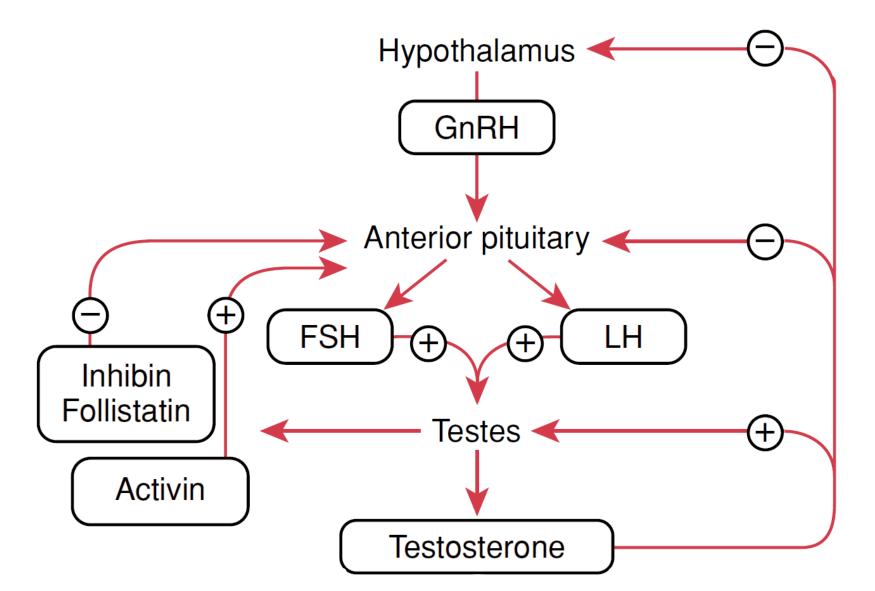
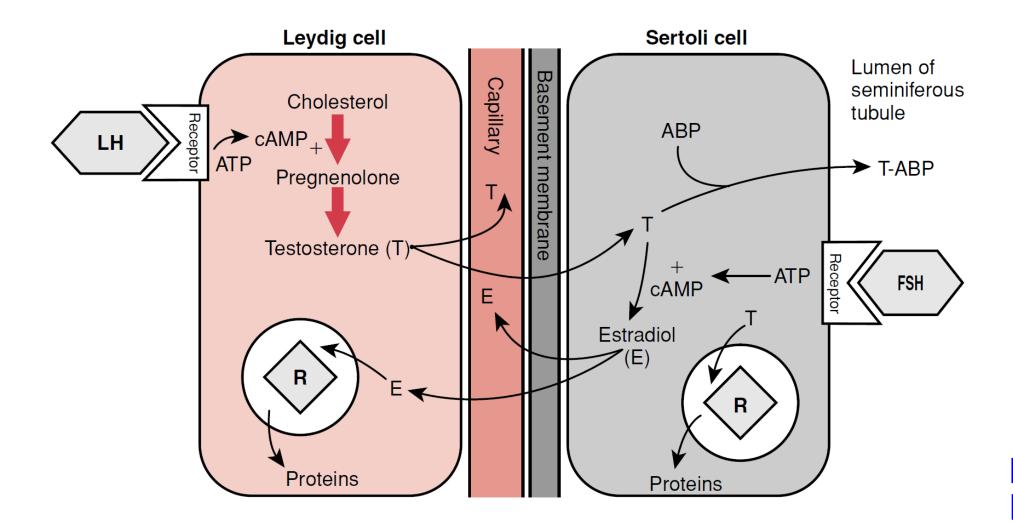


Physiology of reproduction.

