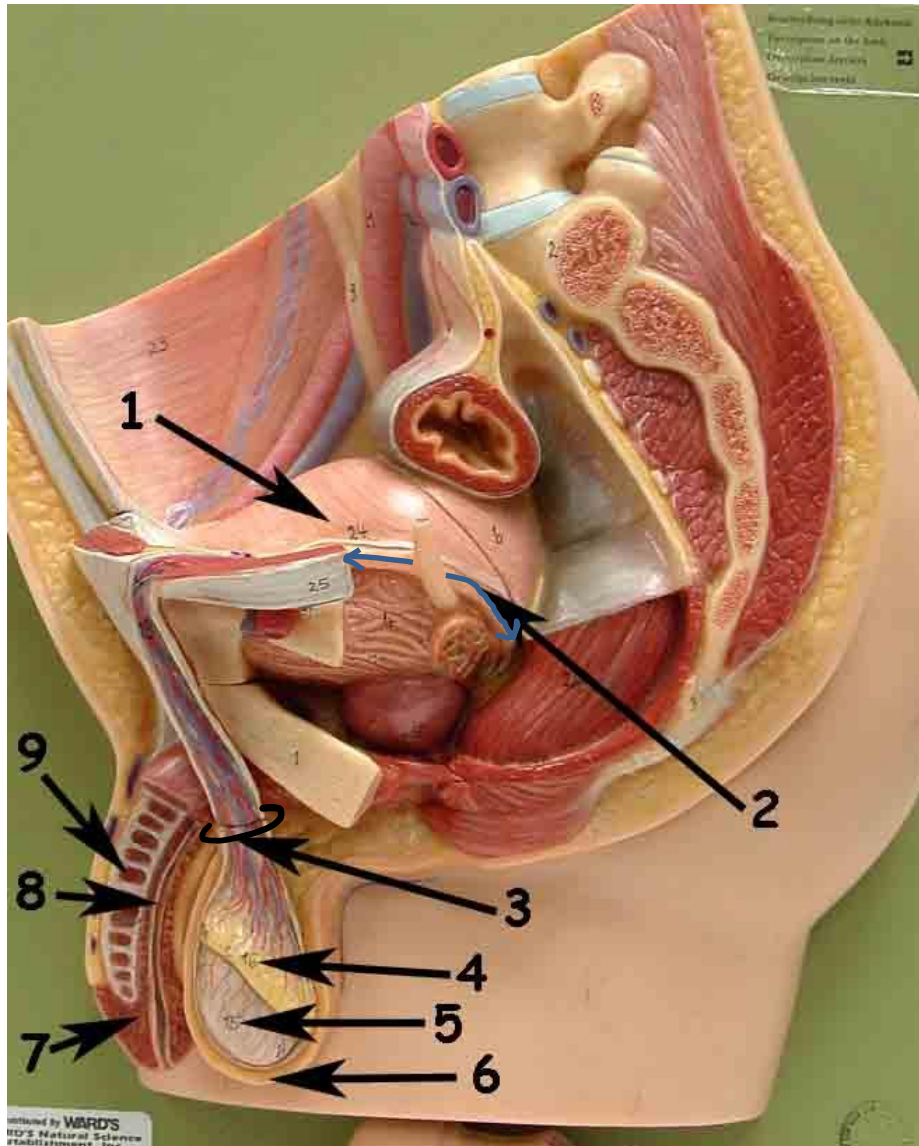


# **Practical IV**

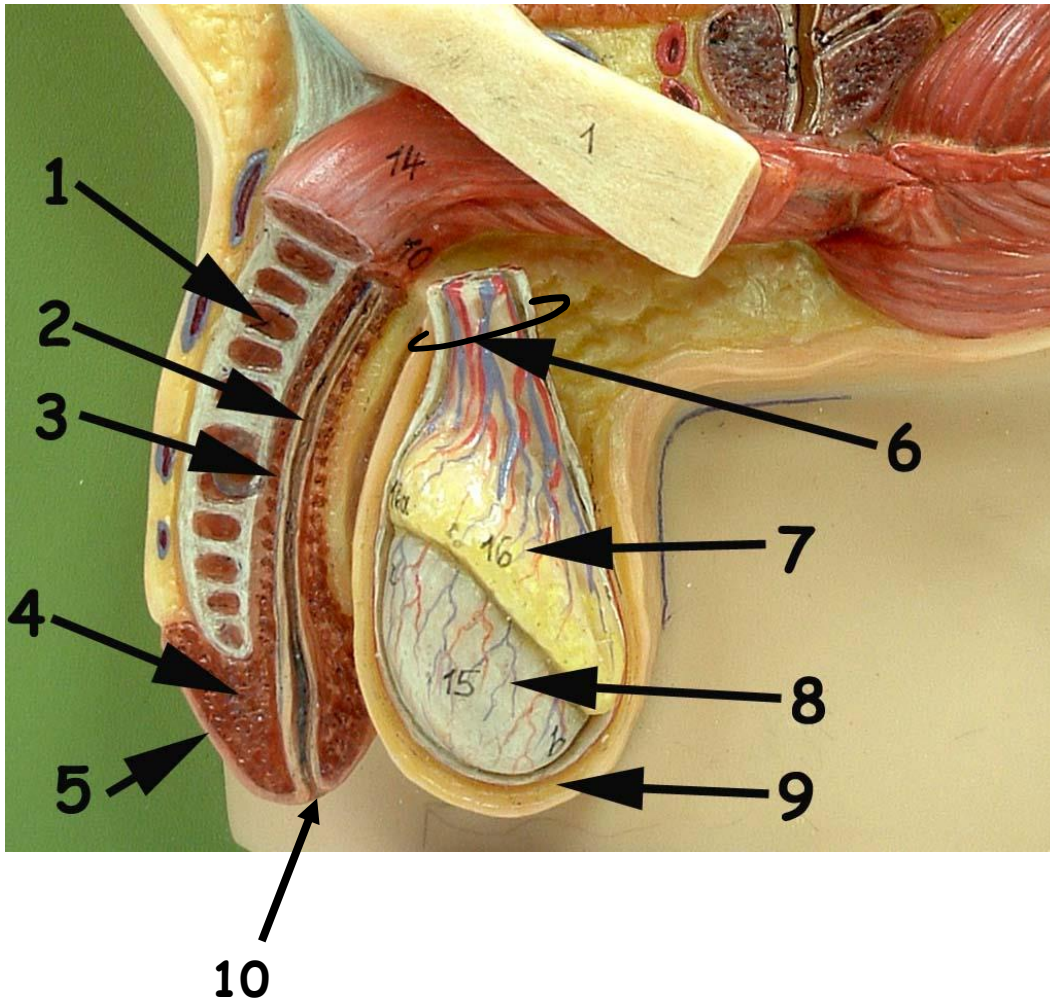
BSC 2086L

# Male reproductive organs: sagittal view



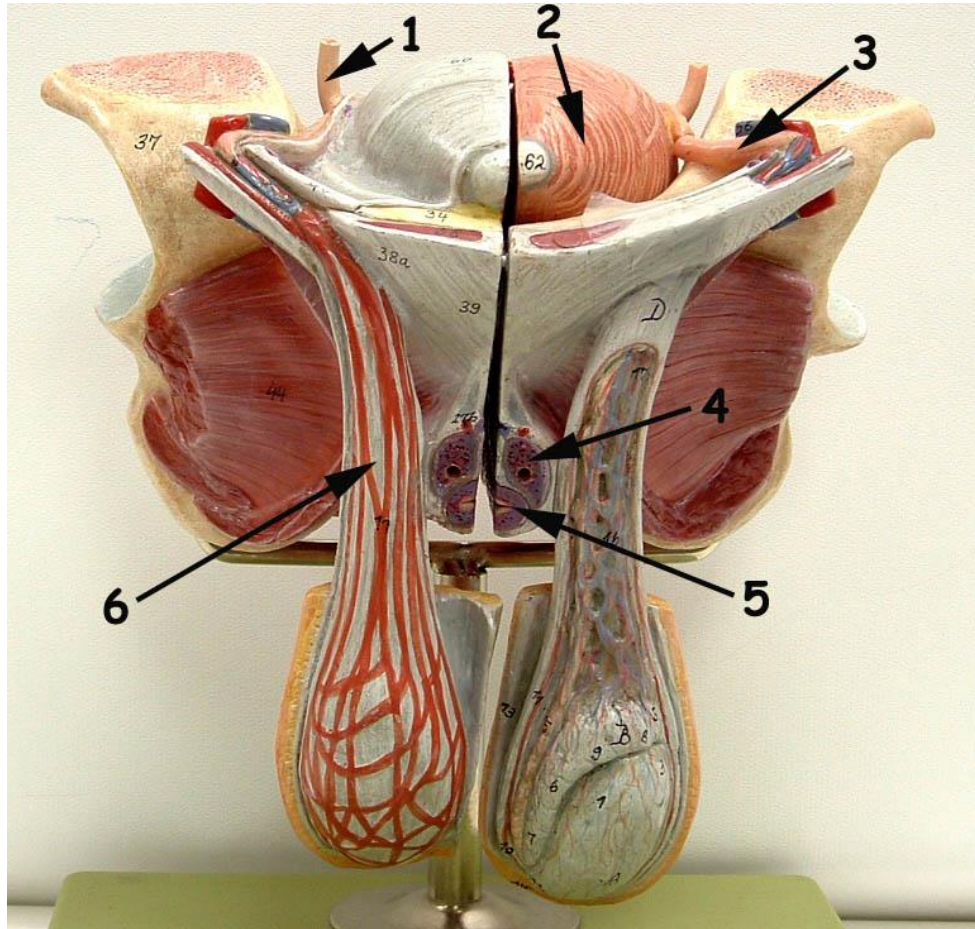
1. Urinary Bladder
2. Ductus deferens
3. Spermatic cord
4. Epididymis (Body)
5. Testis
6. Scrotum
7. Glans penis
8. Spongy (penile) urethra
9. Corpus cavernosum

