

Gland	Secretion	Control of production	Function	Over-secretion	Under-secretion
Pancreas (Islets of	Insulin (by β-cells, which	STH, ACTH & blood	Decreases blood glucose level by converting into glycogen,	Hypoglycemia, upset of nerve and muscle	Diabetes Mellitus (high blood & urine glucose,
Langerha ns)	are more in number))	glucose level	lipid & proteins, increasing utilization & decreasing hydrolysis of glycogen	function	disturbance in body Equilibrium & nervous system, toxication,
					dehydration)
	Glucagons (by	STH, ACTH	Increases breakdown of	Rare, tumors causing	
	α-cells, which	& blood	glycogen and fats into glucose	over-secretion, which	
	are smaller in number)	glucose level		leads to high blood glucose level & damage of alpha and beta cells	
				or appra and beta cens	

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