

Ciclo Reprodutivo Feminino

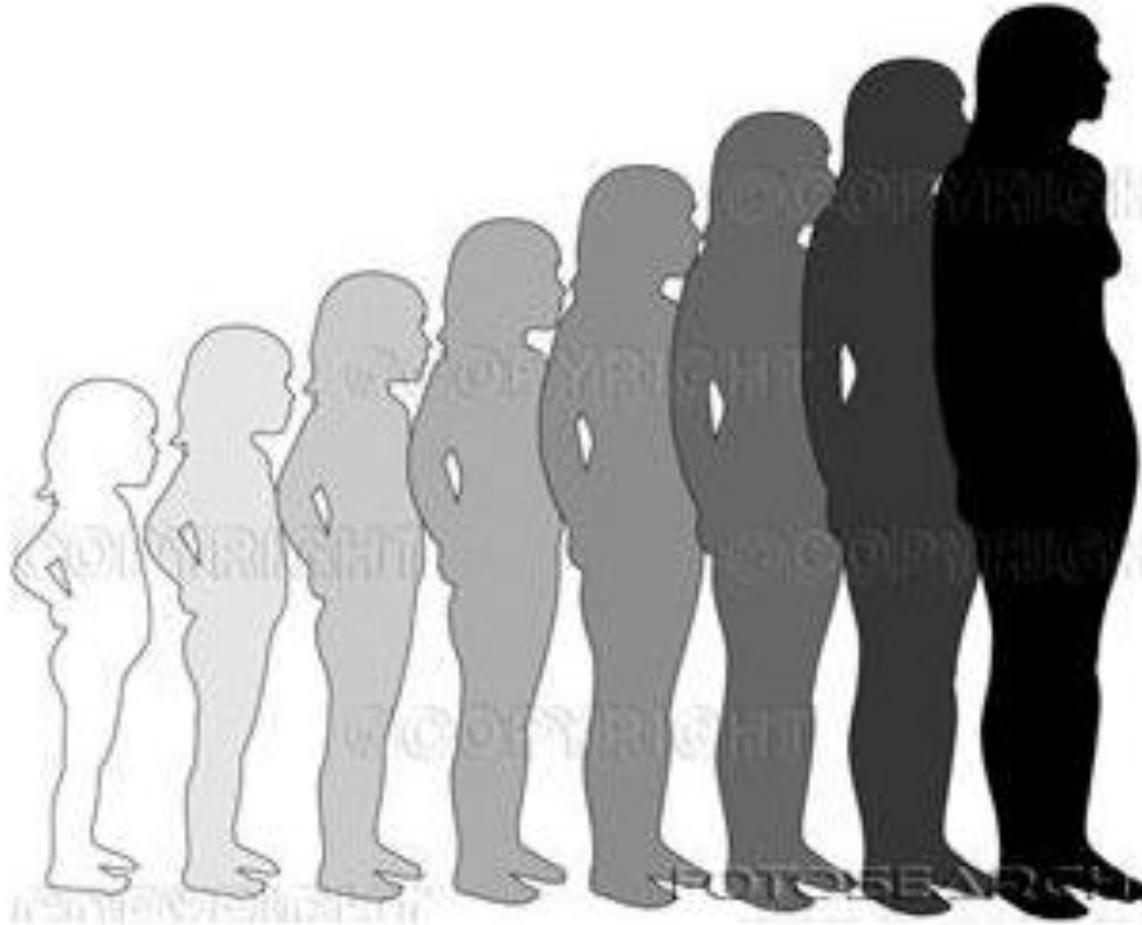
Parte II. Ciclo Menstrual

Disciplina de Reprodução Humana

Departamento de Ginecologia e Obstetrícia FMRP - USP

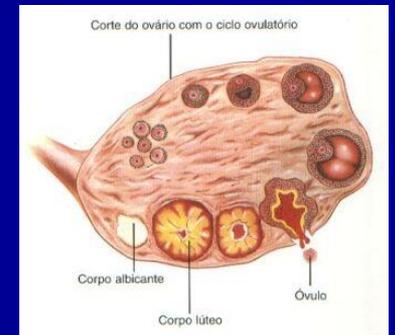
