

## **Endocrine Overview/Preparation**

Definitions-

Endocrine Glands:

Hormones:

Hormone Receptor:

Lipid-Soluble Hormones:

Water-Soluble Hormones:

Negative Feedback System:

Positive Feedback System:

Nervous System Control:

Rhythms:

Function of the Hypothalamus:

| Gland and Hormones                                                                                                               | Target Tissue | Function |
|----------------------------------------------------------------------------------------------------------------------------------|---------------|----------|
| <b>Anterior Pituitary</b>                                                                                                        |               |          |
| Adrenocorticotrophic Hormone (ACTH)                                                                                              |               |          |
| Gonadotropic Hormones <ul style="list-style-type: none"> <li>Follicle-stimulating Hormone</li> <li>Lutenizing Hormone</li> </ul> |               |          |
| Growth Hormone                                                                                                                   |               |          |
| Melanocyte-Stimulating Hormone                                                                                                   |               |          |
| Prolactin                                                                                                                        |               |          |
| Thyroid Stimulating Hormone                                                                                                      |               |          |
| <b>Posterior Pituitary</b>                                                                                                       |               |          |
| Antidiuretic Hormone                                                                                                             |               |          |
| Oxytocin                                                                                                                         |               |          |
| <b>Pineal Gland</b>                                                                                                              |               |          |
| Melatonin                                                                                                                        |               |          |
| <b>Thyroid</b>                                                                                                                   |               |          |
| Calcitonin                                                                                                                       |               |          |
| Thyroxine (T4)                                                                                                                   |               |          |
| Triiodothyronine (T3)                                                                                                            |               |          |
| <b>Parathyroids</b>                                                                                                              |               |          |
| Parathyroid Hormone                                                                                                              |               |          |
| <b>Adrenal Medulla</b>                                                                                                           |               |          |
| Epinephrine                                                                                                                      |               |          |
| Norepinephrine                                                                                                                   |               |          |
| <b>Adrenal Cortex</b>                                                                                                            |               |          |
| Androgens                                                                                                                        |               |          |
| Corticosteroids                                                                                                                  |               |          |
| Mineralocorticoids                                                                                                               |               |          |
| <b>Pancreas</b>                                                                                                                  |               |          |
| Amylin (Beta Cells)                                                                                                              |               |          |
| Glucagon (Alpha Cells)                                                                                                           |               |          |
| Insulin (Beta Cells)                                                                                                             |               |          |
| Pancreatic Polypeptide                                                                                                           |               |          |
| Somatostatin                                                                                                                     |               |          |
| <b>Gonads (Further covered in Repro)</b>                                                                                         |               |          |
| Women: Ovaries <ul style="list-style-type: none"> <li>Estrogen</li> <li>Progesterone</li> </ul>                                  |               |          |
| Men: Testes <ul style="list-style-type: none"> <li>Testosterone</li> </ul>                                                       |               |          |