# Male reproductive organs: sagittal view



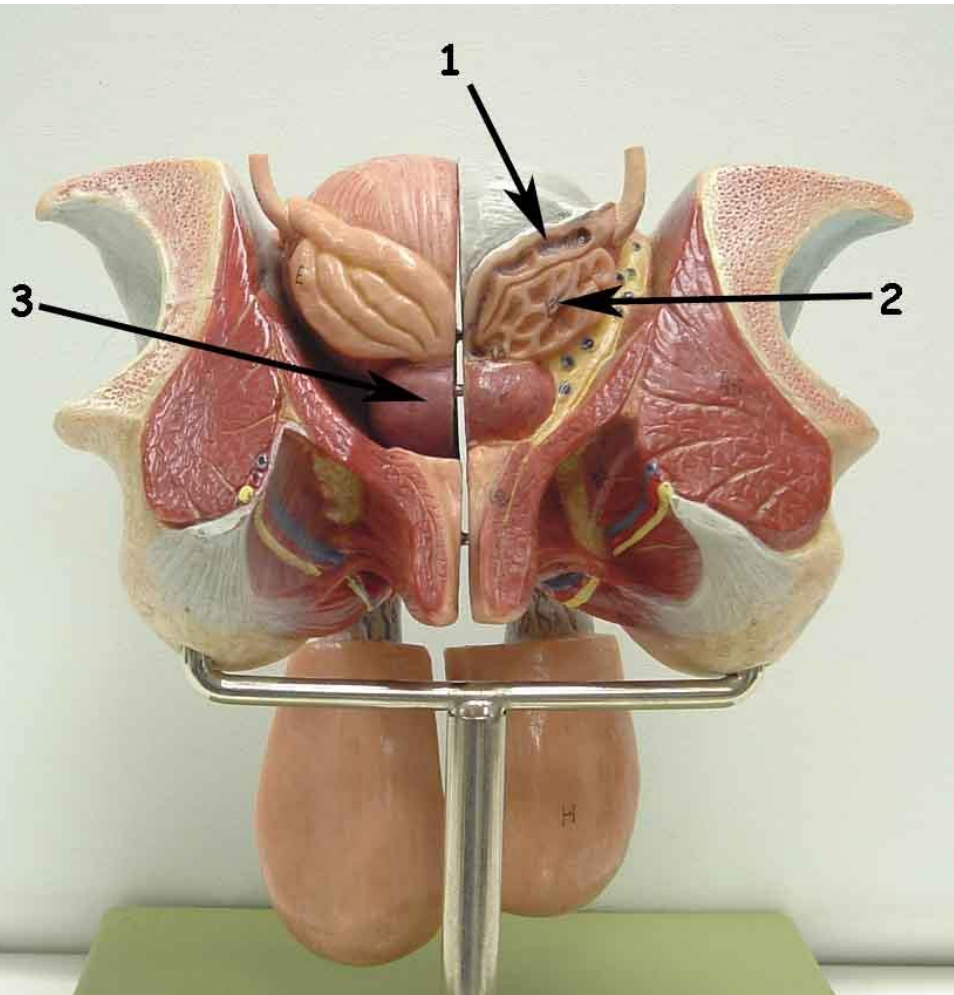
1. Corpus cavernosum
2. Spongy (penile) urethra
3. Corpus spongiosum
4. Glans penis
5. Prepuce (Foreskin)
6. Spermatic cord
7. Epididymis (Body)
8. Testis
9. Scrotum
10. External urethral orifice

# Male reproductive organs: anterior view



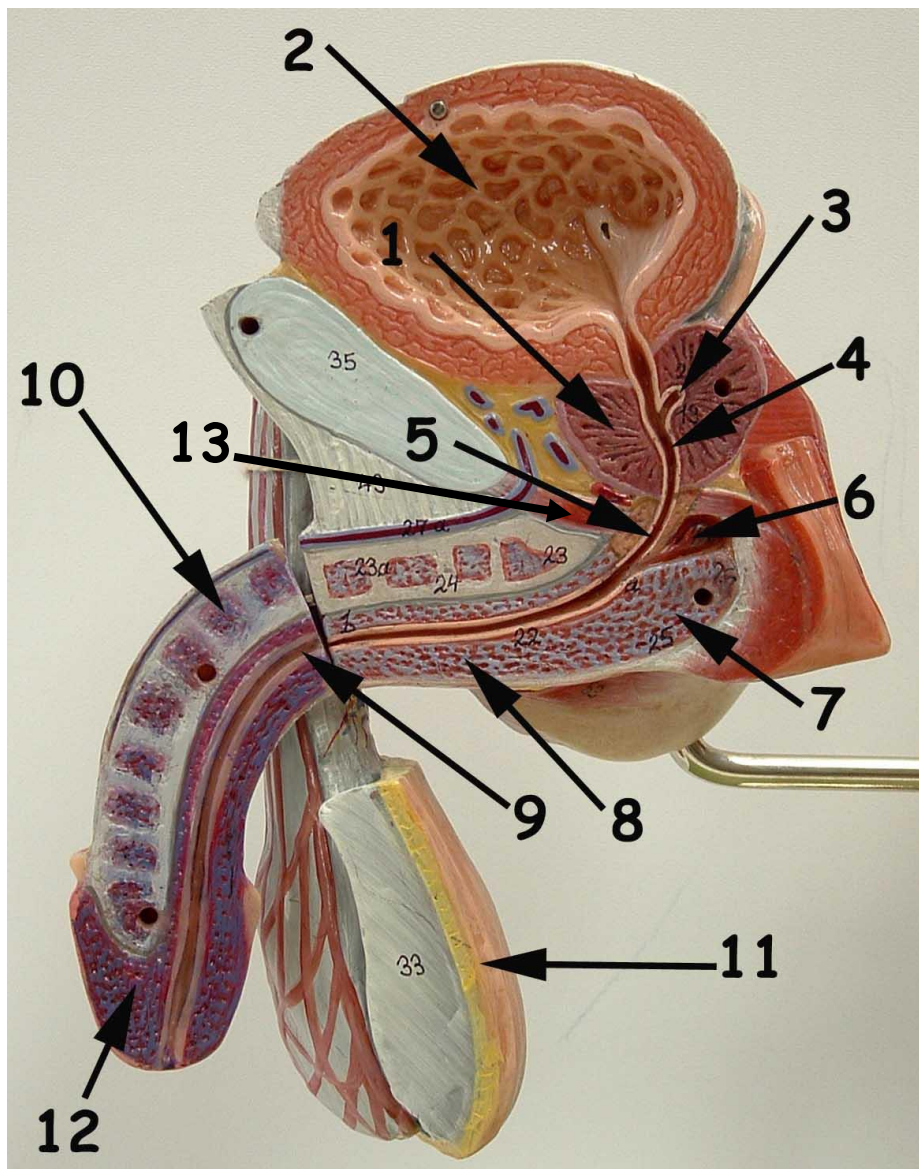
1. Ureter
2. Urinary bladder
3. Ductus deferens
4. Corpus cavernosum
5. Corpus spongiosum
6. Spermatic cord

# Male reproductive organs: posterior view



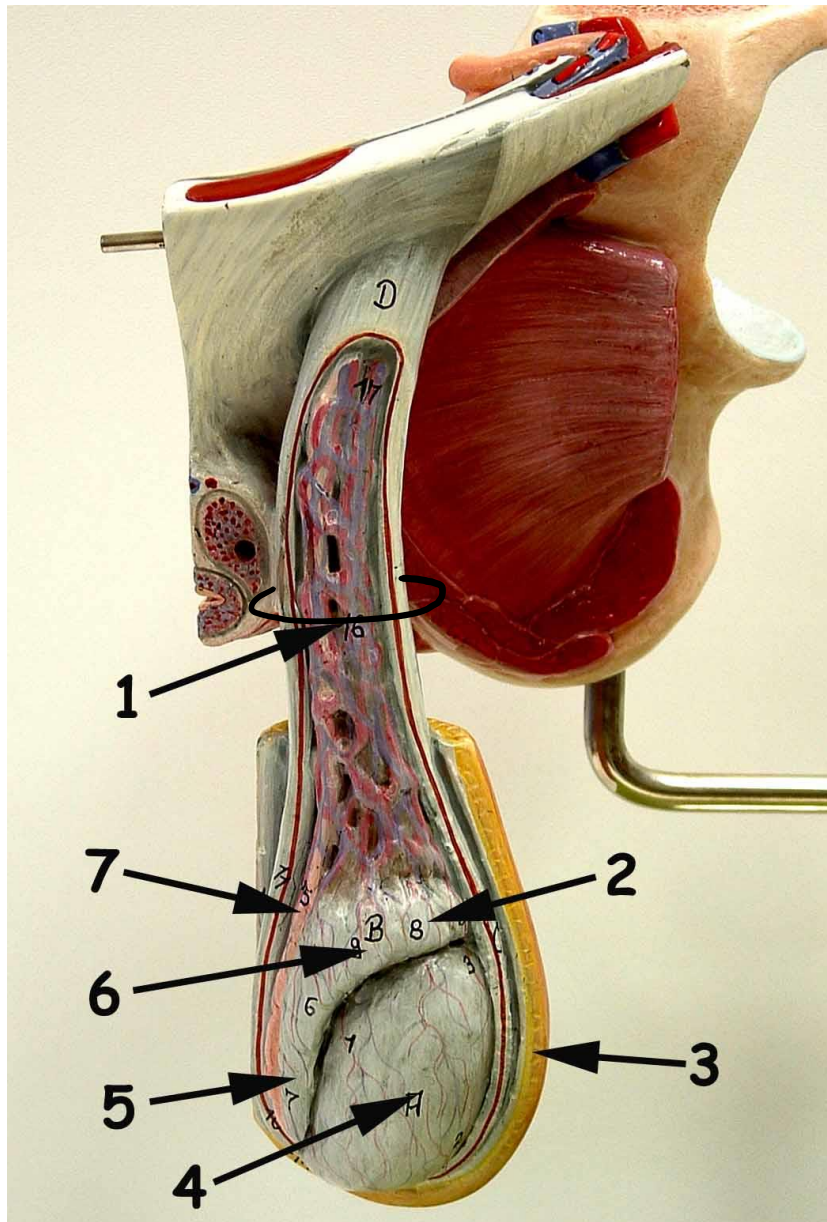
1. Ampulla of Ductus deferens
2. Seminal vesicle
3. Prostate