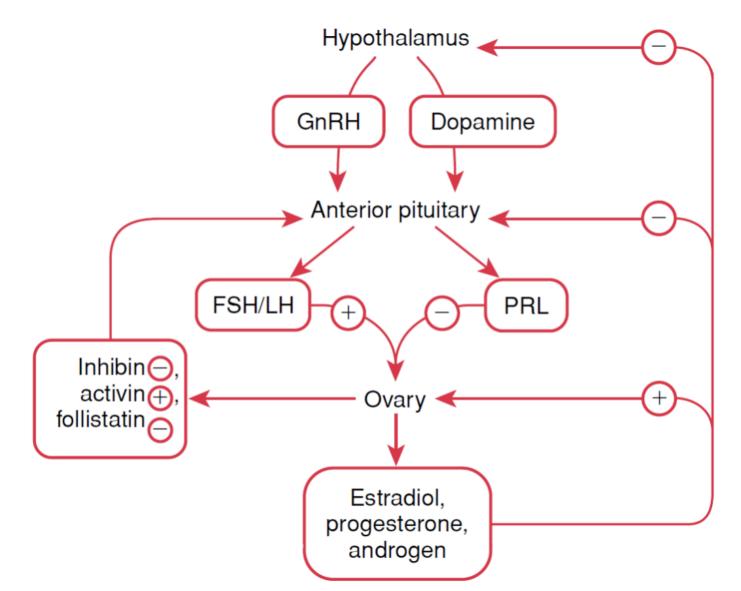




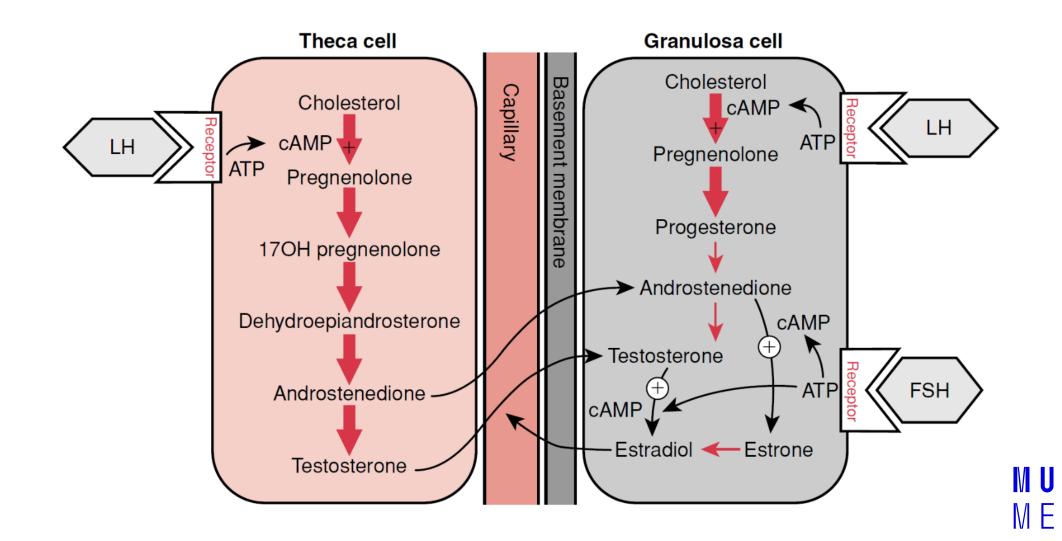




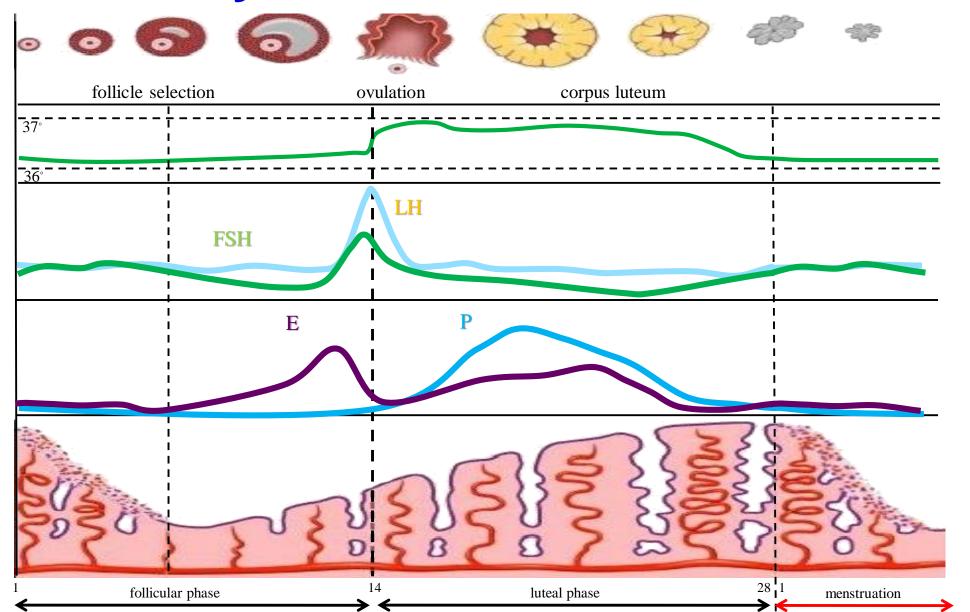






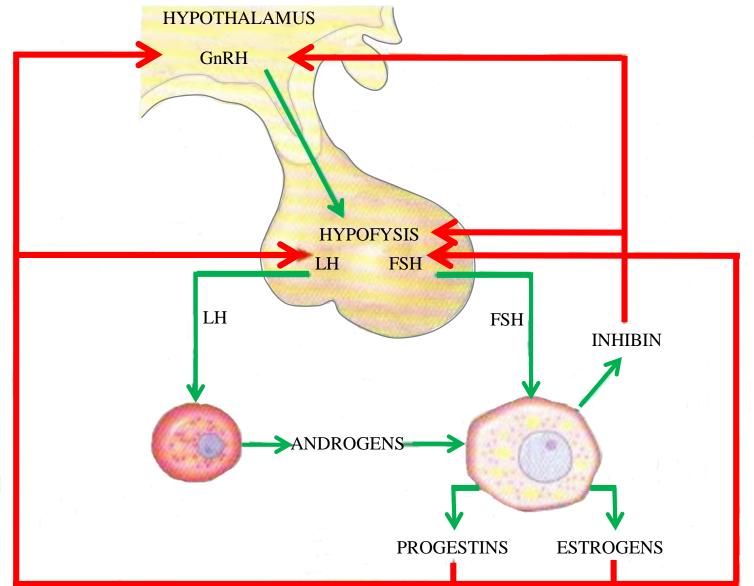


Menstrual cycle



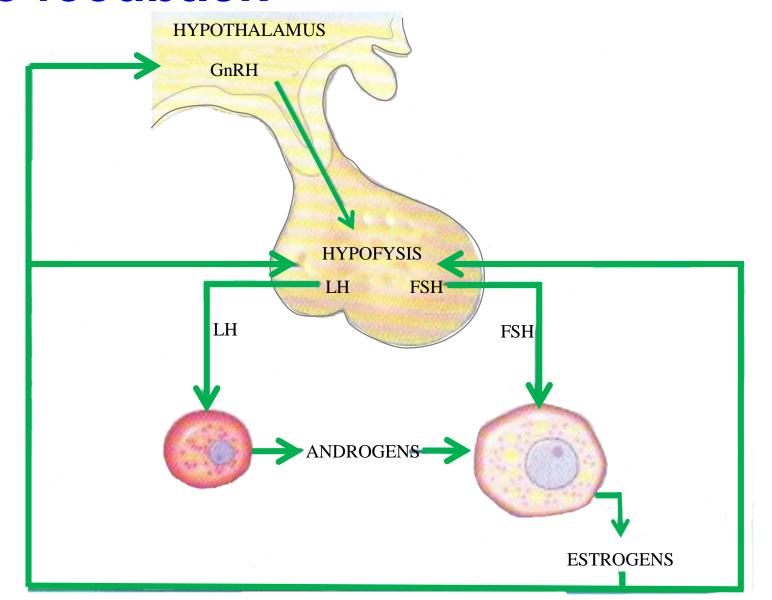
MED

Negative feedback



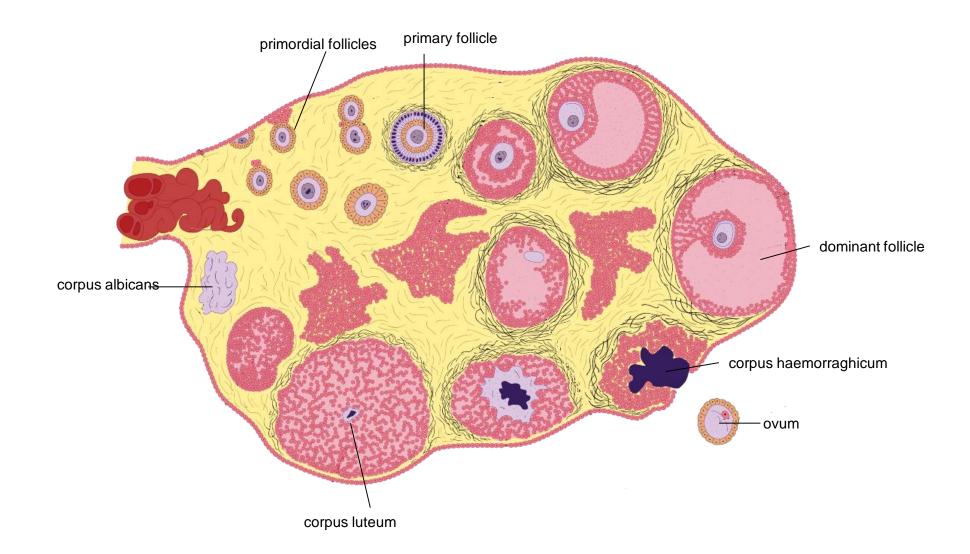


Positive feedback



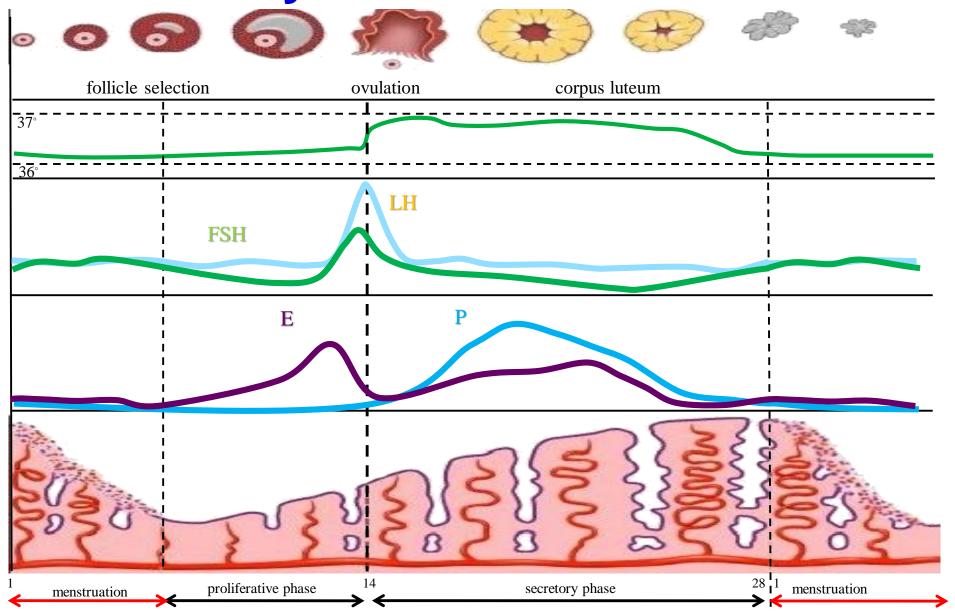


Ovarian cycle





Menstrual cycle





