REPRODUCTIVE SYSTEM

Lecture 19

Reproductive System

 The reproductive system is a collection of organs and a network of hormone production that work together to create life

Functions of the Reproductive System

- Production of Gametes
 - Sametes are reproductive cells, produced by the gonads (male and female)
 - Male gonads are called Testes which produce Sperm cells.
 - Female gonads are called Ovaries which produce Egg cells or Occytes.
- Fertilization
 - » Process by which the sperm and egg cells meet.
- Development and nourishment of a new individual
 - » Development of fetus once fertilization happens
 - » Nounshment is through breastfeeding after birth.
- Production of Reproductive Hormones
 - » Hormones control the development of ssex-specific body forms, routine functions of the reproductive system, and reproductive behavior.
 -) Male produces Testosterone
 -) Female produces Estrogen and Progesterone.

Male Reproductive System



Mindred silver (model/field

Testes

- Small ovoid organs inside the Scrotum.
- Both expenine and endocrine glands.
 - Its exponen has a duct that secretes sperm cells out of the body
 - Its endocrine has no duct and directs Testosterone into the bloodstream.
- Produces Testosterone (hormone).



Structi	ure of the Testes
Tunica Vaginalis	The white part of the testes is a serous membrane consisting of squamous epithelium
Tunica Albuginea	Also a white fibrous connective tissue capsule that surrounds each testis
Septa	Extensions into testis dividing it into lobules
Lobules	Contain seminiferous tubules
Seminiferous Tubules	Where sperm cells are developed
Interstitial Cells	Also called Leydig cells, produces testosterone hormone

- The combined length of the seminiferous tubules in both testes is nearly half a mile.
- Tubuli Recti
 - The seminiferous tubules empty into a set of short straight tubules
- * Rete Teatra
 - These in turn empty into a <u>tubulac</u> network
- Efferent Ductules

Anatomy And Physiology Reproductive System Study Guide

Brielle Morgan

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