# Male reproductive organs: sagittal view



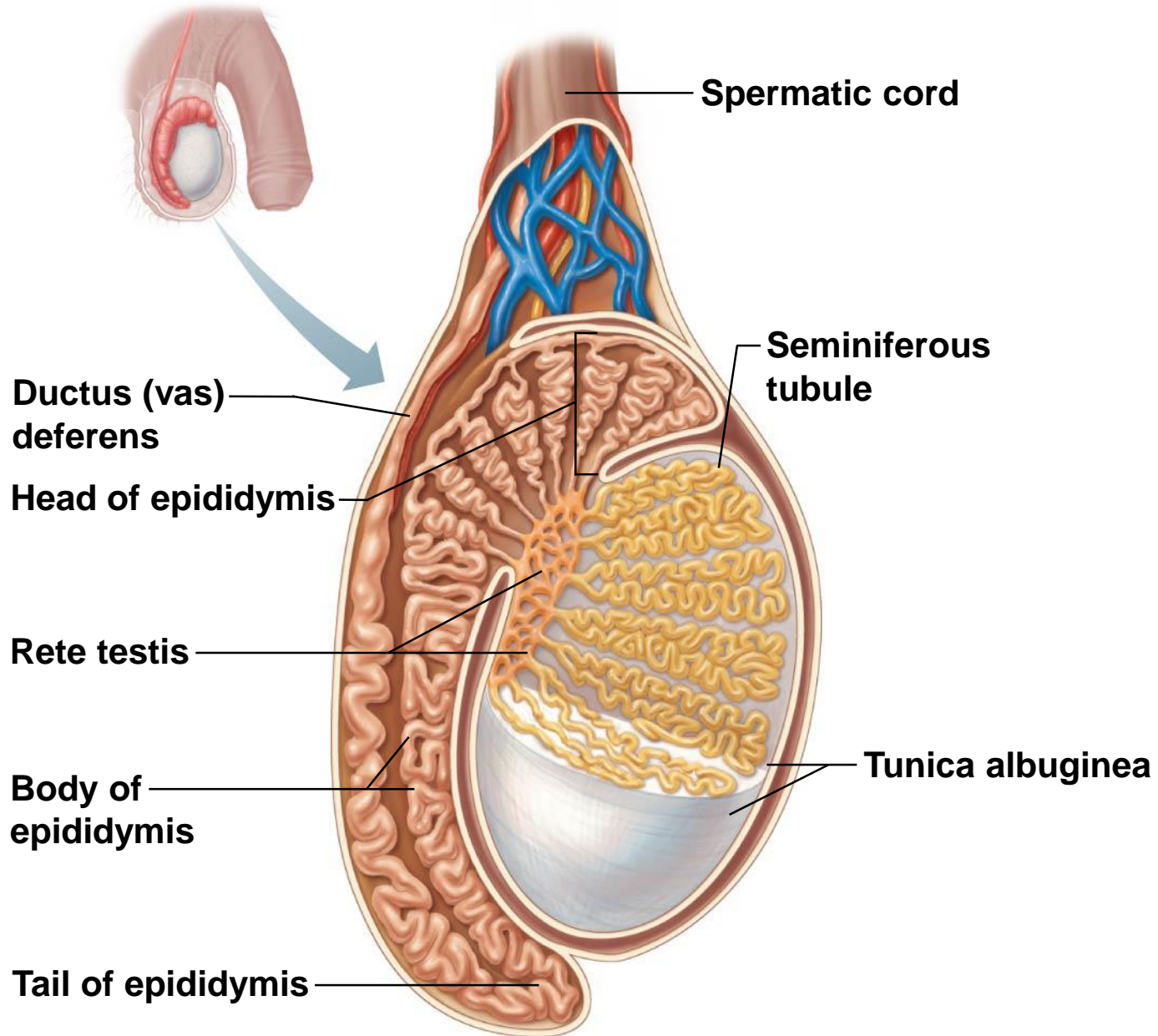
1. Prostate gland
2. Urinary Bladder
3. Ejaculatory duct
4. Prostatic urethra
5. Membranous urethra
6. Bulbourethral gland
7. Bulb of penis
8. Corpus spongiosum
9. Spongy (penile) urethra
10. Corpus cavernosum
11. Scrotum
12. Glans penis
13. Urogenital diaphragm

# Structure of the Testis



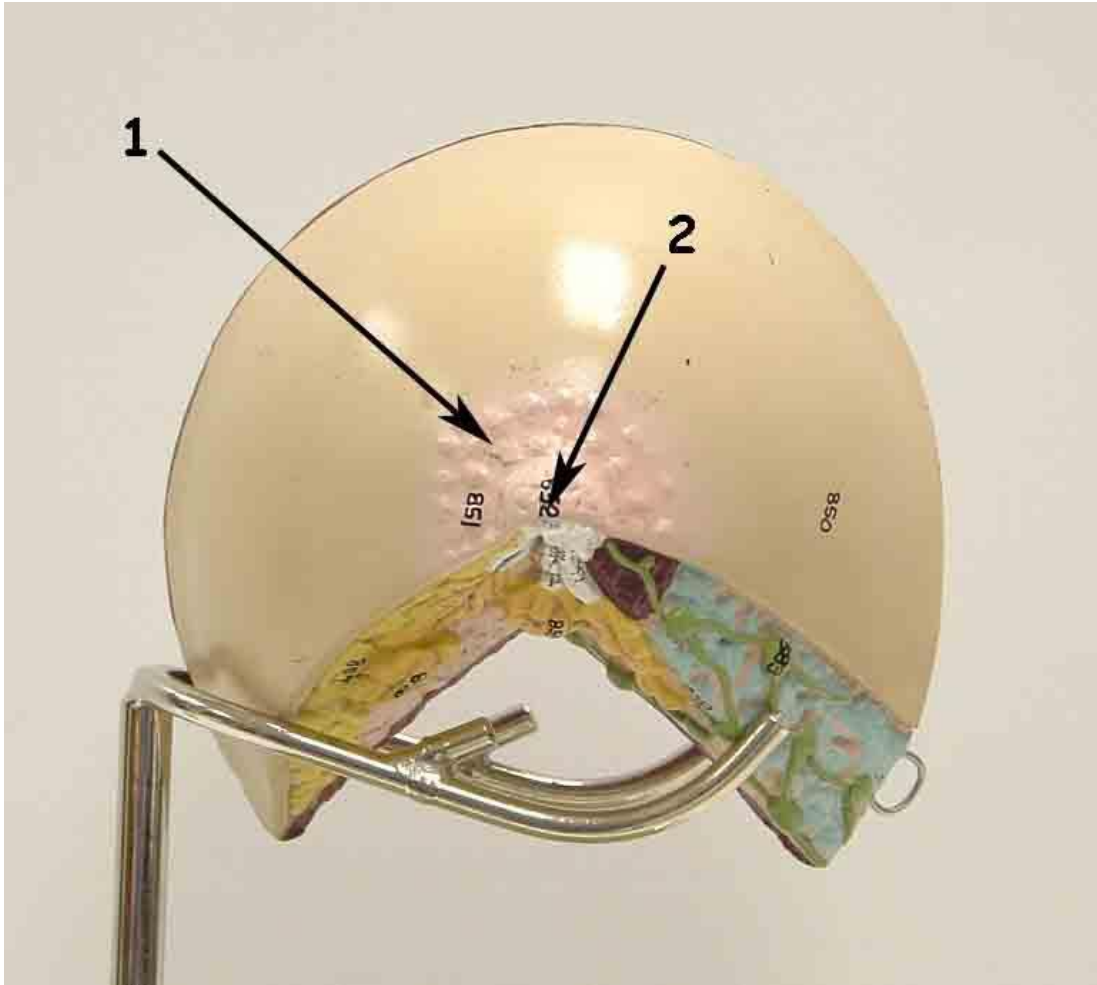
1. Spermatic cord
2. Epididymis (Head)
3. Scrotum
4. Testis
5. Epididymis (Tail)
6. Epididymis (Body)
7. Ductus deferens