Contraceptives

BARRIER CONTRACEPTIVES:

- condoms
- contraceptive sponges with spermicide
- diaphragms
- cervical caps

HORMONAL:

- oral pills
- implants under the skin
- injections
- patches
- IUDs
- vaginal ring

INTRAUTERINE DEVICES:

- copper IUDs
- IUD with levonorgestrel

BEHAVIORAL:

- fertility awareness methods
- coitus interruptus
- lactation

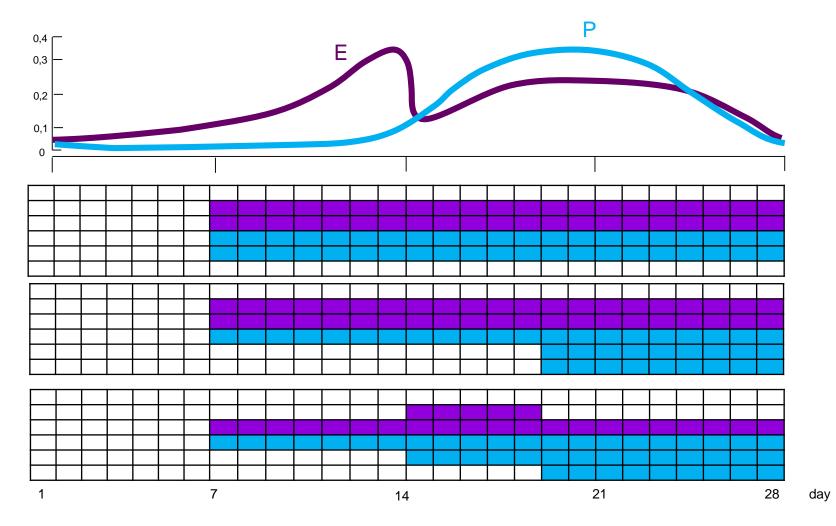


STERILIZATION:

