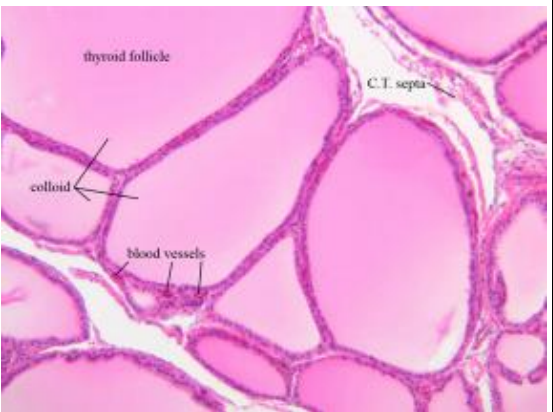




Thyroid gland

Components	<p>Stroma</p> <ul style="list-style-type: none"> - capsule (dense, irregular collagen) - septum - reticular fibers (thin, CT. rich in capillaries surrounding each follicle) <p>Paranchyma</p> <ul style="list-style-type: none"> -follicular cells -parafollicular cells 	
Note	<ul style="list-style-type: none"> -when saying follicle, we're referring to the lumen with the epithelium of it (paranchyma). -the paranchyma has a basal membrane -iodination happens EC -septum seperates follicles from each other 	
Follicular cells		
Type	Simple cuboidal ep.	
N	Round & central with prominent n	
L/M	<ul style="list-style-type: none"> -Basophilic cytoplasm (RER) -apical of the cell touches the lumen 	
E/M	<ul style="list-style-type: none"> -apical lysosomes -microvilli 	
Parafollicular cells		
Aka	Clear cells (C-cells)	
Site	Singular or in clusters always on top of follicular cells (never touches the lumen)	
Fun	Secrete Calcitonin	
L/M	<ul style="list-style-type: none"> -larger than follicular cells -1 cell for each 1000 follicular cells 	