**Figure 42.2a (Marieb) Structure of the testis.**



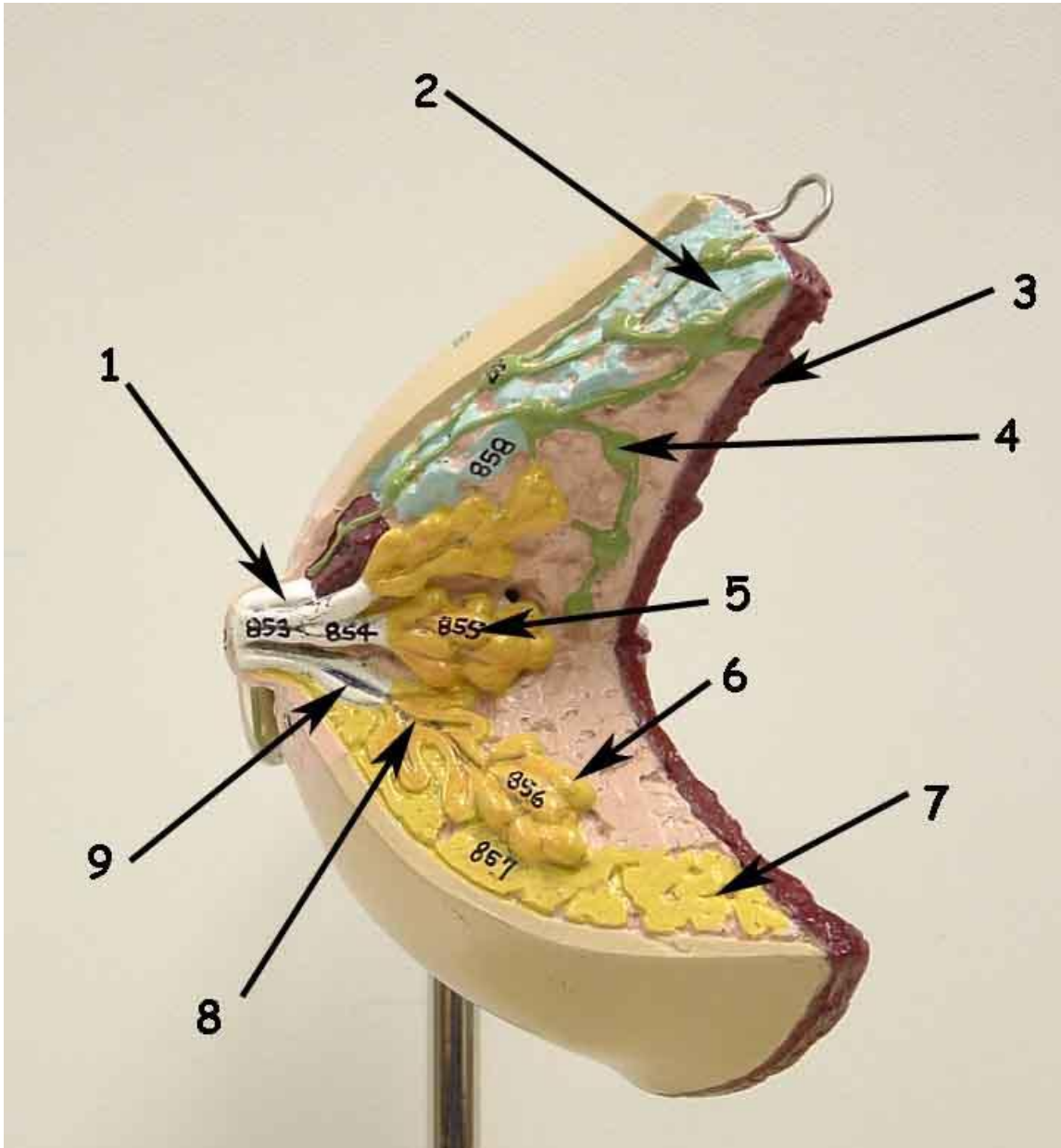


# The mammary gland-anterior view



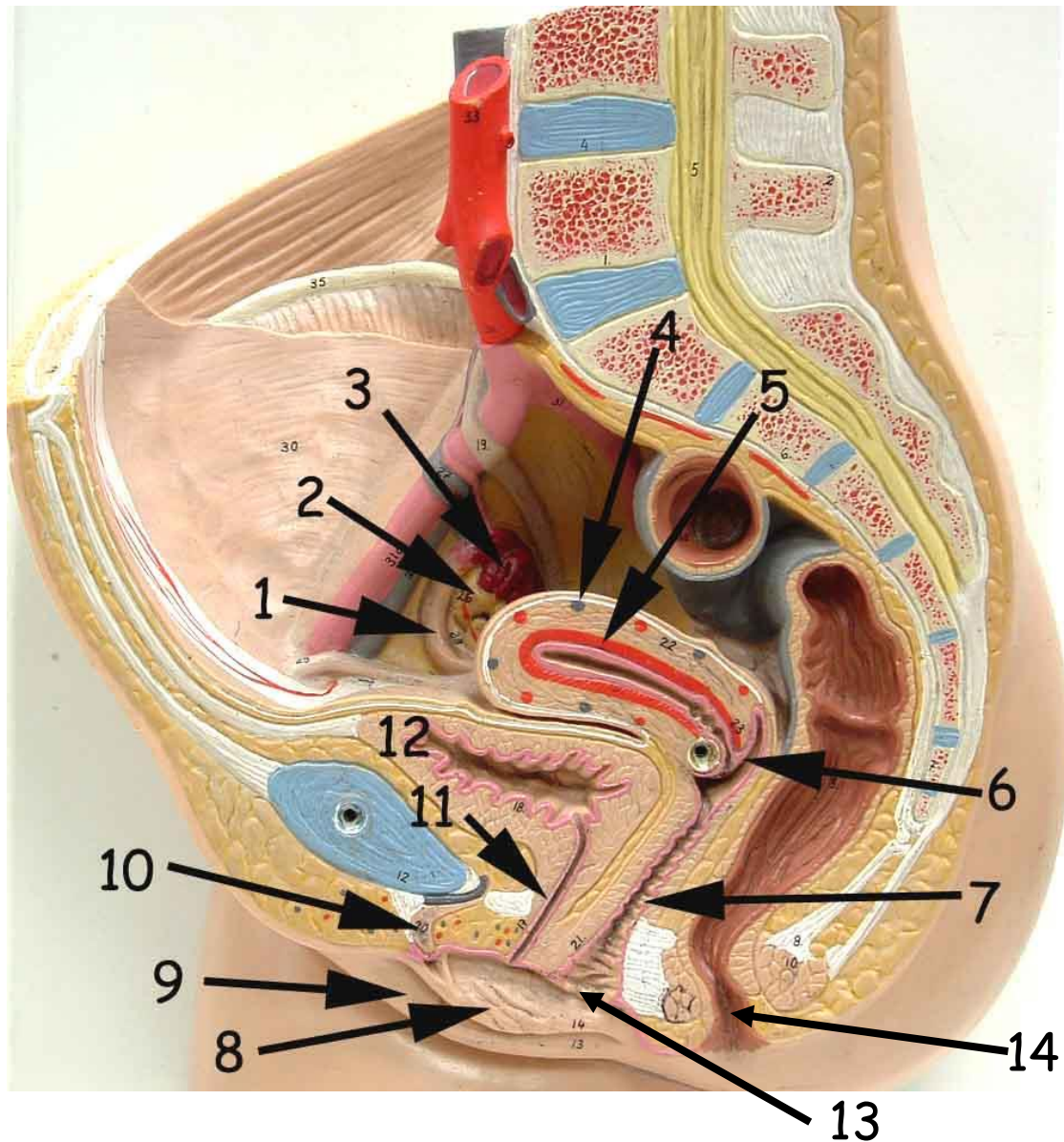
1. Areola
2. Nipple

# The mammary gland-sagittal view



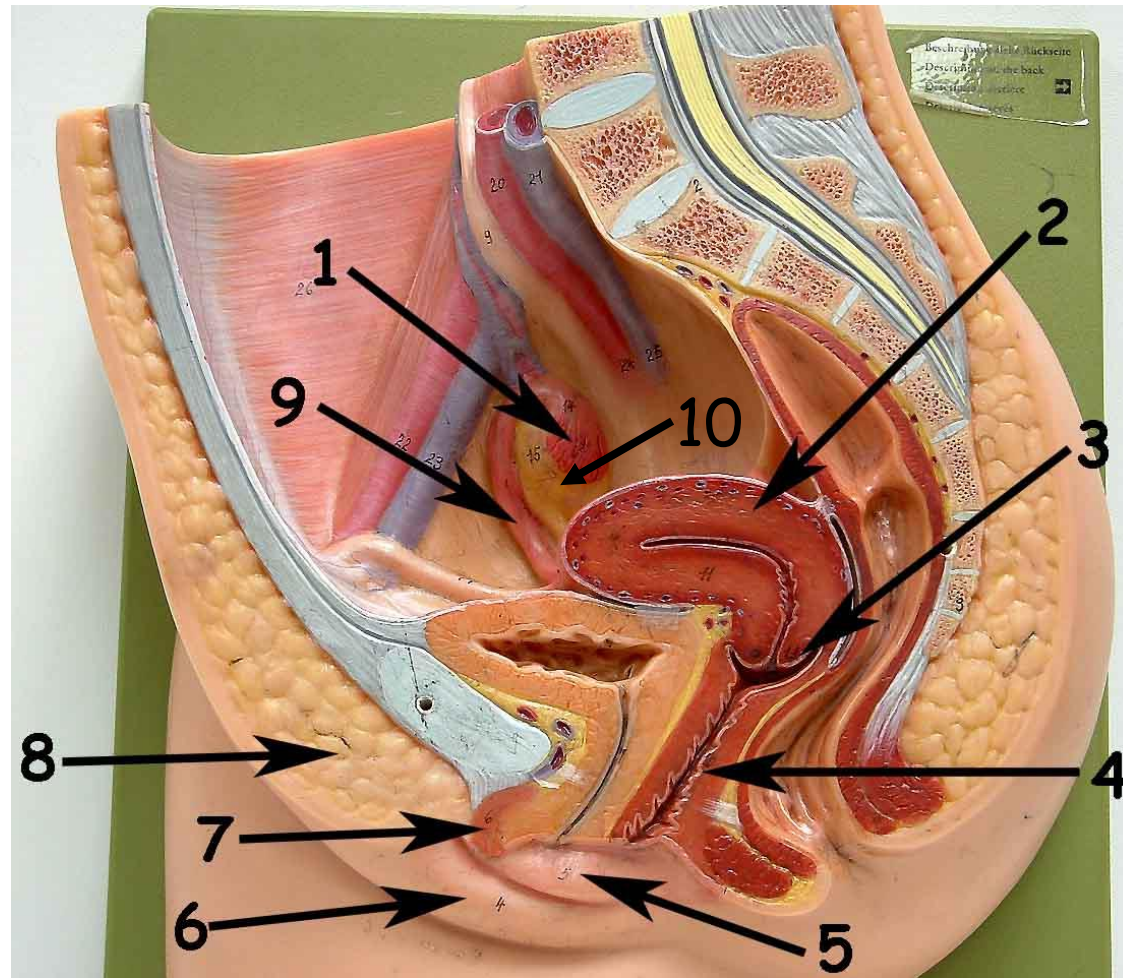
1. Nipple
2. Suspensory ligament
3. Pectoralis major
4. Lymph node
5. Alveoli
6. Lobule (containing alveoli)
7. Adipose tissue
8. Lactiferous duct
9. Lactiferous sinus

# Female reproductive organs: sagittal view



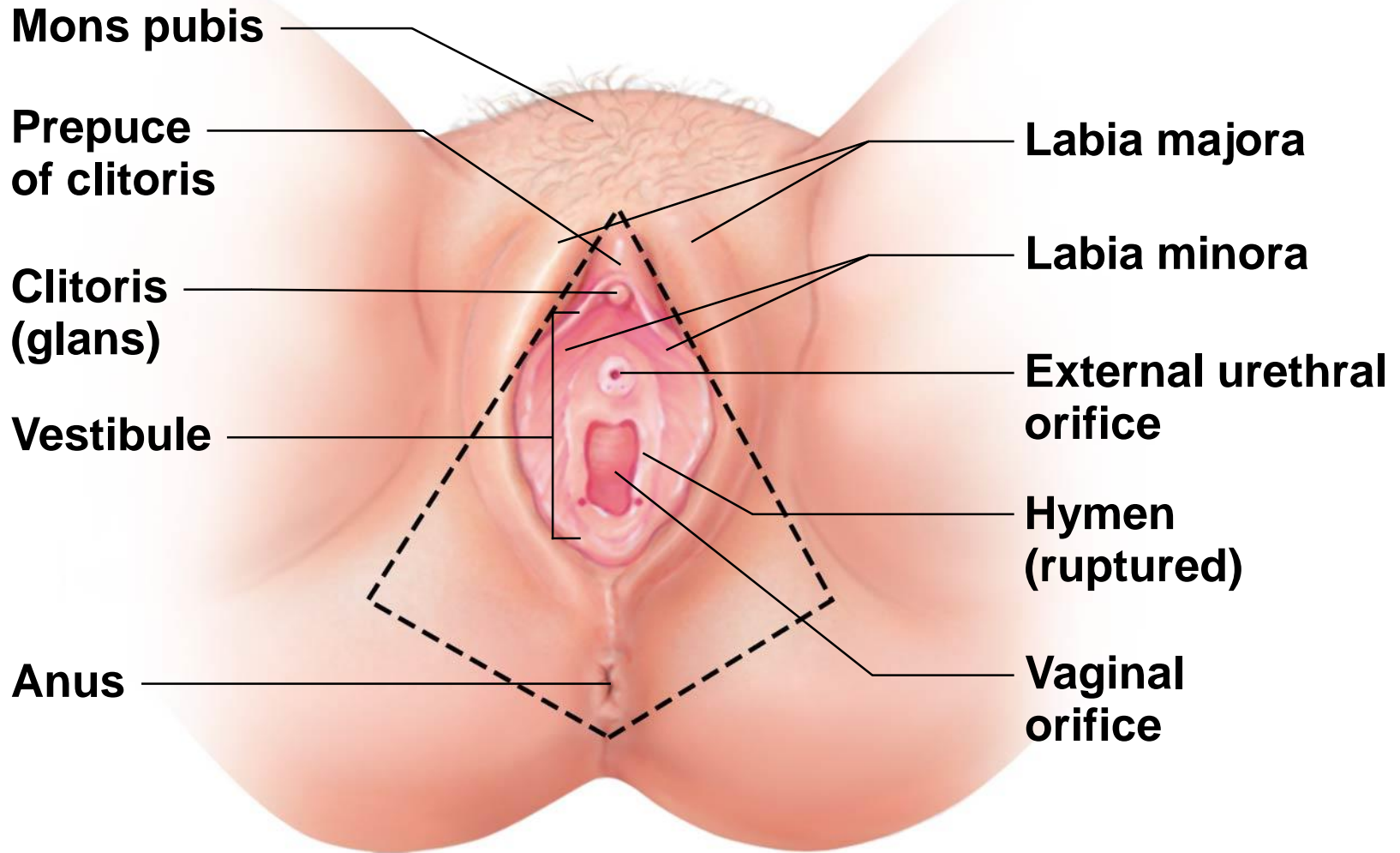
1. Uterine tube
2. Ovary
3. Uterine tube (Infundibulum)
4. Uterus (Perimetrium)
5. Uterus (Endometrium)
6. Cervix
7. Vagina
8. Labium minus
9. Labium majus
10. Clitoris
11. Urethra
12. Urinary bladder
13. Vaginal orifice
14. Anus