- tubal ligation
- vasektomy



Oral pills





Oral pills

– Progestational effects include:

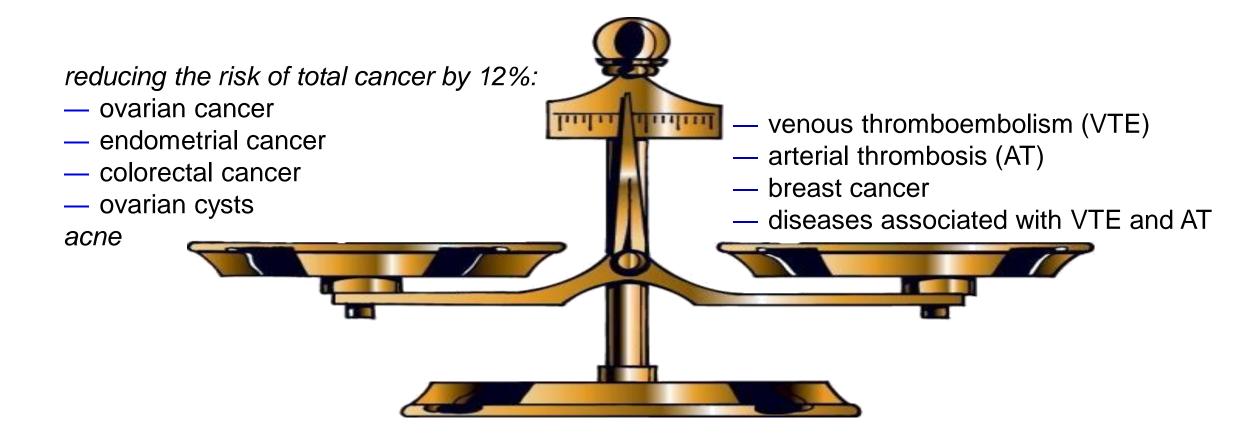
- Inhibition of ovulation by suppressing luteinizing hormone (LH);
- Thickening of cervical mucus, thus hampering the transport of sperm;
- Possible inhibition of sperm capacitation;
- Hampered implantation by the production of decidualized endometrium with exhausted and atrophic glands

Estrogenic effects include:

- Partial inhibition of ovulation in part by the suppression of follicle-stimulating hormone (FSH) and luteinizing hormone (LH), depending on dose;
- Alteration of secretions and cellular structures of the endometrium within the uterus



Benefits and riscs of HC





Functions of the PLACENTA

TRANSPOR function

- Respiratory gases
- transport and metabolism of sacharides
- transport and metabolism of aminoacods
- transport and metabolism of fat
- transport of H2O, minerals and vitamines

– ENDOCRIN function

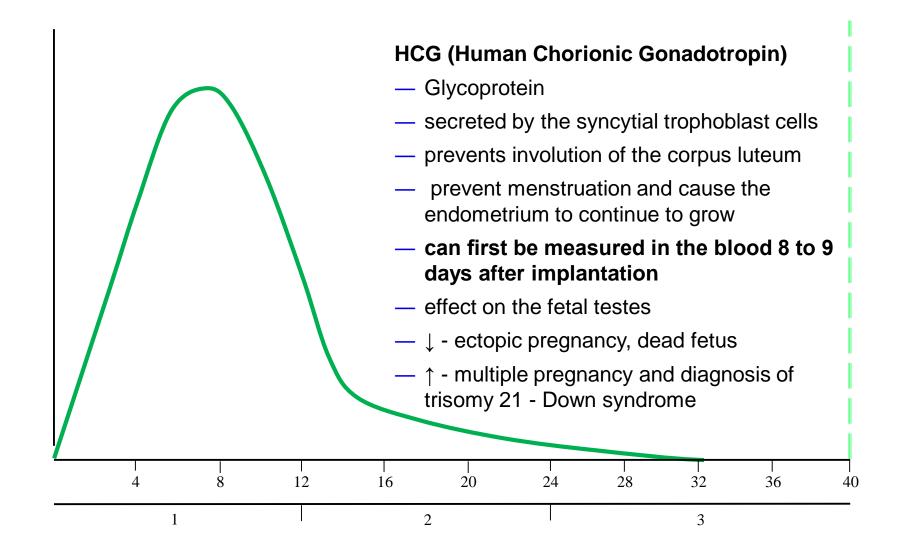
- Estrogens
- Progesteron
- HCG
- HPL
- Growth factors (epidermal and insulin-like growth factors)

– PROTECTIV function

- Cytochrom P450
- Pinocytosis (IgG)
- Barier against bacterias, virus etc.

