

Panc			
Components	Stroma Capsul, septa (where vessels are) & RF Paranch. Exo (acini & ducts) + Endo (islets of Langerhans)		
Exo	Fun	digestive juice for GIT	
	Acini	type	serous
		shape	Pyramidal
		N	Basal
	Staining	-base: basophilic (RER) -apical: acidophilic (enzymatic granules)	
	Myoep.	nill	
Ducts	<u>Centroacinar cells</u> → intercalated (cuboidal) → intralobular (not prominent) → interlobular → main duct		
Endo	islets of Langerhans	Stain	Pale (stain doesn't tell its cells apart)
		shape	Spherical
		Vascularity	Rich (fenestrated capillaries)
		Supported by	RF
		#	1 million
		Most # in	Tail
		Cells	Alpha, Beta, Delta, Gamma & PP

islets of Langerhans cells					
Cell	A	B	D	G	PP
%	20%	70%	10%	1%	1%
Site in islet	Peripheral	central	Scattered		
Granules	Numerous & packed densely	Little & spaced	least & further apart	-	-
secretes	glucagon	insulin	somatostatin	gastrin	polypeptides
Fun	Inc blood glc	Dec blood glc	Inh exo & endo panc hormones release	Inc stomach HCL	Inh exo panc secretions