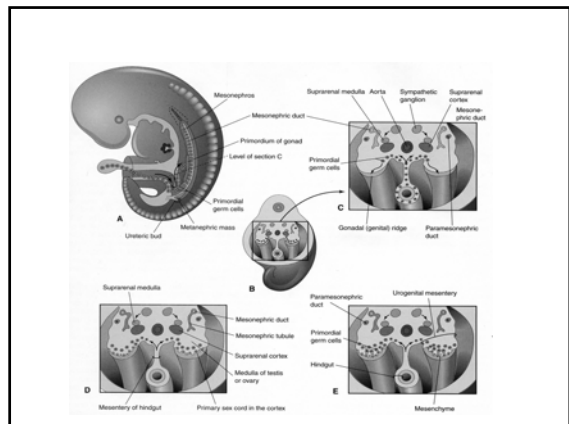
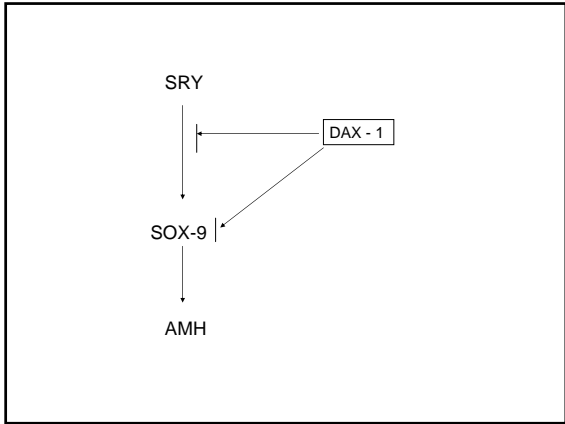
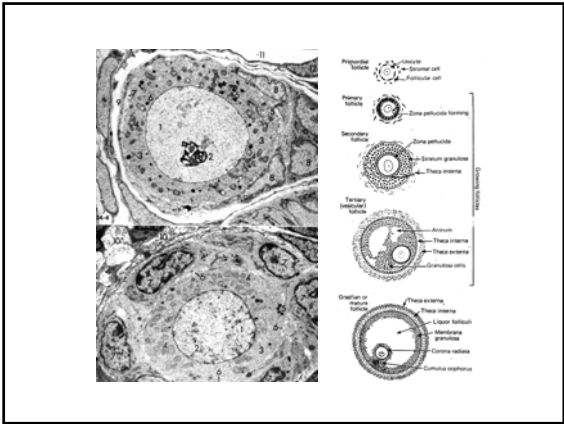
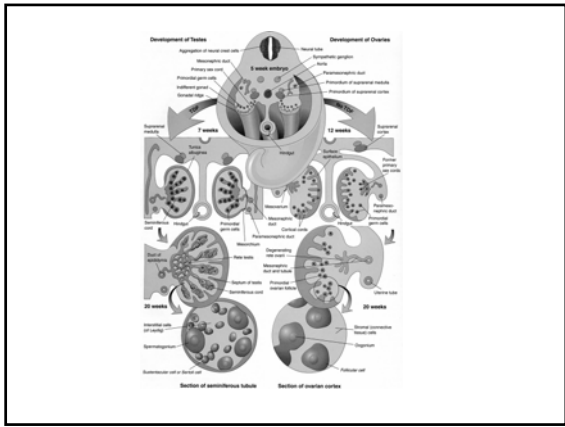
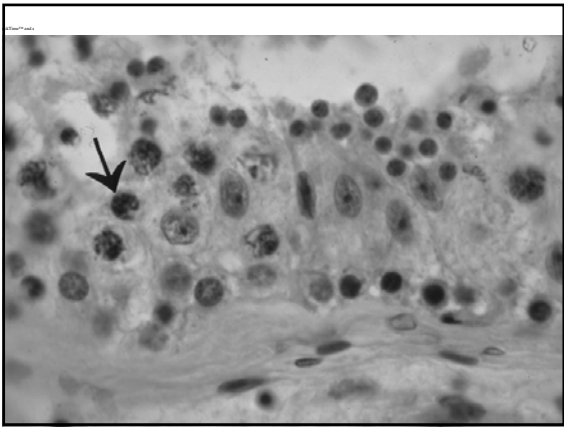
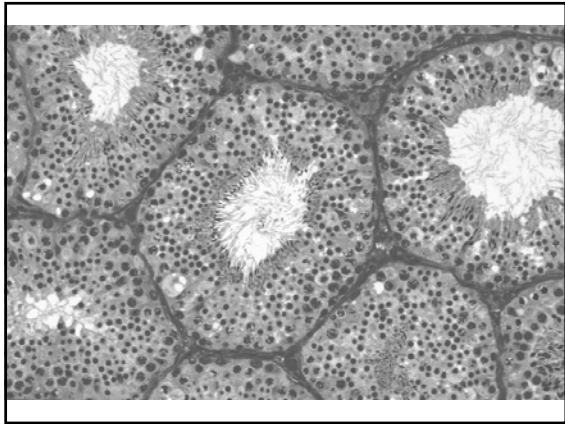
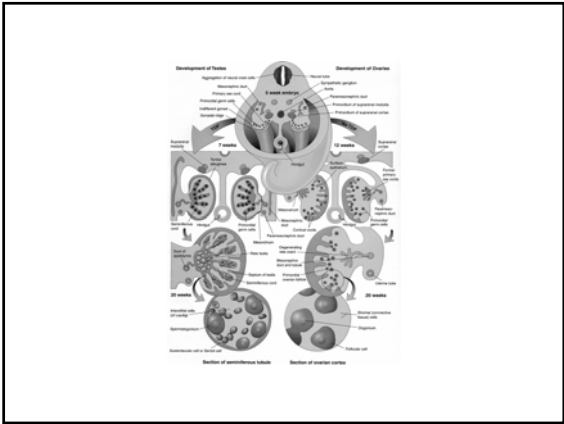