# Female reproductive organs: sagittal view



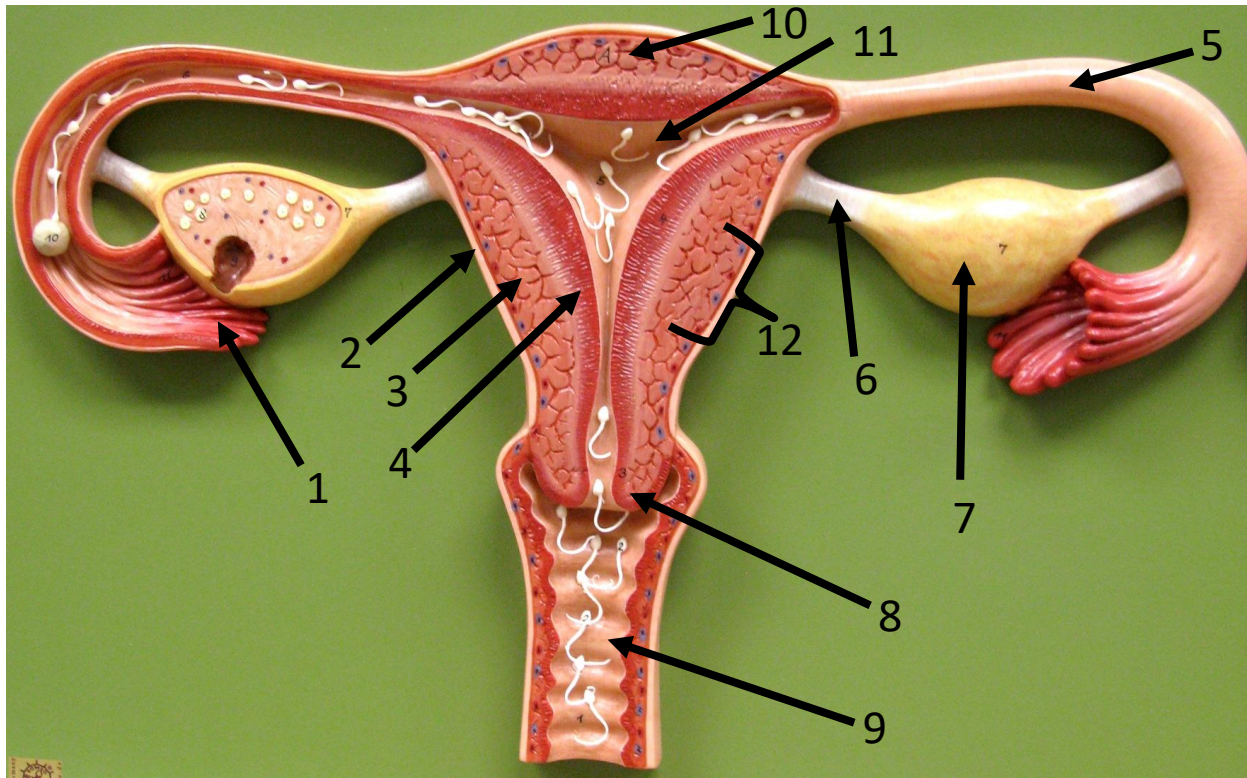
1. Fimbriae
2. Uterus (Myometrium)
3. Cervix
4. Vagina
5. Labium minus
6. Labium majus
7. Clitoris
8. Mons pubis
9. Uterine tube
10. Ovary

**Figure 42.6 (Marieb) External genitalia (vulva) of the human female.**



**Perineum: enclosed by dashed line**

# Female reproductive organs: Frontal view



1. Fimbriae

2. Uterine wall (Perimetrium)

3. Uterine wall (Myometrium)

4. Uterine wall (Endometrium)

5. Uterine tube

6. Ovarian Ligament

7. Ovary

8. Cervix

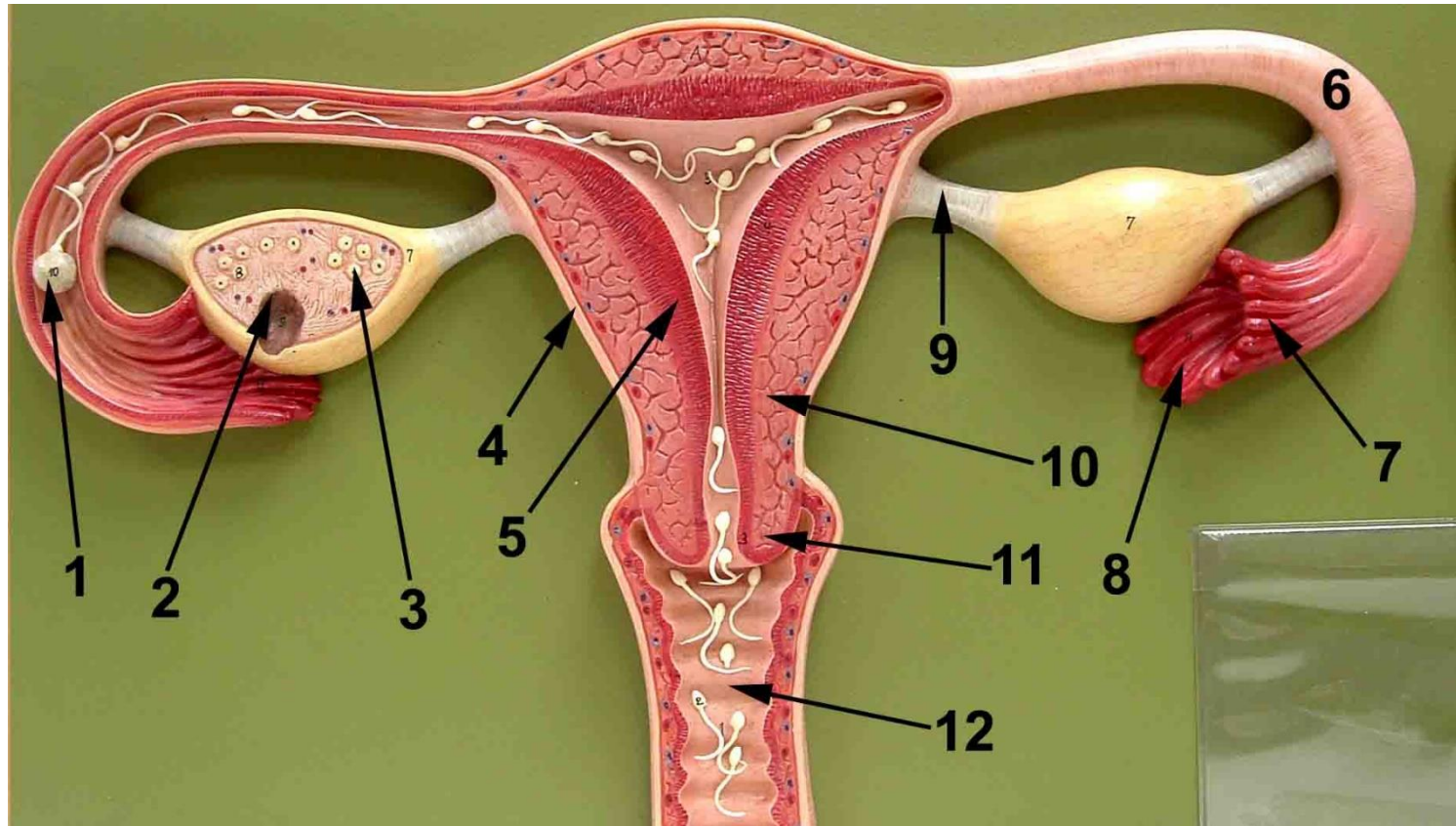
9. Vagina

10. Fundus of uterus

11. Lumen (cavity) of uterus

12. Body of uterus

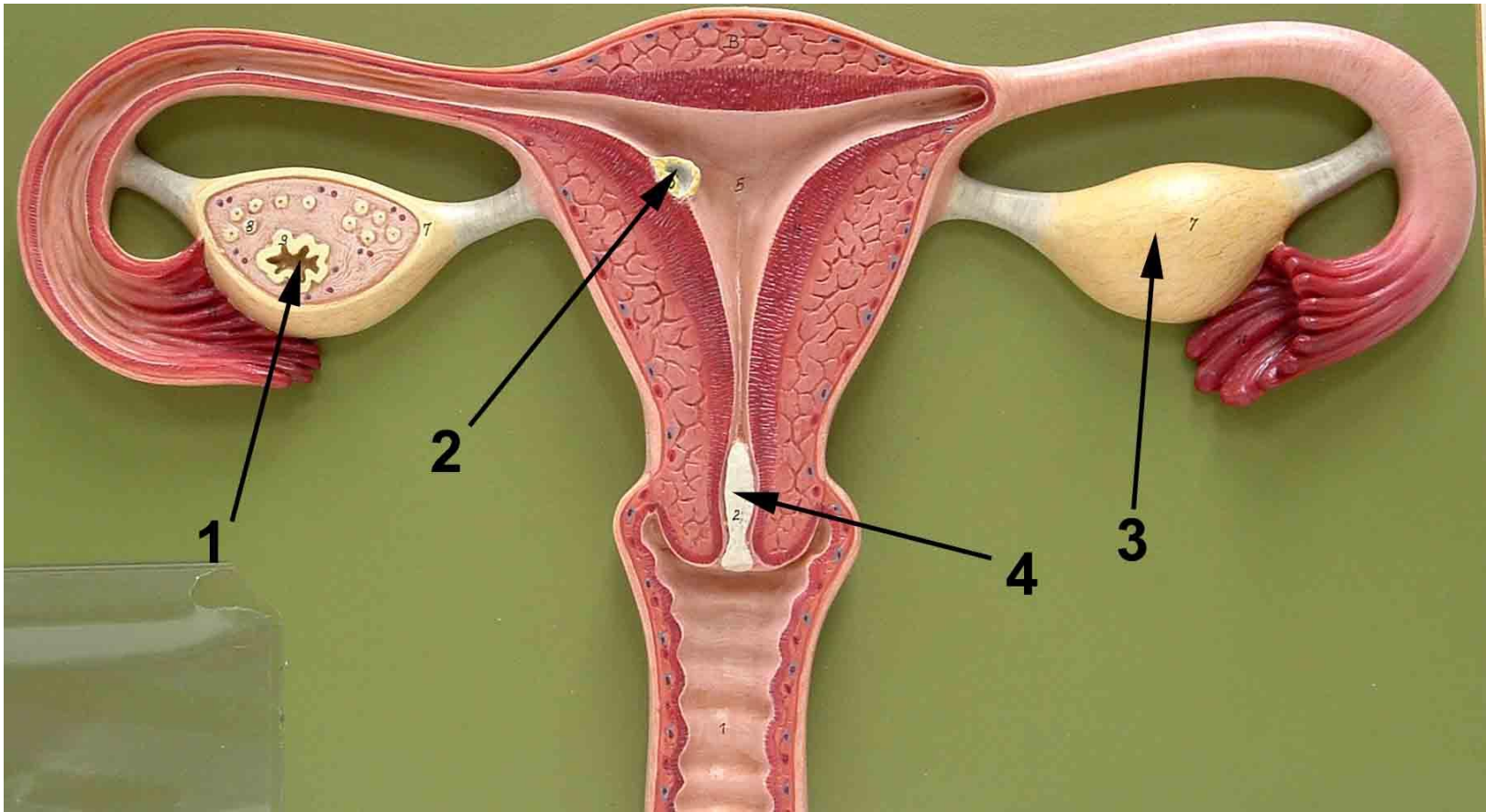
# Female reproductive organs: Frontal view