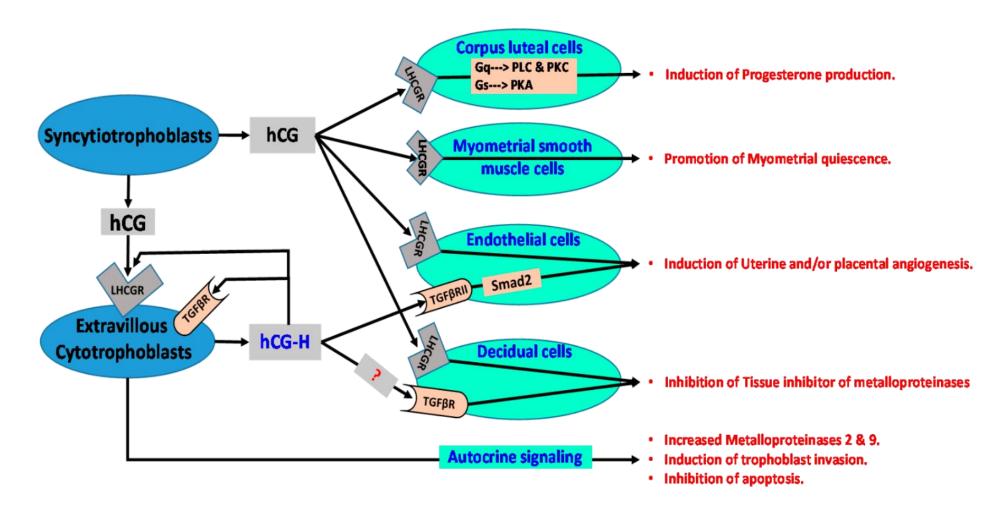


HCG



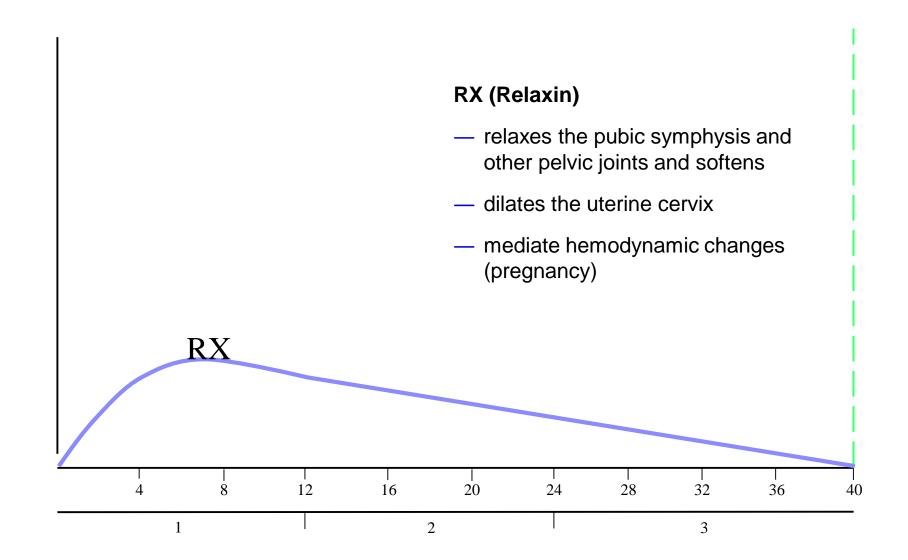


HCG



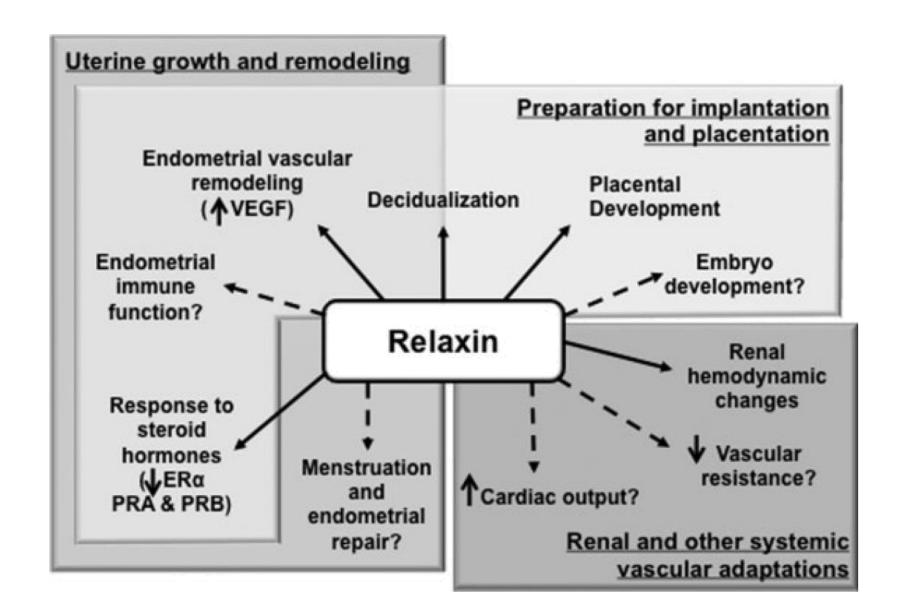


RX



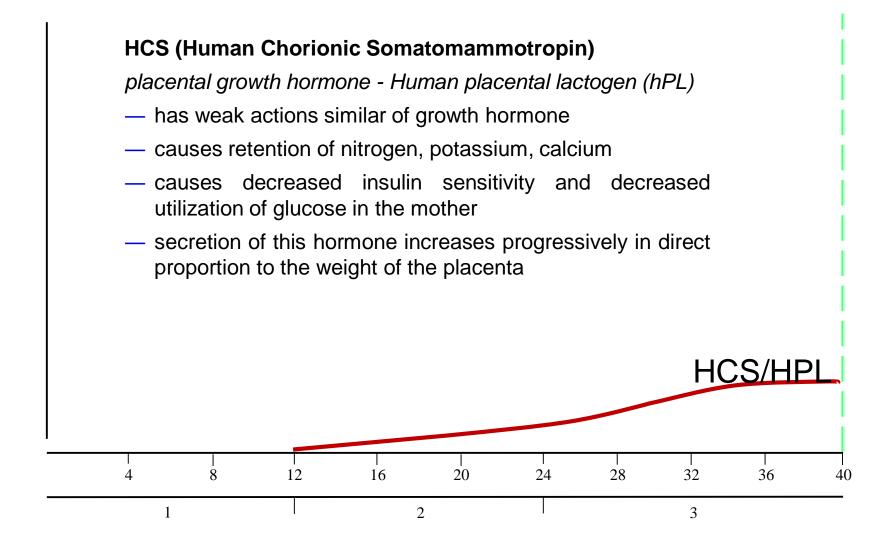


RX



