





Anterior pituitary	STH	SRF , GHRF	Controls growth	Gigantism (Acromegaly)	Dwarfism
	TSH	TRF (itself by thyroxin)	Controls thyroid		
	ACTH	CRF (itself by steroid level), stress	Control of adrenal cortex	Disturbance of normal adrenal function	Disturbance of normal adrenal function
	FSH	LHRF (common with LH)	In female follicle development & estrogen secretion. In male, development of germinal epithelium of testis & sperm production		
	LH (ICSH in male)	LHRF	Estrogen secretion, ovulation, maintenance of corpus luteum, progesterone secretion in female.      In male, testosterone's secretion		
	Prolactin (LTH)	Hypothalamus	Along with LH maintains and stimulates progesterone, milk production		
Median pituitary	MSH	External light	Stimulation of melanocyte to produce melanin	Caused by pregnancy & Addison's disease	
Posterior pituitary	ADH (vasopressin)	Decrease in blood pressure, blood volume, osmotic pressure detected by osmoreceptors of hypothalamus, external sensory stimuli	Controls level of water in body by affecting reabsorption at distal parts of nephron	Increased water reabsorption, concentrated urine	Decreased water reabsorption, dilute urine Diabetes
	Oxytocin	By distension of cervix, decreased progesterone level in blood, neural stimuli during parturition and suckling	Contraction of smooth muscles of uterus during childbirth and milk ejection		insipidus

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