

* Hypothalamic Disorders:

Causes:

- Reduction of hypothalamic neurons may be either due to lack of development as in Kallmann's syndrome or destruction by disease process such as encephalitis, meningitis, tumours or infection.

Effects:

- Decrease in releasing hormones: no hypothyroidism, hypogonadism, hypoadrenocorticism and dwarfism.
- Uncontrolled production of prolactin leads to galactorrhea, amenorrhea, hypogonadism.
- In general hypothalamic lesion only induce partial failure of target lesion gland unlike pituitary.
- Functions such as temperature, satiety, eating and thirst are controlled by hypothalamus, so it induces influence in lesions.
- Important disorders of the hypothalamus are psychogenic amenorrhea, anorexia nervosa, deprivation dwarfism in children.
- It may also produce precocious puberty and excessive secretion of IDH due to impairment of inhibitory inputs.