

Exercise 27 Endocrine System Eighth Edition

Objectives: 1-3, 6

Endocrine System

- Know the functional differences between the body's 2 controlling systems, the endocrine and nervous system
- Know the functions of hormones and target organs

Gross Anatomy

- Be able to list major endocrine functioning structures, hormones produced by each and their actions
- Pituitary gland: FSH, LH, ACTH, GH, PRL, Oxytocin, ADH
- Thyroid gland: thyroxine, triiodothyronine, calcitonin
- Parathyroid gland: PTH
- Adrenal gland: (cortex vs. medulla) epinephrine, norepinephrine
Aldosterone, cortisone, sex hormones
- Pancreas: insulin, glucagons (know Islets of Langerhans cells)
- Ovary: estrogen, progesterone
- Testes: testosterone
- Pineal gland: melatonin
- Know Fig. 27.2 Anatomical location of Endocrine Organs
- Be familiar with what causes major endocrine disorders: hypoglycemia, dwarfism, acromegaly, myxedema, tetany, diabetes mellitus, hirtuism