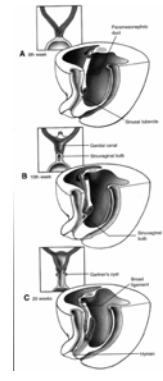
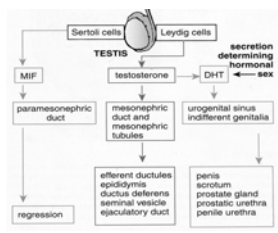
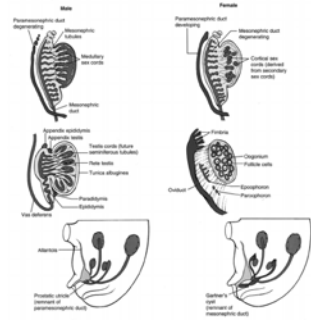
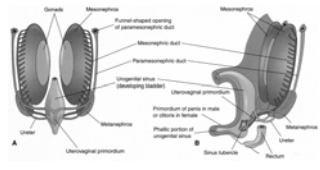
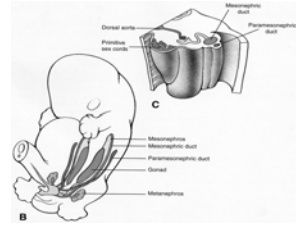
WT-1: Wilm's Tumor 1. Transcription factor

