

Chapter 2

Human Reproductive Anatomy and Physiology

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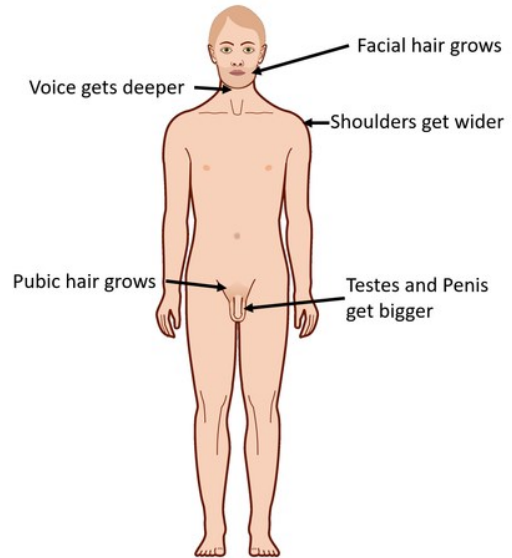
Puberty

- Changes affect both physical and psyche
- Ability to reproduce
- Secondary sex characteristics
- Ends when:
 - Mature sperm are formed
 - Regular menstrual cycles
- Different cultural views

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Male Puberty

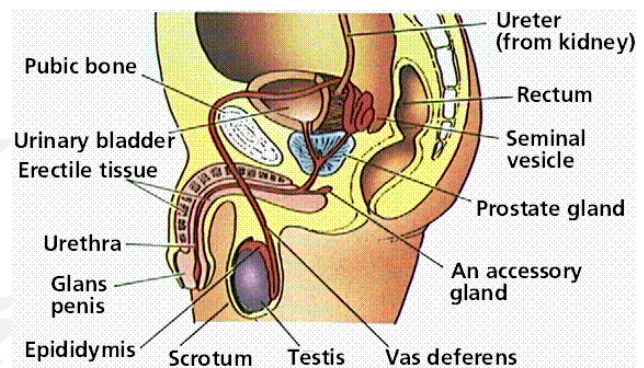
- Puberty
 - Hormonal changes
 - Outward changes
 - Testosterone levels
 - Nocturnal emissions



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Male Reproductive System

- External Genitalia
 - Penis
 - Scrotum
- Internal Genitalia
 - Testes: location allows for cooling, warming could decrease sperm production
 - See Figure 2-1



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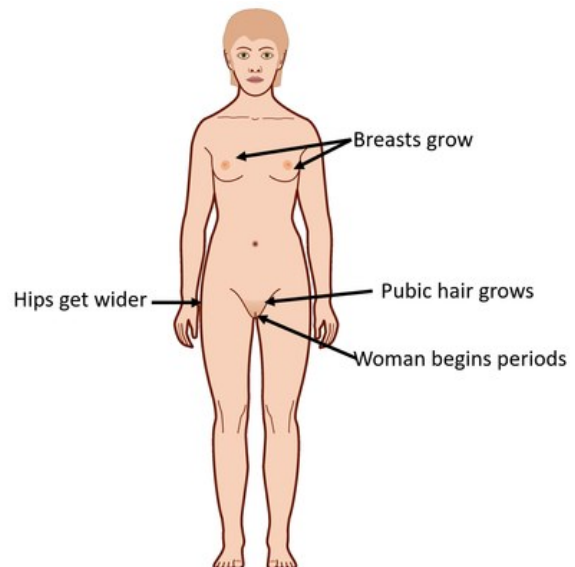
Male Reproductive System

- Testosterone
 - Increase muscle mass and strength
 - Growth of long bones
 - Increase basal metabolic rate
 - Production of RBC
 - Enlargement of vocal cords
 - Distribution of hair
- Ducts
 - Store and carry sperm
- Accessory Glands
 - Nourish sperm
 - Protect the sperm
 - Enhance the motility of sperm

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Female Puberty

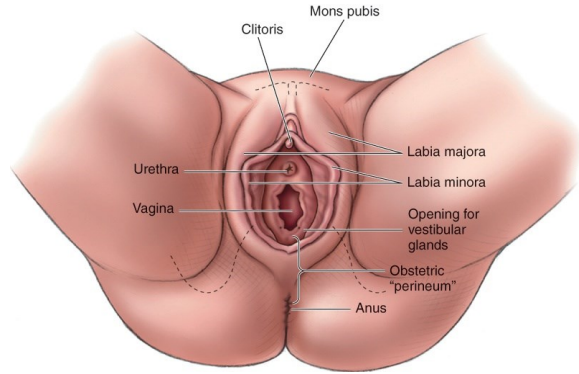
- Puberty
 - Hormonal changes
 - Menstrual cycles
 - Growth spurt
 - Secondary sex characteristics
 - Pregnancy



