

Disorders

Goutre

Cretinism :-

Hyposecretion of thyroxine in child.

- ⇒ Physical growth & mental growth are retarded.
- ⇒ Slow heart beat.
- ⇒ Temp. of body is decreased.
- ⇒ Pigeon chest.

Myxoedema :-

Hyposecretion of thyroxine in adult.

- ⇒ Slow heart beat
- ⇒ Body temp. is decreased.
- ⇒ Low B.P.
- ⇒ Weight gain.

Grave's disease or, Exophthalmic goitre :-

Hypersecretion of thyroxine.

- ⇒ Rate of heart beat is increased.
- ⇒ Body temp. is increased.
- ⇒ High B.P.
- ⇒ Eye ball - Protrude out.

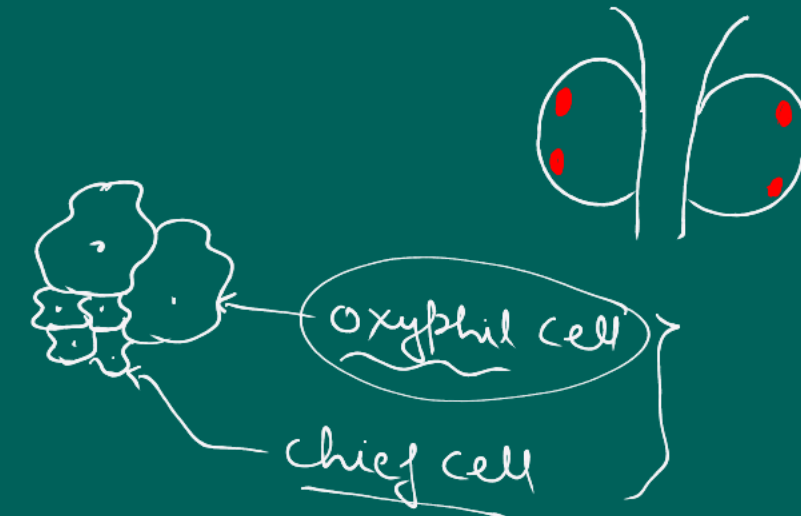
Parathyroid gland.

Origin - endodermal.

Anatomy :-

child.

Adult - only chief cell



Hormone - Parathyroid hormone or

Parathormone or Collip's hormone

Calcitonin

→ It stops withdrawing of Ca^{++} from bone.

To increase level of Ca^{++} in blood.

⇒ It increases absorption of Ca^{++} in digestive tract.

⇒ It increases reabsorption of Ca^{++} from sweat, urine, bile, saliva etc.

⇒ It withdraws Ca^{++} from bone.

⇒ It increases excretion of phosphate.



Disorder :-

Hypersecretion of Collip's hormone :-

Osteoporosis - Bone becomes weak.

Hyposecretion of Collip's hormone :-

Parathyroid tetany or muscular spasms

Level of Ca^{++} is decreased in blood.

Nervous system

Muscle contraction.