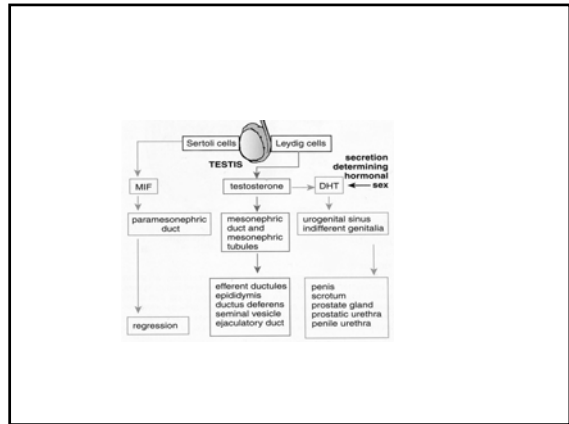
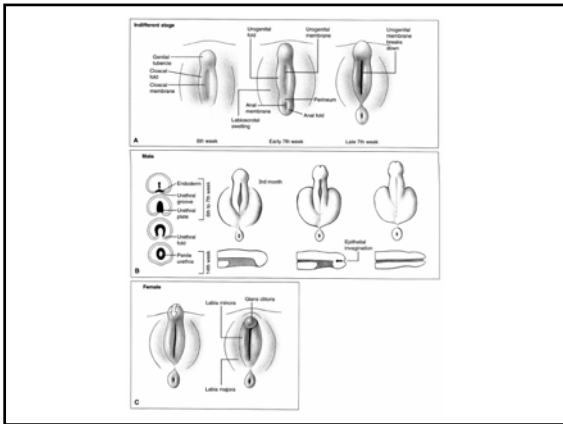
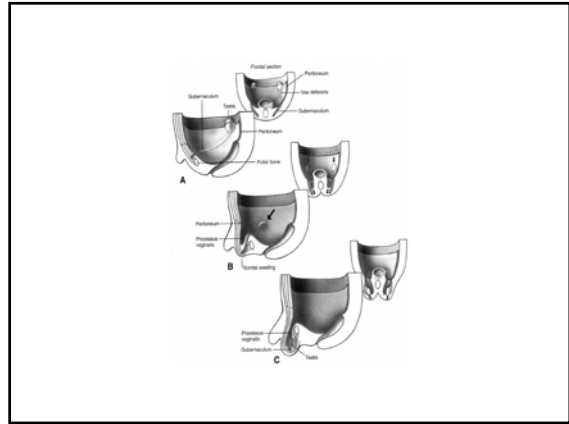
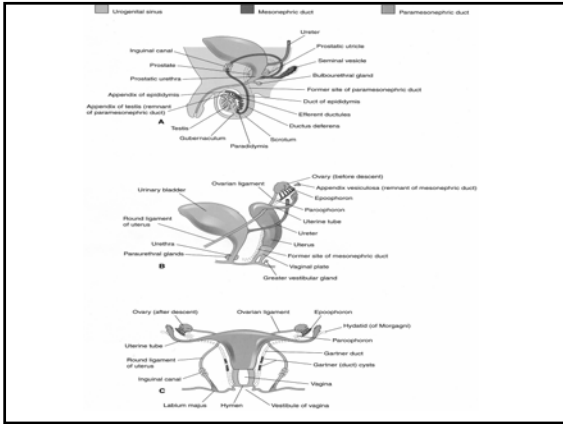
SF-1: Steroidogenic factor-1: Transcription factor





1. Translocation of SRY to X chromosome during meiosis in the production of a sperm. X-SRY from Dad meets X from Mom. Outcome:
2. Translocation of DAX-1 to Y chromosome during meiosis in the production of a sperm. Y-DAX-1 from Dad meets X from Mom. Outcome:
3. Two copies of DAX-1 on X chromosome from Mom meets Y from Dad. Outcome:





Male XY - Absence of DHT – mutation in 5 alpha reductase.  
 Presentation: No vaginal opening, Abdominal testes. Presence of limited virilization. What happens at puberty?

Female XX – Elevated levels of androgens during fetal life due congenital adrenal hyperplasia.  
 Presentation: Salt-wasting (life threatening), No (palpable) testes. Virilization of external genitalia. What would you predict concerning the development of Wolffian and Paramesonephric ducts?