

The Endocrine System

(Major Endocrine Glands)

<u>Glands</u>	<u>Major Hormones</u>	<u>Major Hormone Function</u>
Anterior Pituitary	Tropic Hormones GH PRL	-activate other endocrine glands -stimulates growth of bones and muscles -stimulates milk production
Posterior Pituitary	Oxytocin ADH	-stimulates milk "let down" and uterine contractions -promotes water retention by kidneys
Pineal	Melatonin	-affects cyclic activities of the body
Thymus	Thymosin	-establishes immune system
Thyroid Gland	T₄, T₃ Calcitonin	-stimulates metabolism -stimulates bone formation; lowers blood calcium
Parathyroid Glands	PTH	-raises blood calcium; stimulates bone reabsorption
Pancreas	Insulin Glucagon	-moves glucose into cells, lowers blood glucose -raises blood glucose
Adrenal Cortex	Glucocorticoids Mineralocorticoids Gonadocorticoids	-raises blood glucose -promotes Na ⁺ retention & K ⁺ secretion by kidneys -reproductive functions (see below)
Adrenal Medulla	Epinephrin Norepinephrin	-enhances sympathetic effects " " "
Ovaries	Estrogen Progesterone	-stimulates development and maintenance of secondary sex characteristics and other reproductive functions
Testes	Testosterone	