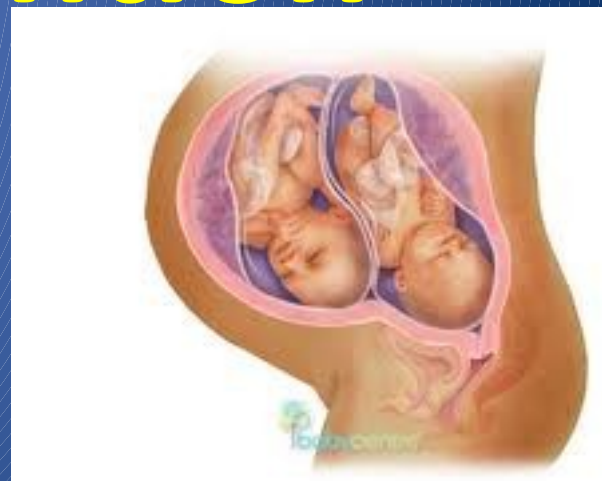
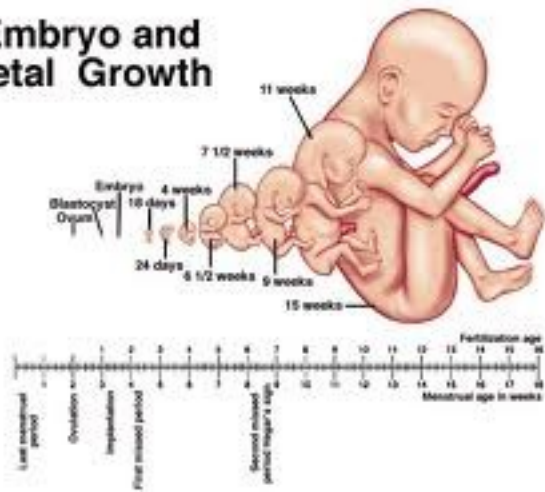




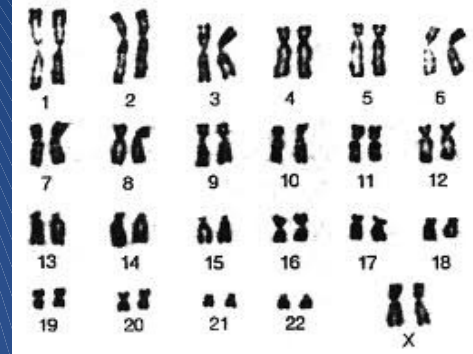
# *Pregnancy Contraception STIs & Prevention*

**Embryo and Fetal Growth**





# The Zygote



- A **normal cell** has **46 chromosomes**
- **Male gamete** sperm has **23**
- **Female gamete** ovum also has **23**
- **2 gametes unite** → **ZYGOTE** is formed!

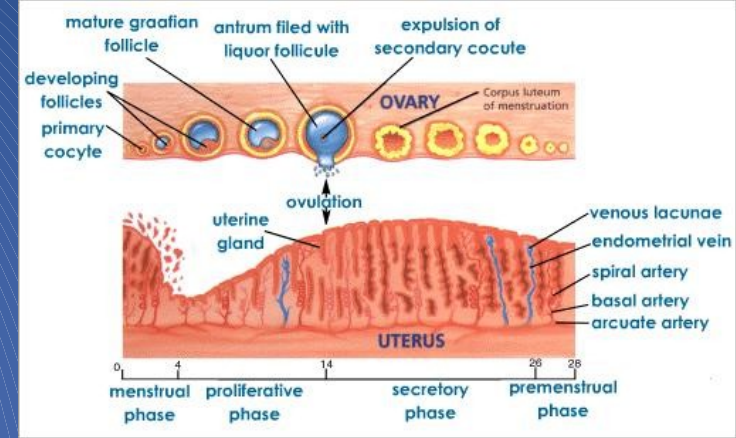


**1<sup>st</sup> CELL**



# The Menstrual Cycle

- **28 days.**



1. Start with **MENSTRUATION** → 5 days
2. Body acts like you are pregnant **lining of uterus thickens until day 28**
3. (**OVULATION**) **day 14.** – EGG RELEASED  
– time to get pregnant is here + or – 5 days.

