

## Thyroid gland :

Its lobulated gland lying in the neck in front of other part of trachea . this gland is originated embryogenically from epithelial down growth of the primitive oral cavity . the gland is enveloped in an outer capsule of loose connective tissue and enough capsule of fibro elastic tissue from the inner capsule C.T. septa extend dividing the gland into lobules each lobules contain the histological and functional unit which called follicles . the follicles is irregular steroidal structure is composed of a single layer of cuboidal epithelial cells responsible for the synthesize and secretion of Thyroid Hormone (Thyroxin) the lumen of follicle is contain a homogenous substance called the Colloid which is the storg form of the thyroid hormones . there are second type of secretory cells which is found either as single cell among the follicular cell or found as small aggregation in the inter follicular spaces and its called as Para follicular cells these cells have an extensive instand cytoplasm and the post that very called C cell or Clear cell . these cells are responsible for secretion the second hormone of the thyroid gland which is the calcitonin .