1. Fertilization of Ovum
2. Ovulated Graafian follicle
3. Primary follicle
4. Uterus (Perimetrium)
5. Uterus (Endometrium)
6. Uterine tube

- 6 & 7. Uterine tube (Fimbriae)
9. Ovarian ligament
10. Myometrium
11. Cervix
12. Vagina

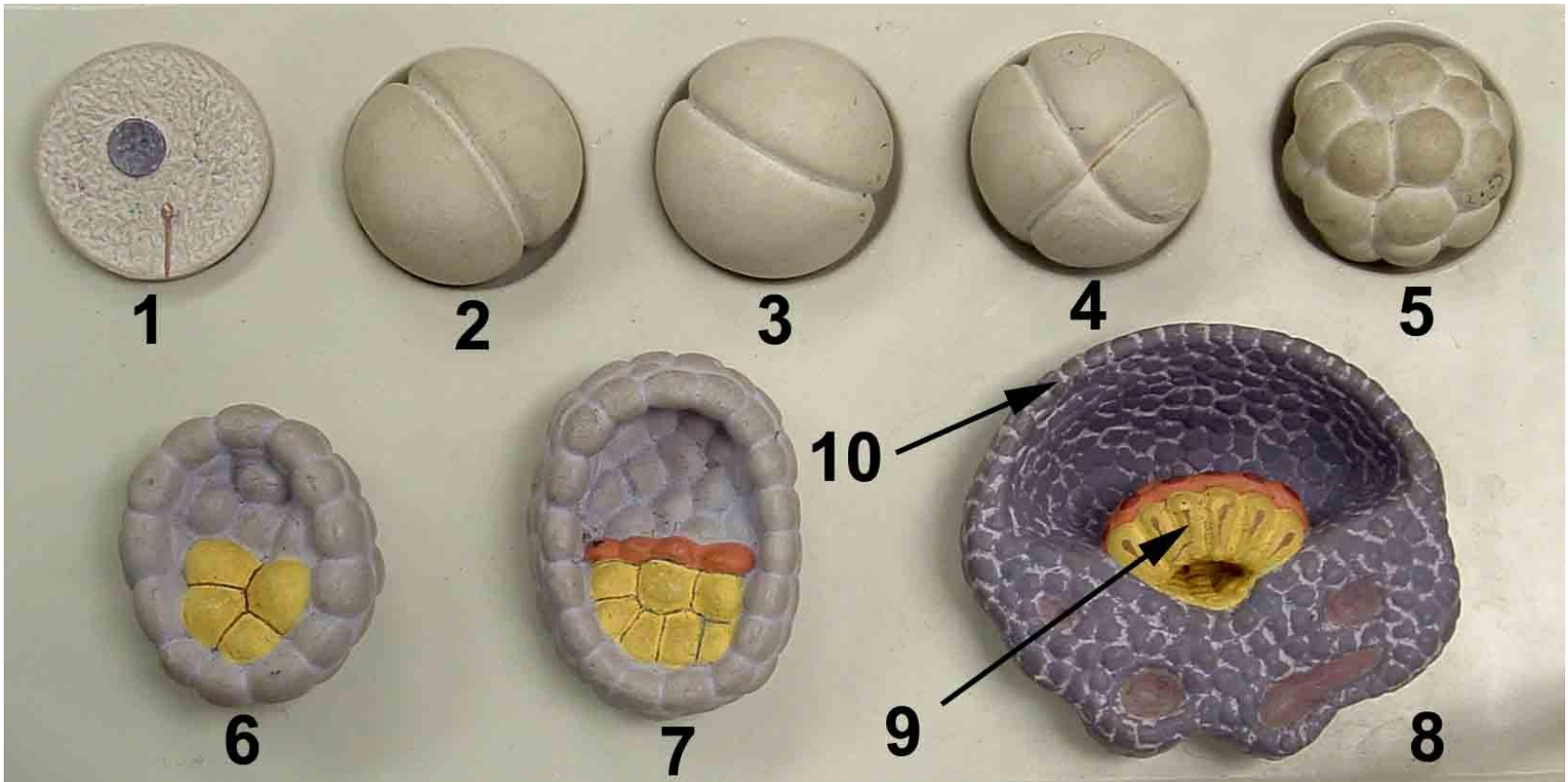
# Female reproductive organs: Frontal view