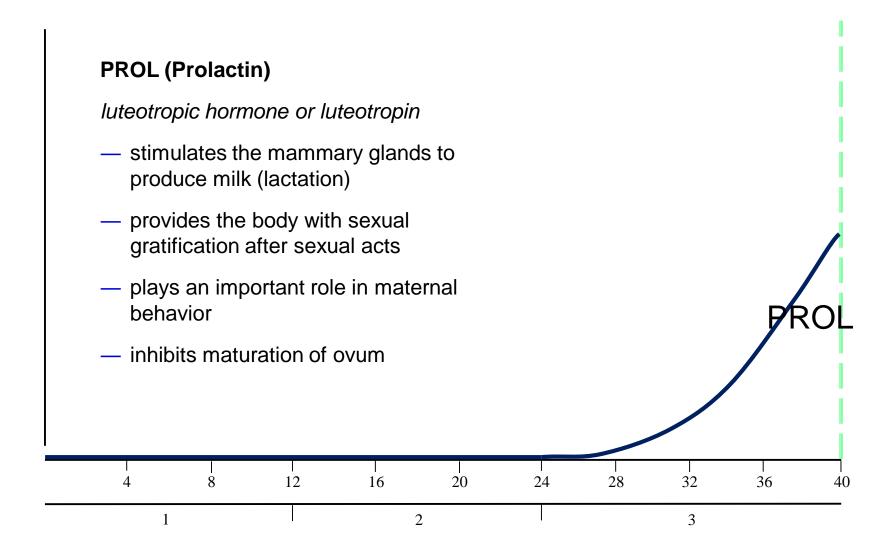


HCS/HPL



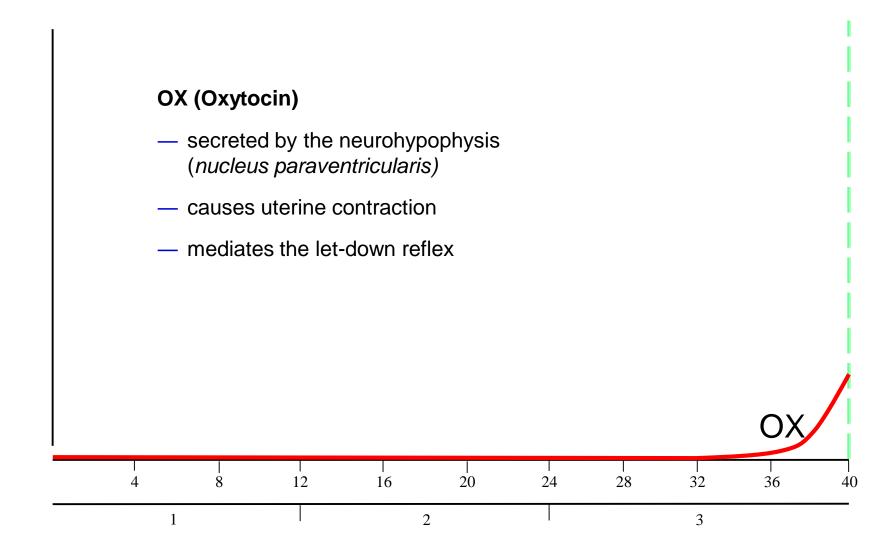


PROL



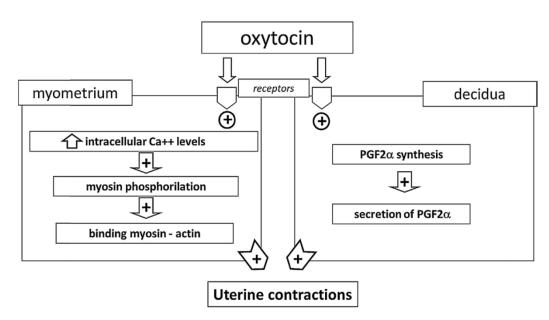


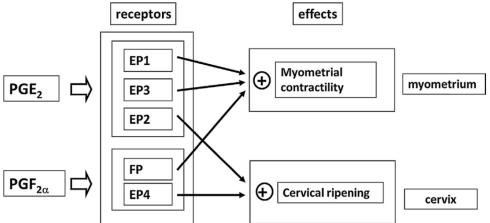
OX





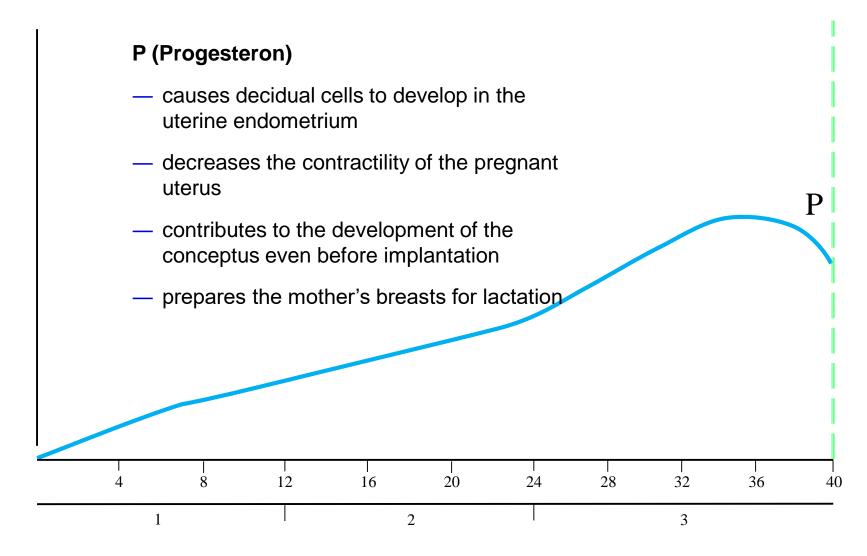
