Endocrine Overview

- a. The endocrine system consists of glands which secrete hormones directly into the blood
 - These glands include:
 - 1. Hypothalamus, pituitary gland, thyroid, parathyroid, pancreas, adrenal glands, placenta (during pregnancy). ovaries, testes, thymus, and pineal cland
 - 2. The hormones secreted by these glands regulate the functions of different organs and tissues
- b. Glands and their hormones:
 - L Pibuitaryo
 - 1. Anterior pituitary:
 - a. TSH.
 - ACTH
 - 1.34 e.
 - GH dl.
 - e. Prolactin
 - 2. Posterior pituitary:
 - a. Otycocini
 - b. Vasopnessin.
 - iii. Thyroick
 - 1. T4.TB
 - 2. Cal cit onlin.
 - III. Parathyroid:
 - Parathyroid hormone (PTH)
 - W. Pancreas:
 - 1. Insulin
 - Glucagon
 - 3. Sometostetin
 - 4. Pancreatic polypeptide (PP)
 - w. Adrenal glands:
 - 1. Epinephrine
 - 2. Norepinephrine
 - 3. Aldosterone
 - 4. Cortisol

 - Androgens
 - vi. Ovaries:
 - Estrogen
- will. Testes:
 - 1. Testosterone
- Pituitary Gland:
 - a. Morphology and overall functions
 - L. Gross Anatomy:
 - 1. Well-protected gland, located in a pocket of the sphenoid bone at the base of the brain
 - iii. Hiistology:
 - Posterior:
 - a. Made up largely of the endings of exons from the hypothalamus
 - b. Stores hormones from hypothalamus
 - 2. Anterior:
 - a. Contains endocrine cells that synthesize and store hormones.
 - b. Different cell types produce different hormones >







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