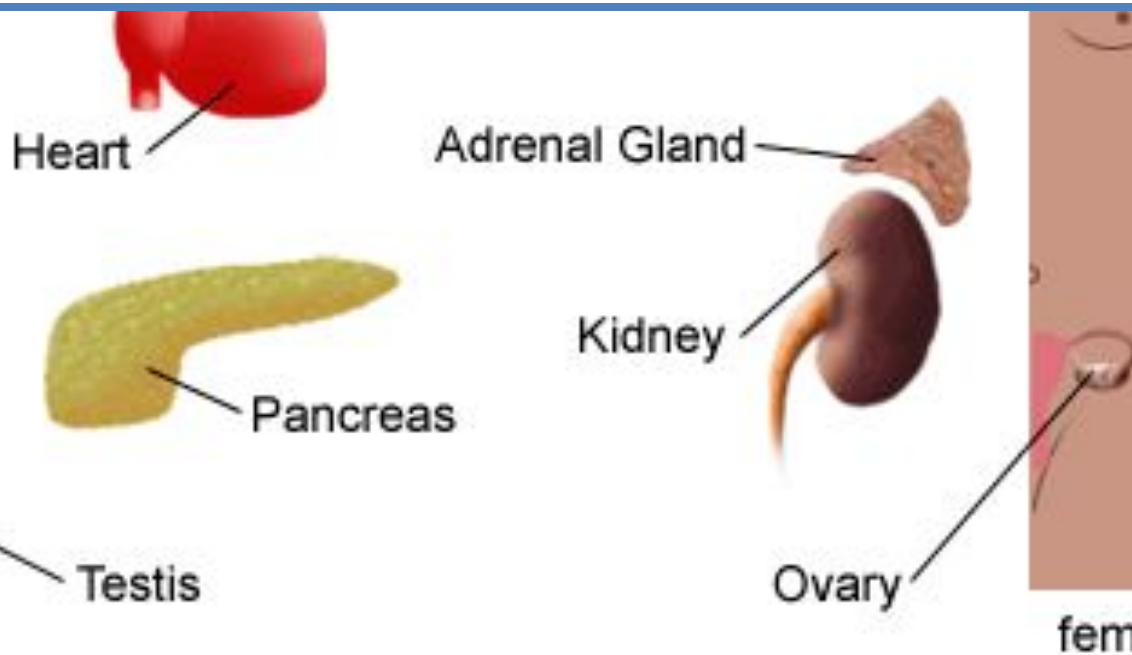


Endocrine System



ENDOCRINE GLANDS DISORDERS



Endocrine system disorders

- Hyperfunction – overproduction of the hormone
- Hypofunction – there is not enough hormone

Growth hormone

- Deficiency in childhood – dwarfism
- Excess amount in childhood – gigantism
- Oversecretion in adulthood – acromegaly





Hypothyroidism

- It is called myxedema in adulthood
- The face swells and bagginess under eyes
- In childhood – cretinism.
- They are short and stocky



*Волосы сухие,
грубые, редкие*

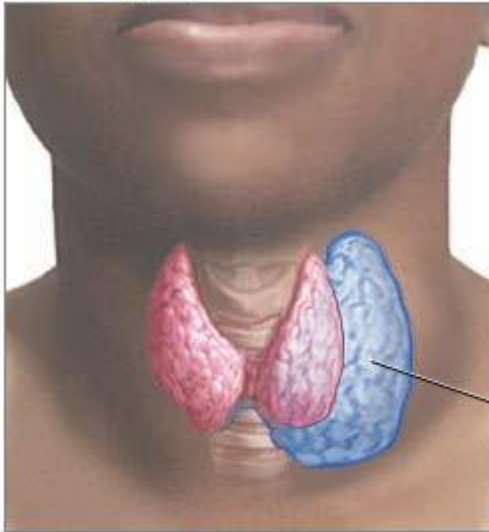
*Поредение на-
ружной поло-
вины бровей*