# Risks during pregnancy



- ***Highest risks are in the first 2 months...***
- Cigarette smoke, alcohol, drugs go from mom's blood to baby's via the placenta and umbilical cord.
- Cigarettes → not enough O<sub>2</sub> → growth prob and nicotine withdrawal





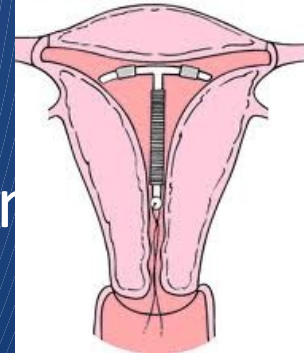
# Contraception



- **Condom**: only way of preventing STIs !!!
- **Diaphragm**: Re-usable... covers the cervix.
- **IUDs**: stops the zygote from implanting in the uterus
- **Oral contraceptive**: prevent ovulation – be taken every day. Don't miss a day!

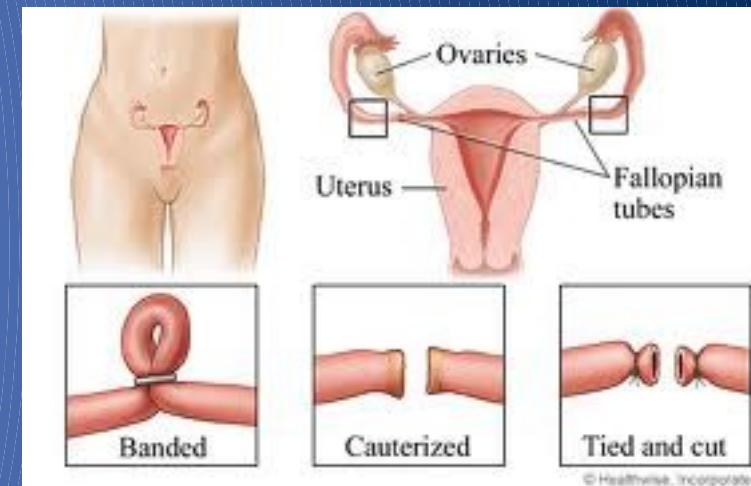
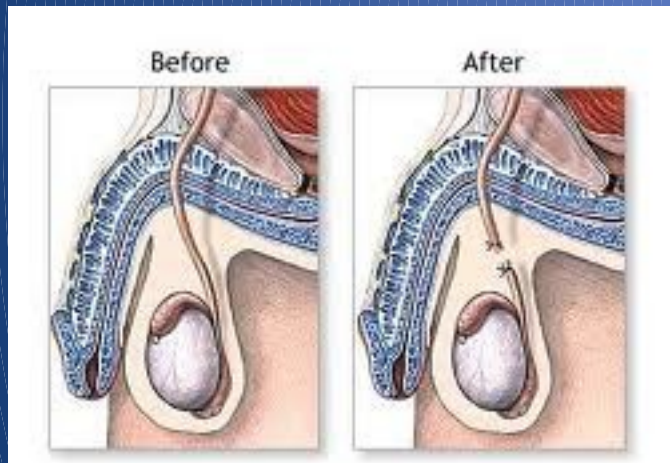


CORRECT POSITION  
IUD inserted up to the top  
wall of the uterus



# More permanent

- **Tubal ligation**: tying off the fallopian tubes
  - Usually irreversible.



- **Vasectomy**: cutting the vas deferens.
  - Sperm but no spermatozoa

# STIs

- Bacterial infections: treated with **antibiotics**:
- Syphilis:
- Gonorrhea
- Chlamydia



# STIs

- Viral: stays with you **forever**... symptoms may come and go.

- Hepatitis
- AIDS
- Condyloma
- Genital herpes
- HPV