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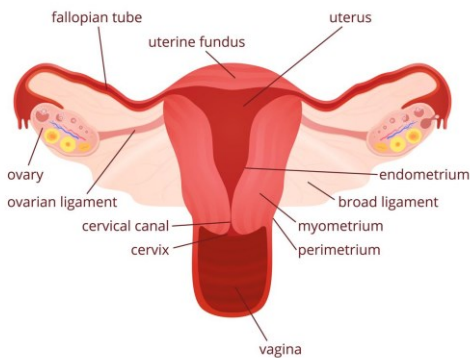
Female Reproductive System

- External Genitalia
 - Mons pubis
 - Labia Majora
 - Labia Minora
 - Fourchette
 - Clitoris
 - Vaginal Vestibule
 - Perineum
 - Most likely to tear during childbirth
- See Figure 2-2



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FEMALE Reproductive System



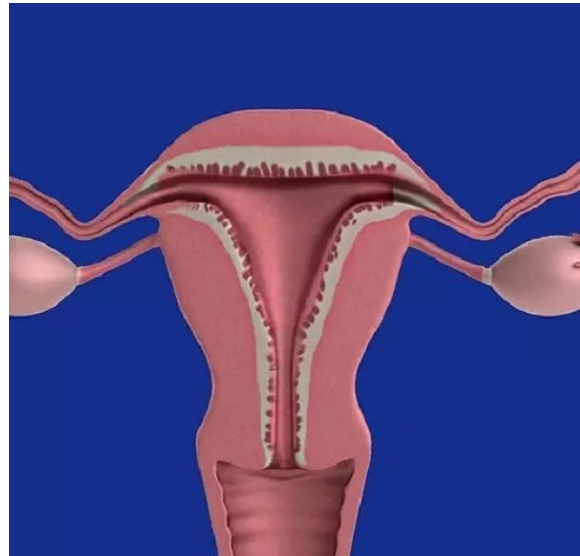
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Female Reproductive System

- Internal Genitalia
 - Vagina
 - Passageway for sperm and babies
 - Allow drainage of menstrual fluids
 - Uterus
 - Implantation occurs and fetus develops and grows
 - Endometrium or the innermost area of the uterus layer, this is where implantation occurs. Usually the upper posterior wall.
 - Myometrium or the middle layer
 - Perimetrium or the outermost layer or serosal layer.

Female Reproductive System

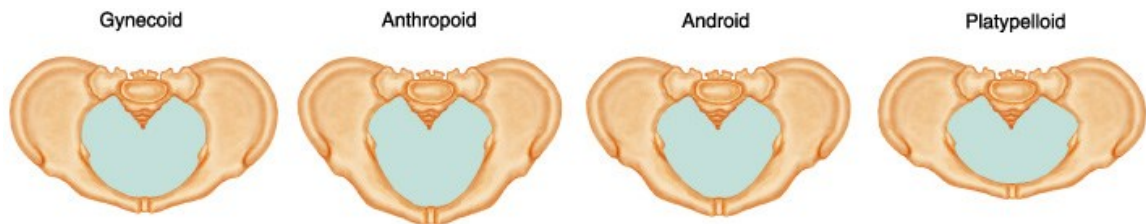
- Fallopian tubes
 - Site of fertilization
- Ovaries
 - Production of estrogen and progesterone
- See Figure 2-3 and 2-4



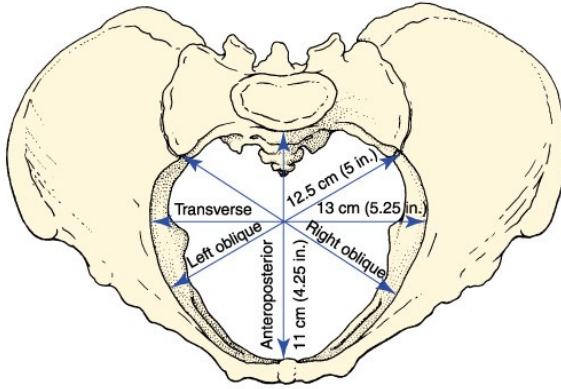
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Female Pelvis

- Types of female pelvis
 - Gynecoid
 - Most favorable for childbirth
 - Android
 - Anthropoid
 - Platyploid
 - Unfavorable for childbirth



