ENDOCRINE SYSTEM



The endocrine system is a collection of glands that produce chemical messengers, called hormones, which are secreted into the bloodstream and travel to various organs and tissues, affecting how they function. The endocrine system acts in coordination with the nervous system to control and integrate body processes.

Adversal glands

Regulates metabolism, blood pressure, immune system and stress response

Hormonec adrenaline, cortical, aldosterone, DHEA testosterone

Personal Property lies

influences digestion, glucose control

Hormones: insulin, glucagon, sematostatin, VIP

Overles testes

Influences fertility, sexual development

Thyroid

Regulates metabolism, growth, development

Hormones: T3, T4, cyclopin

Pineal gland

Regulates sleep-wake cycles

Hormonec: melatonin

Pitutiary gland

Helps control other endocrine glands, secretes hormones involved in growth, metabolism, reproduction, and blood pressure

Hormonec LH, FSH, protectin, growth hormone, TSH, ACTH

Hypothalamas

- Maintains homeostasis, influences thirst, hunger, sleep, alertness
- Regulates involuntary mechanisms such as blood pressure, body temperature, heart rate

Hormanes: ADH, psytocin,

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A Gutmann

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