OX





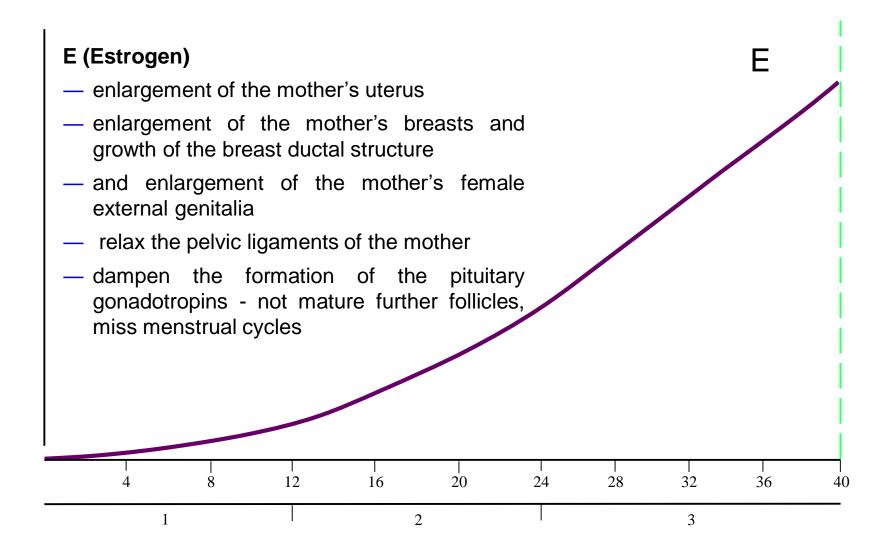


Progesteron

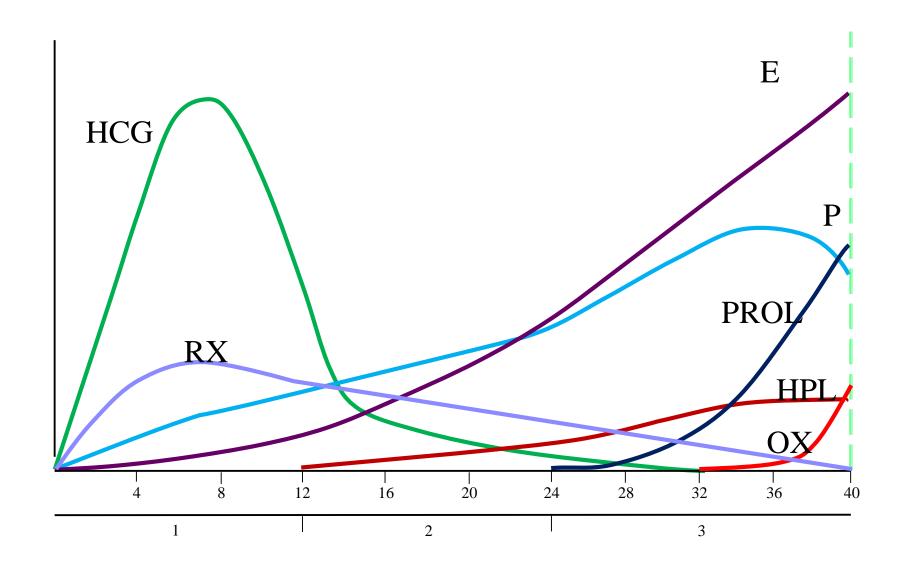




Estroen

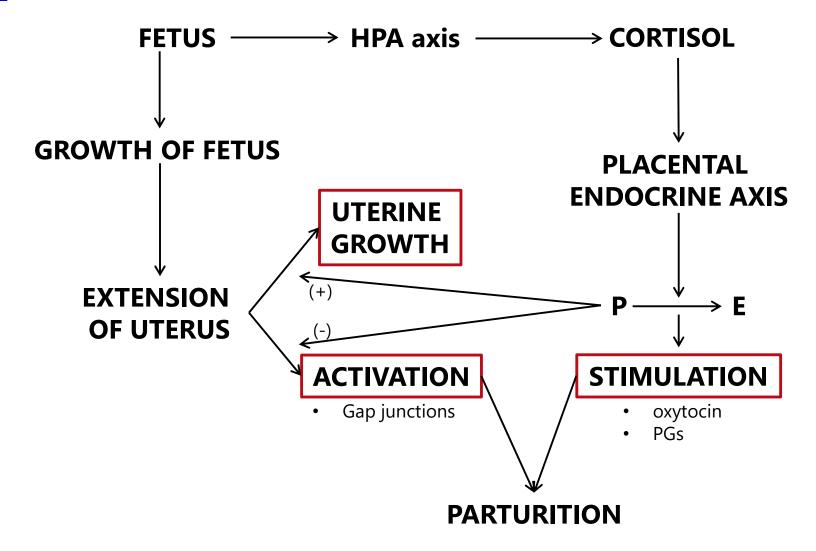






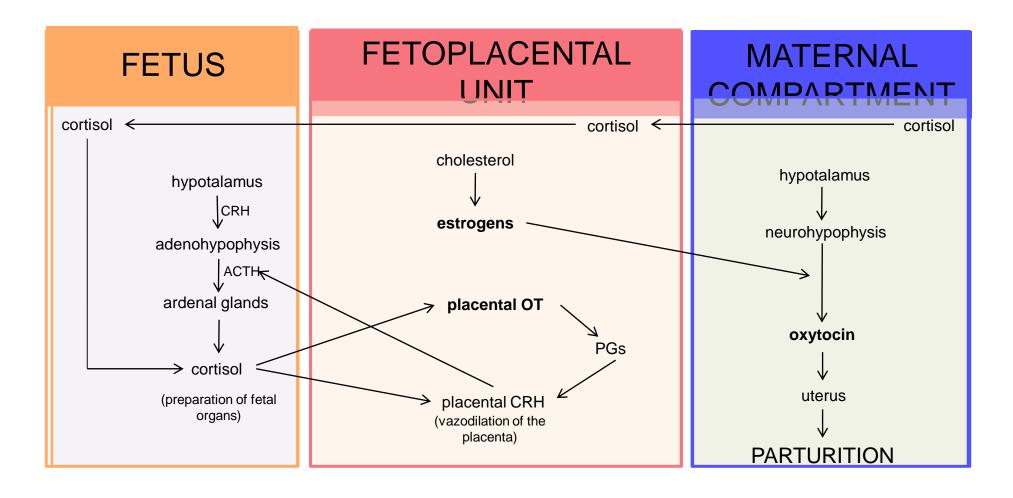