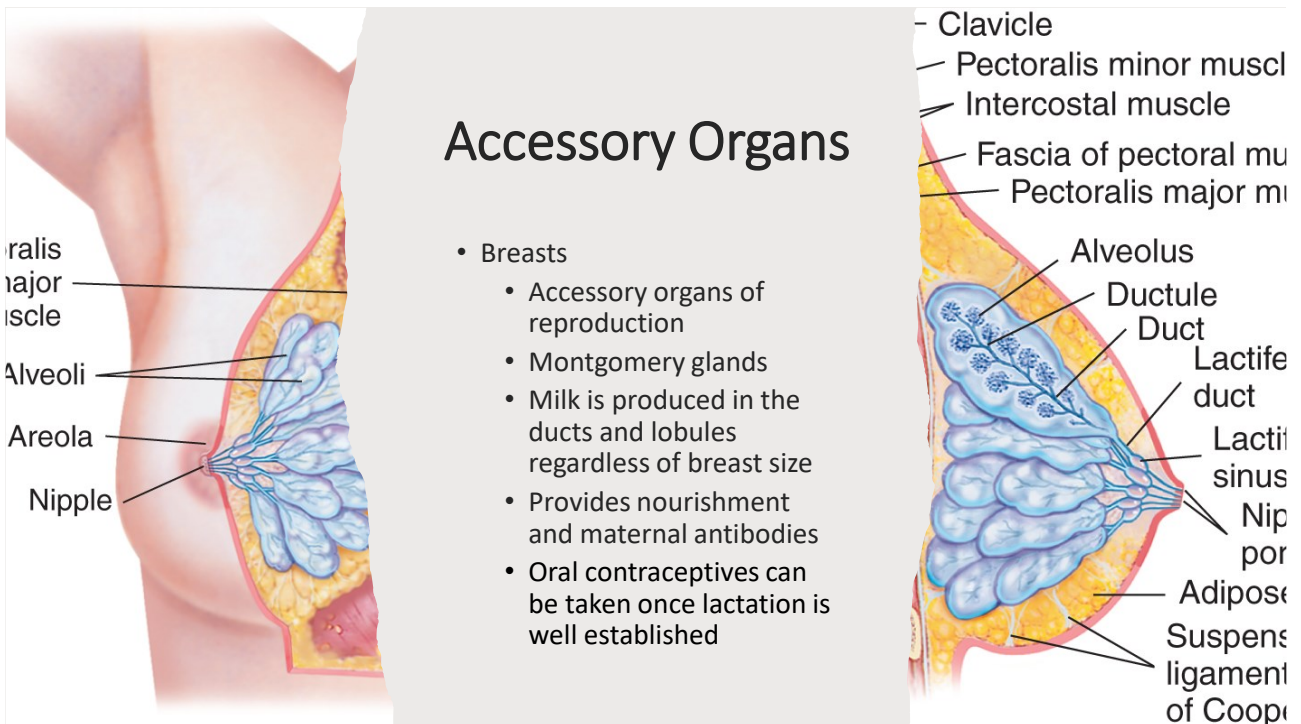
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Bony Pelvis

- True and False Pelvis
- Pelvic Inlet
 - Measurements
- Pelvic Outlet

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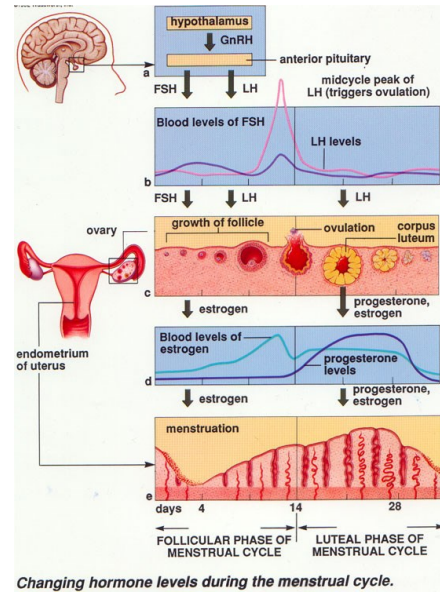


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Reproductive Cycle and Menstruation

- Hormones
 - FSH – follicle stimulating hormone
 - LH – luteinizing hormone
- Ovulation
- Corpus luteum
- Menstrual cycle

Menstrual Cycle

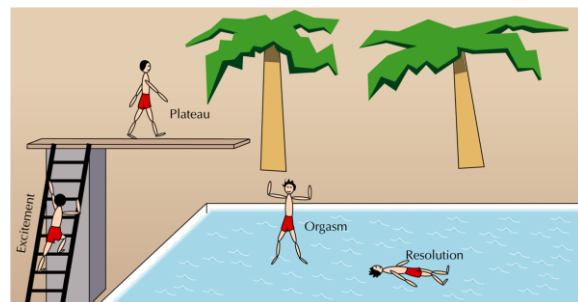


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The Human Sexual Response

- Four phases
 - Excitement
 - Plateau
 - Orgasmic
 - Resolution
- Male sexual response
- Female sexual response

Sexual Response Cycle



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