*Периорбиталь-
ный отёк*

*Одутловатое
нев्यразитель-
ное лицо с сухой
кожей*



Hyperthyroidism caused
by thyroid adenoma



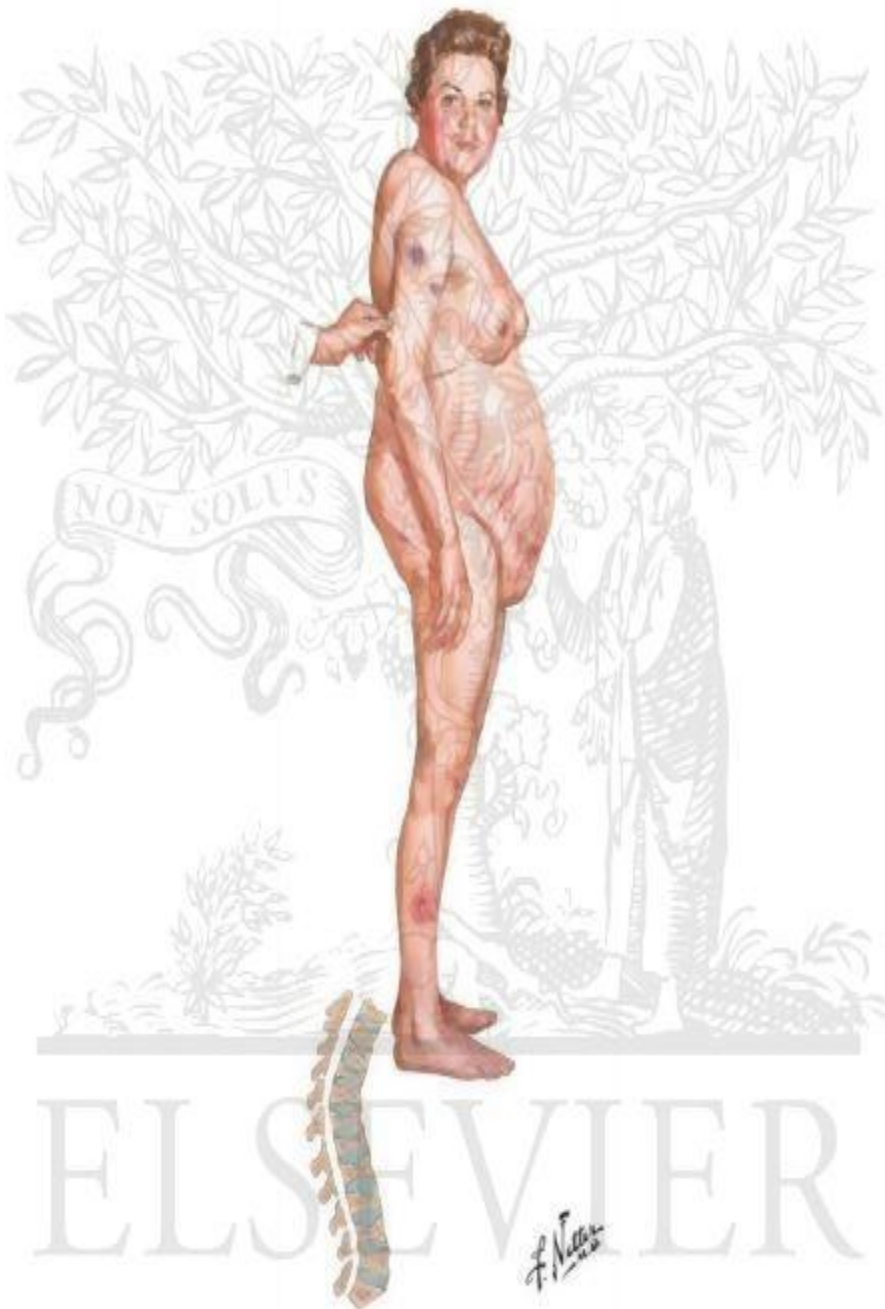
Hyperfunctioning
thyroid (goiter)

ADAM.

Hyperthyroidism

- Most pronounced symptoms are enlargement of gland (GOITER –food is insufficient for iodine) and bulging of eyeballs (EXOPHTHALMOS)





- If there is high level of cortisol – *CUSHING syndrome*
- Obese trunk and moon face



ADDISON'S DISEASE

- Hypofunction of adrenal cortex
- Symps – bronzing of skin, hypoglycemia, etc.

Diabetes mellitus

- There is not enough insulin.
- Normal glucose level – 80-100 mg