Fetoplacental unit



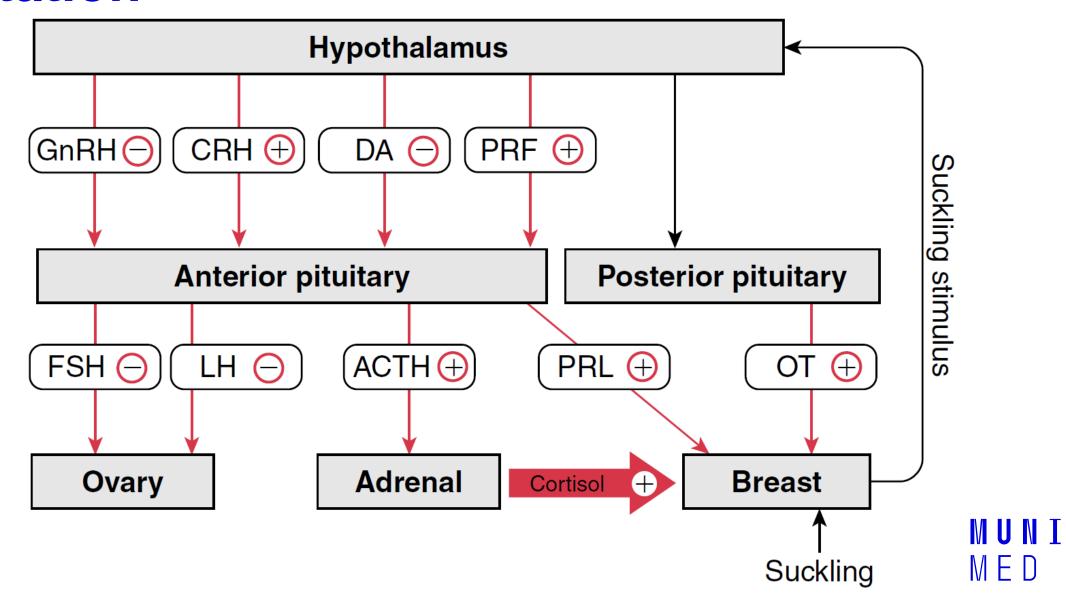


Fetoplacental unit

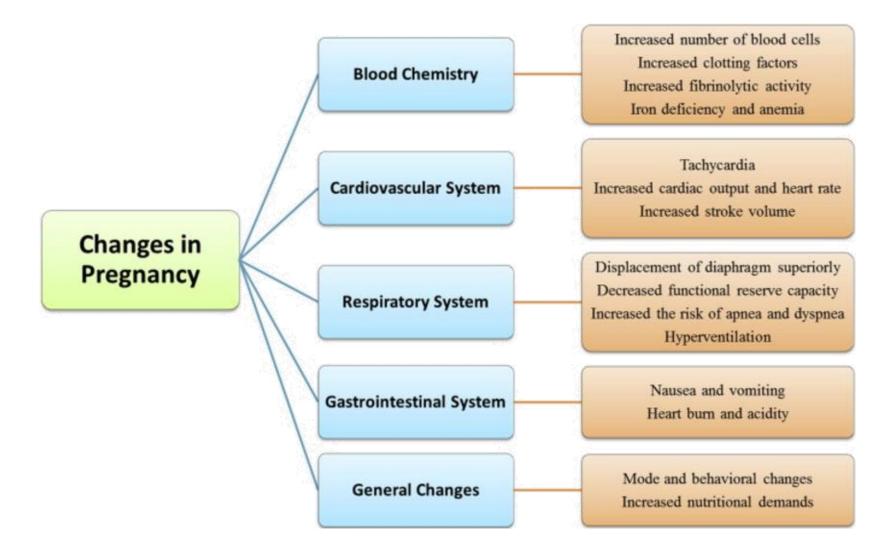




Lactation



Physiological changes during pregnancy





THANK YOU FOR YOUR ATENTION

