

Endocrine System

Location of glands in human body

Compare and contrast nervous system to the endocrine

Master gland?

What does an inhibiting hormone do?

What does a releasing hormone do?

What's a **target tissue**?

What is dynamic equilibrium?

Two types of hormones (difference between and how fast they work)

Role of receptor sites and lock and key mechanism

Tropic Hormones – (pituitary produced hormones that targets a specific gland)

Non-tropic – affect body cells or tissues and not other glands

Endocrine vs exocrine

Negative feedback loop – know what it is and how it works

Positive feedback loop – oxytocin and child birth

Pituitary

How does the hypothalamus “talk to” or control each lobe of the pituitary? (though what methods or ways)

Anterior produced hormones...what are they

Oxytocin and ADH...know their target and function

Diabetes insipidus....what is it?

Posterior stored hormones...what are they “GOATFLAP”

-Posterior is larger and produces more

TSH... know its target and function

ACTH... know its target and function

(aldosterone and cortisol roles)

STH (hGH) ... know its target and function

-acromegaly vs giantism – why & when happen?

FSH... know its target and function

LH... know its target and function

PRL... know its target and function...(continues release of milk)

Thyroid

Thyroxin(T4) and its role and/or function

Calcitonin and its role and/or function

Disorders a.- Graves disease

b. -Goiter – why does it form (what builds up and why?)

Parathyroid – PTH hormone and role with calcium

Antagonistic –calcitonin and PTH

Adrenal Gland

Two parts of Adrenal Gland

Adrenal Medulla – what's it regulated by

-immediate(short term) stress hormones...2 of them

-physical effects of the 2 hormones

Adrenal Cortex - what's it regulated by

-long term stress hormones...2 of them

-effects of each of the 2 hormones

Disorders

a. Addisons disease

b. Cushings syndrome

Aldosterone vs. ADH

Pancreas

Alpha and Beta cells...whats produced in each?

****Compare and contrast **Insulin and Glucagon****** know the differences and what they do

Antagonistic... Insulin and Glucagon

What is glycogen?

Disorders

Diabetes mellitus- what is it a result of?

- TYPE I vs TYPE II...in regard to insulin production and use
- Symptoms of each
- treatments of each
- causes of each

What is the job of insulin in general?

OTHER

What are prostaglandins?

Estrogen and Progesterone – compare and contrast(where made, function and target)

Testosterone- where produced, target and function