1. Corpus luteum
2. Implanting Blastocyst
3. Ovary
4. Mucous plug



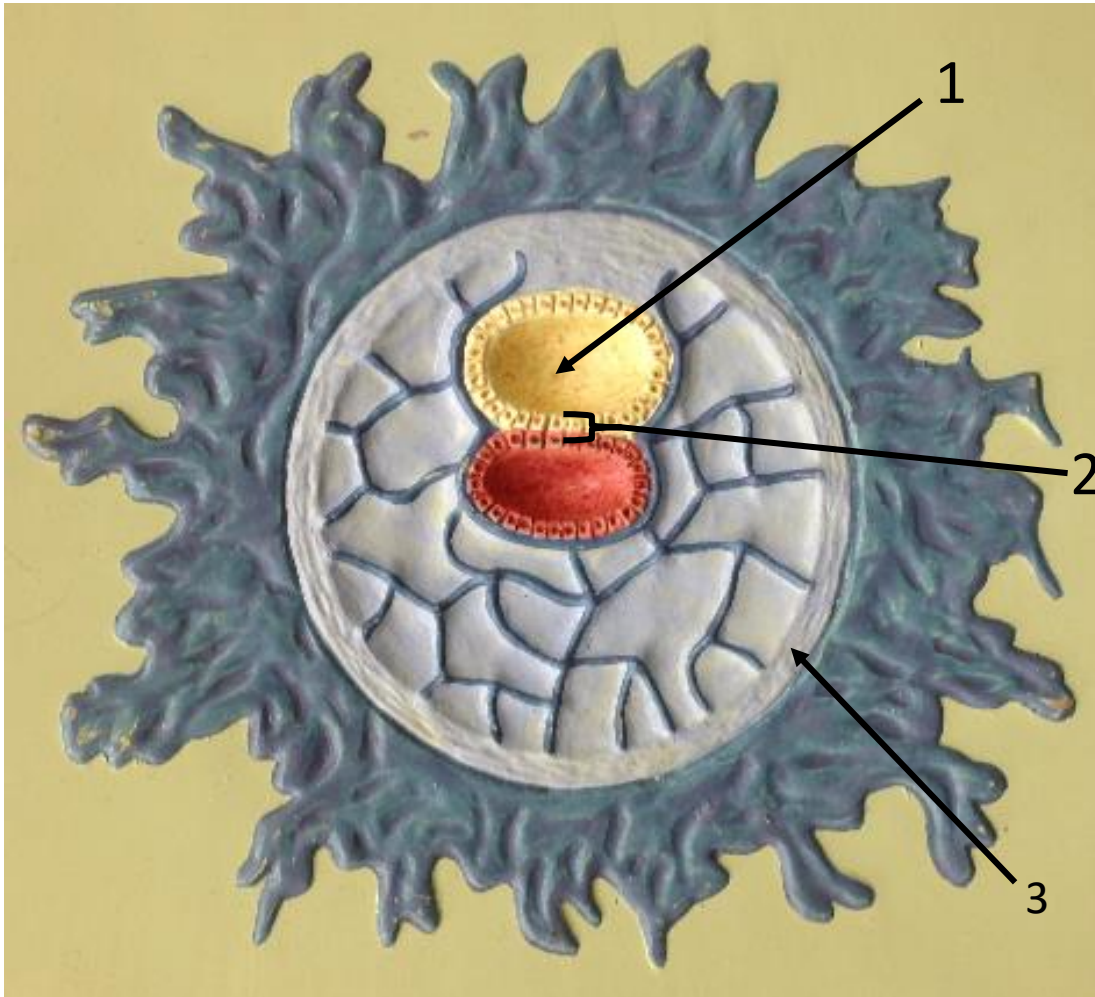
# Stages of early embryonic development



1. Zygote
2. 2 Cell Stage
3. 4 Cell Stage
4. 8 Cell Stage
5. Morula

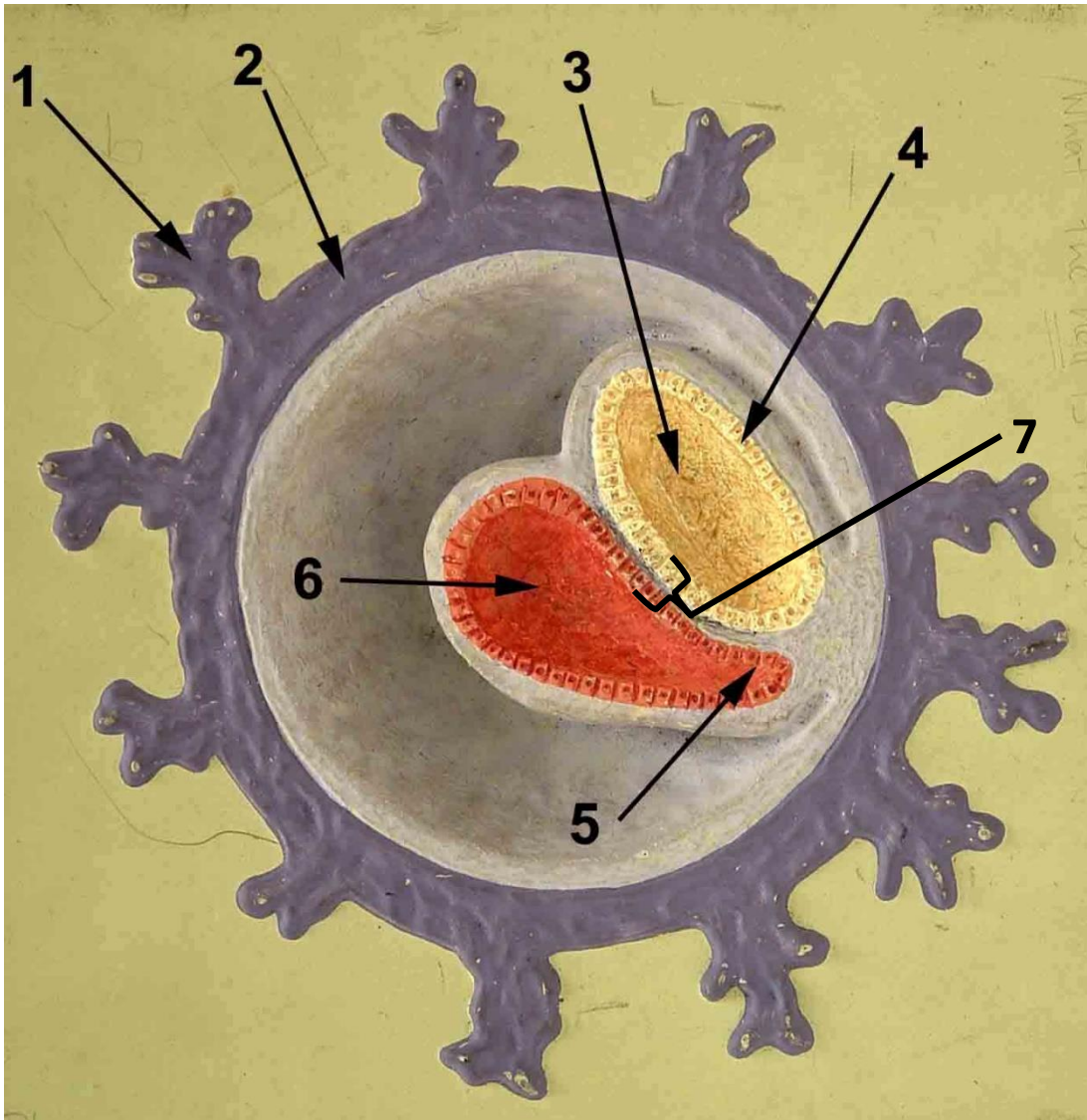
6. Early blastocyst
7. Mid blastocyst
8. Late blastocyst
9. Inner cell mass
10. Trophoblast

# 7 ½ day implanting blastocyst



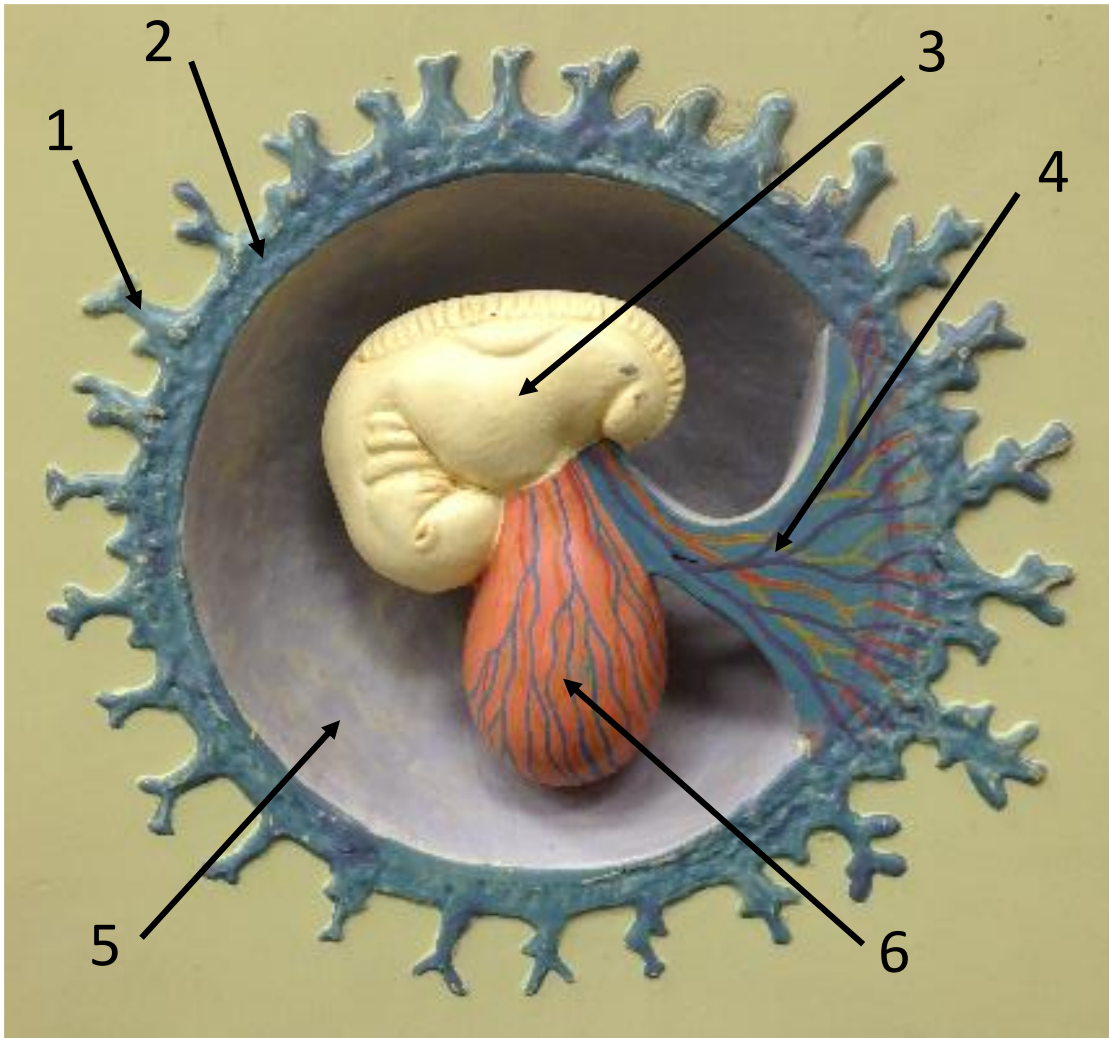
1. Amnionic cavity
2. Embryonic disc
3. Trophoblast

# 12 day blastocyst



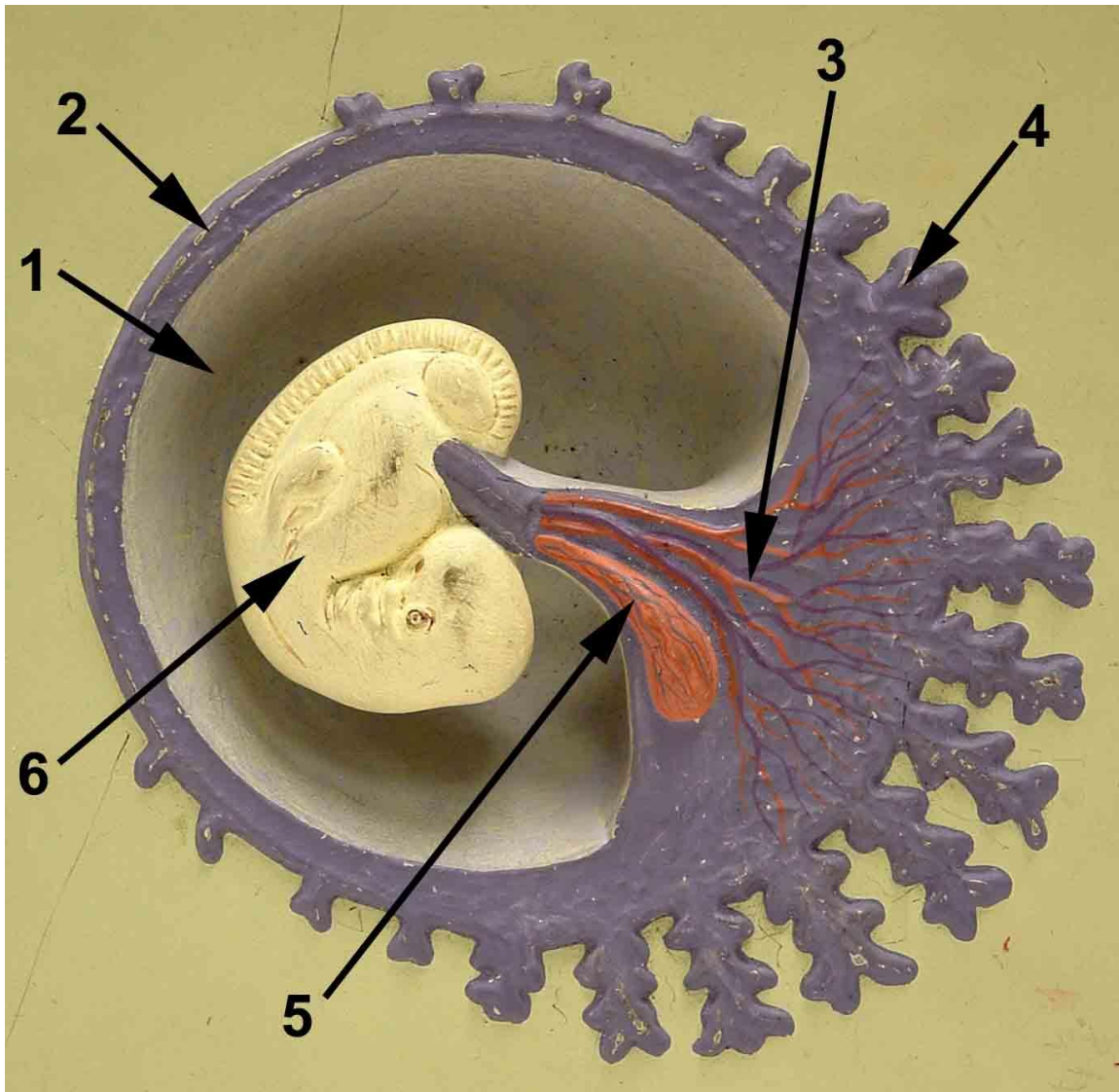
1. Chorionic villus
2. Chorion
3. Amniotic cavity
4. Amnion
5. Alantois
6. Yolk sac
7. Embryonic disc

## Early embryo



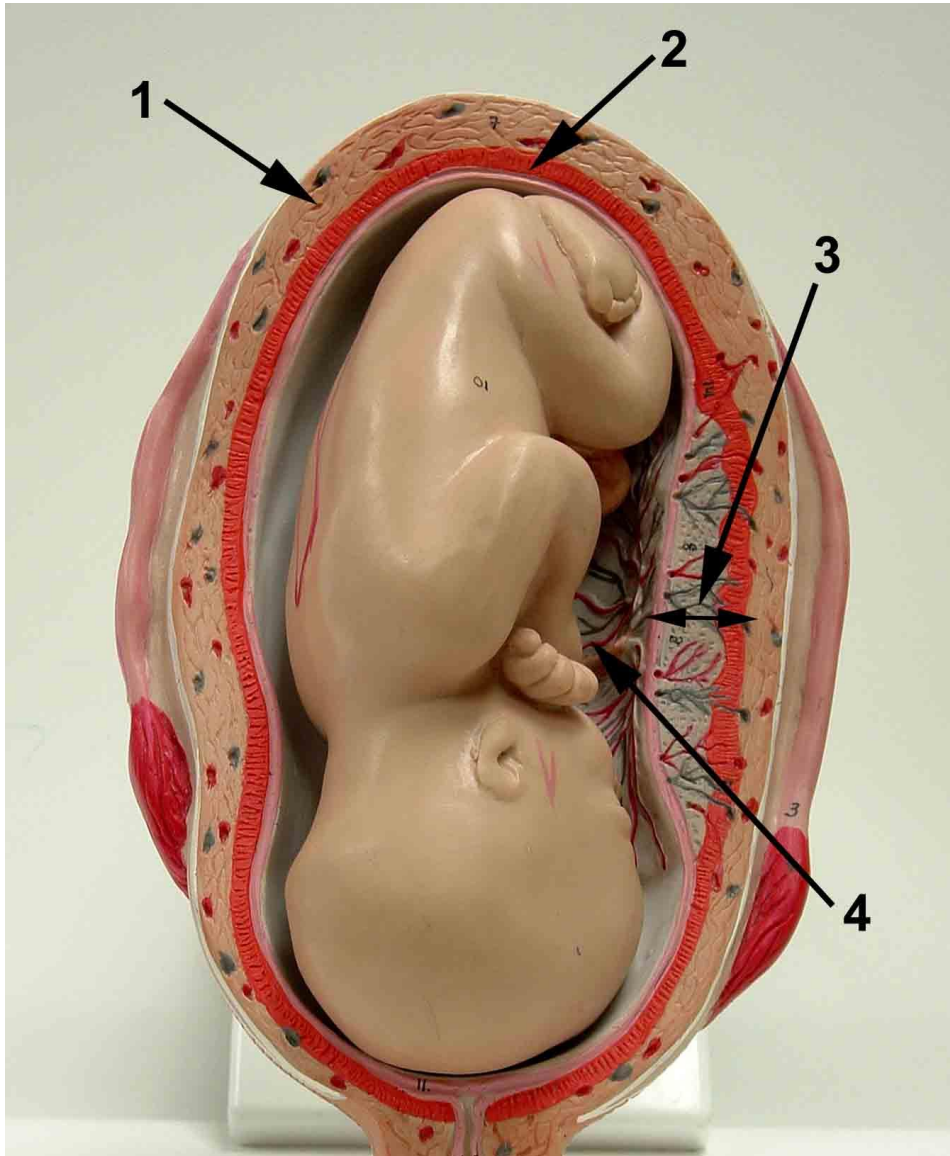
1. Chorionic villus
2. Chorion
3. Embryo in Amnion  
(amniotic cavity not shown)
4. Fetal blood vessels
5. Extraembryonic coelom
6. Yolk sac

# 4 ½ week embryo



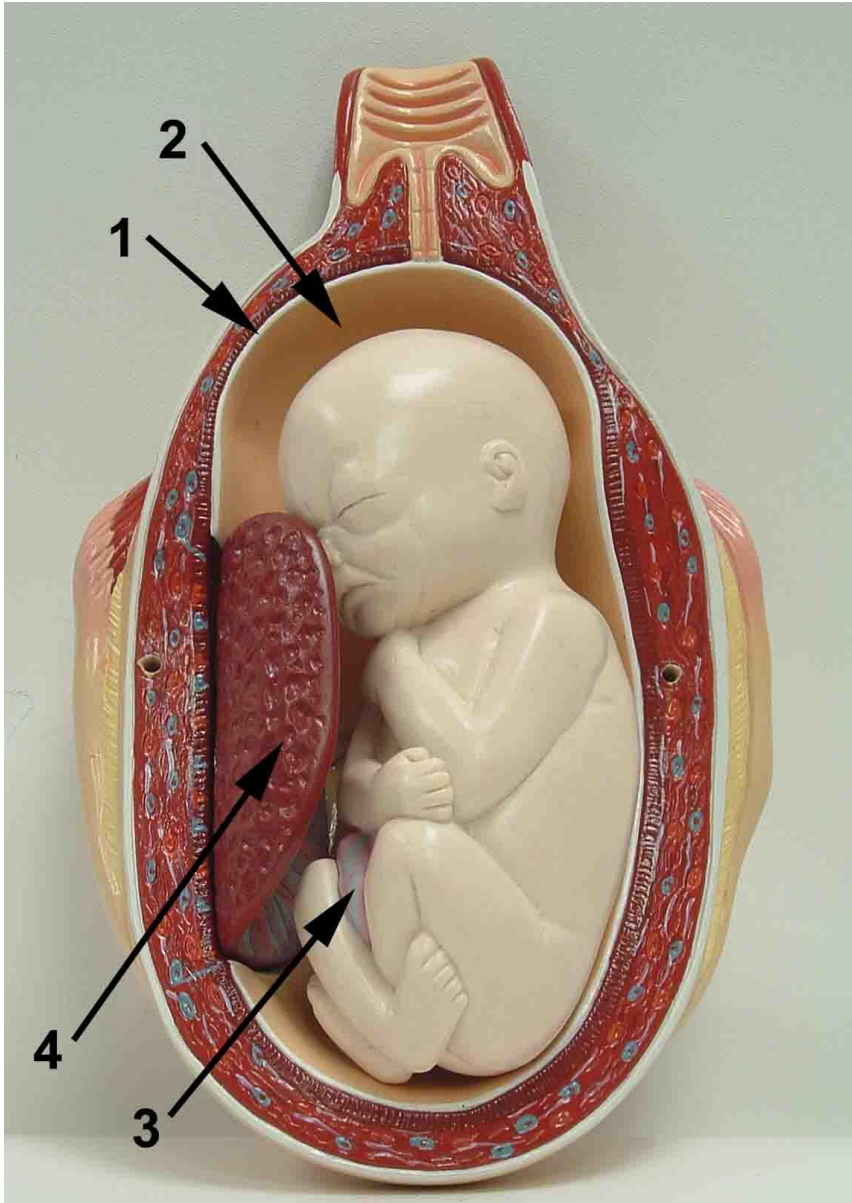
1. Extraembryonic coelom
2. Chorion
3. Fetal blood vessels
4. Chorionic villus
5. Yolk sac
6. Embryo in Amnion  
(amniotic cavity not shown)

# Fetus and placenta



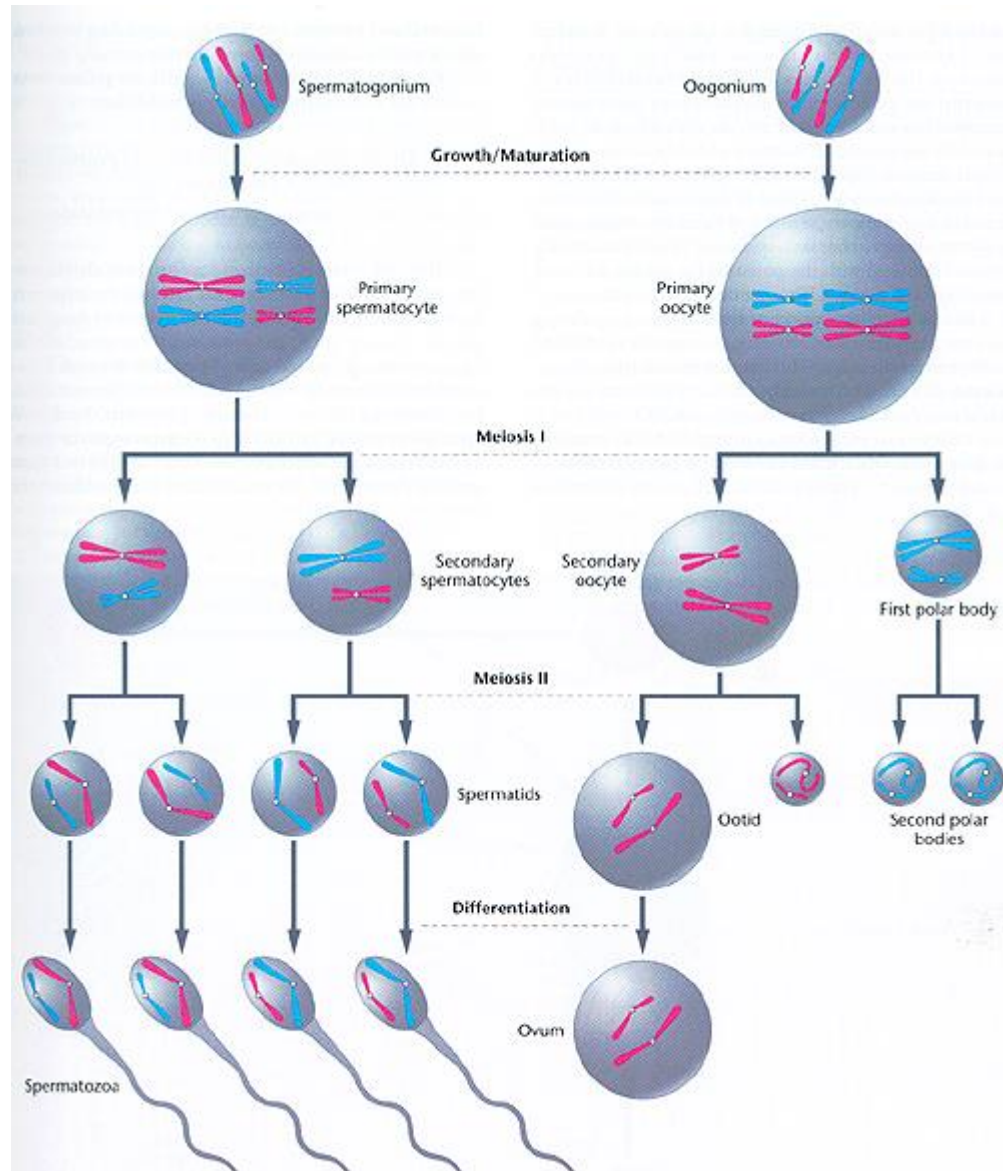
1. Myometrium
2. Endometrium
3. Placenta
4. Umbilical cord

# Fetus and placenta



1. Amnion
2. Amniotic Cavity
3. Umbilical cord
4. Placenta

# Gametogenesis





# The Menstrual Cycle