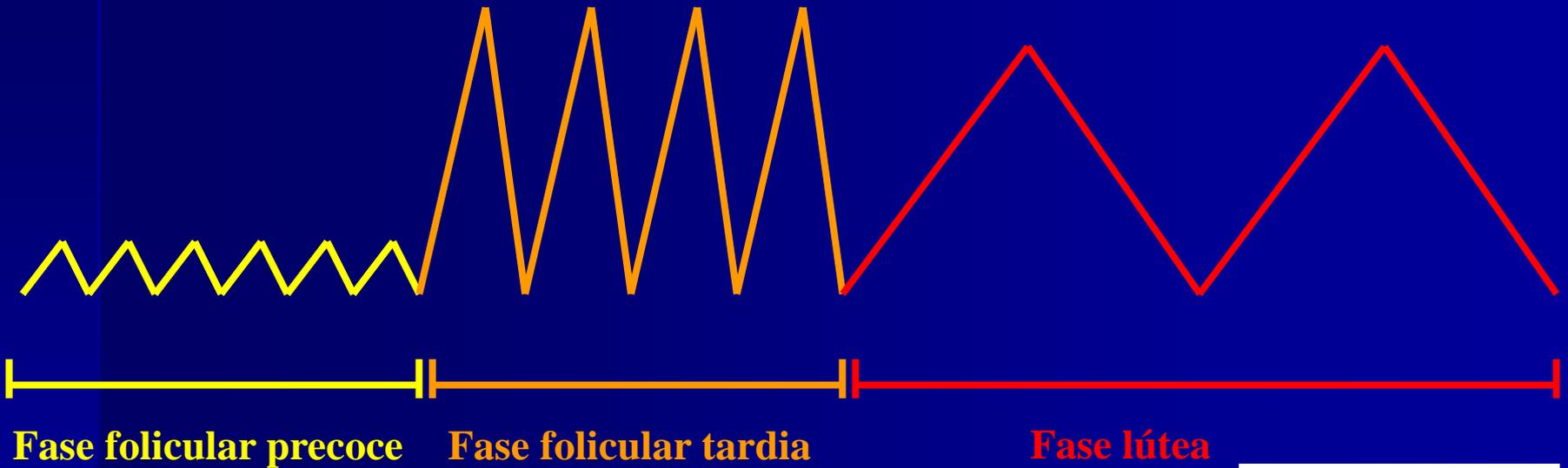
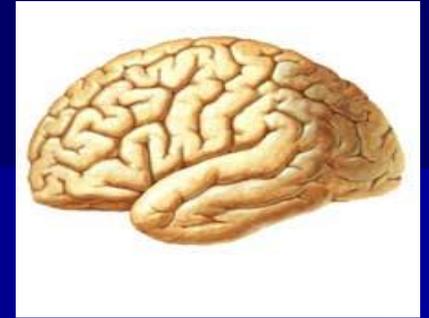
Profa Dra Ana Carolina Japur de Sá Rosa e Silva

Puberdade

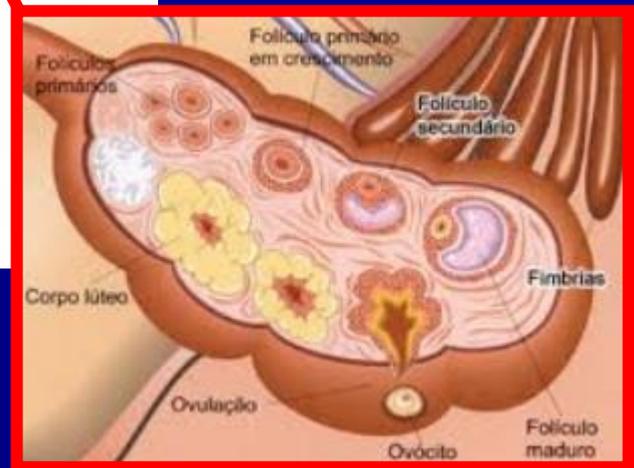
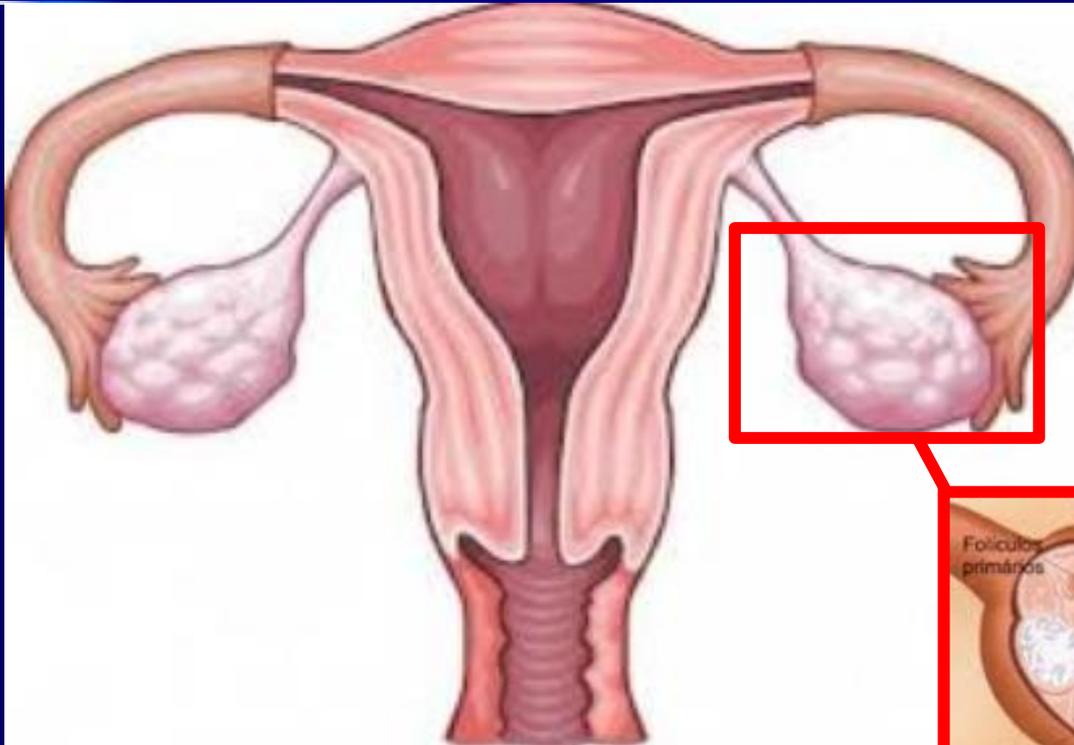


Maturação do Eixo HHO

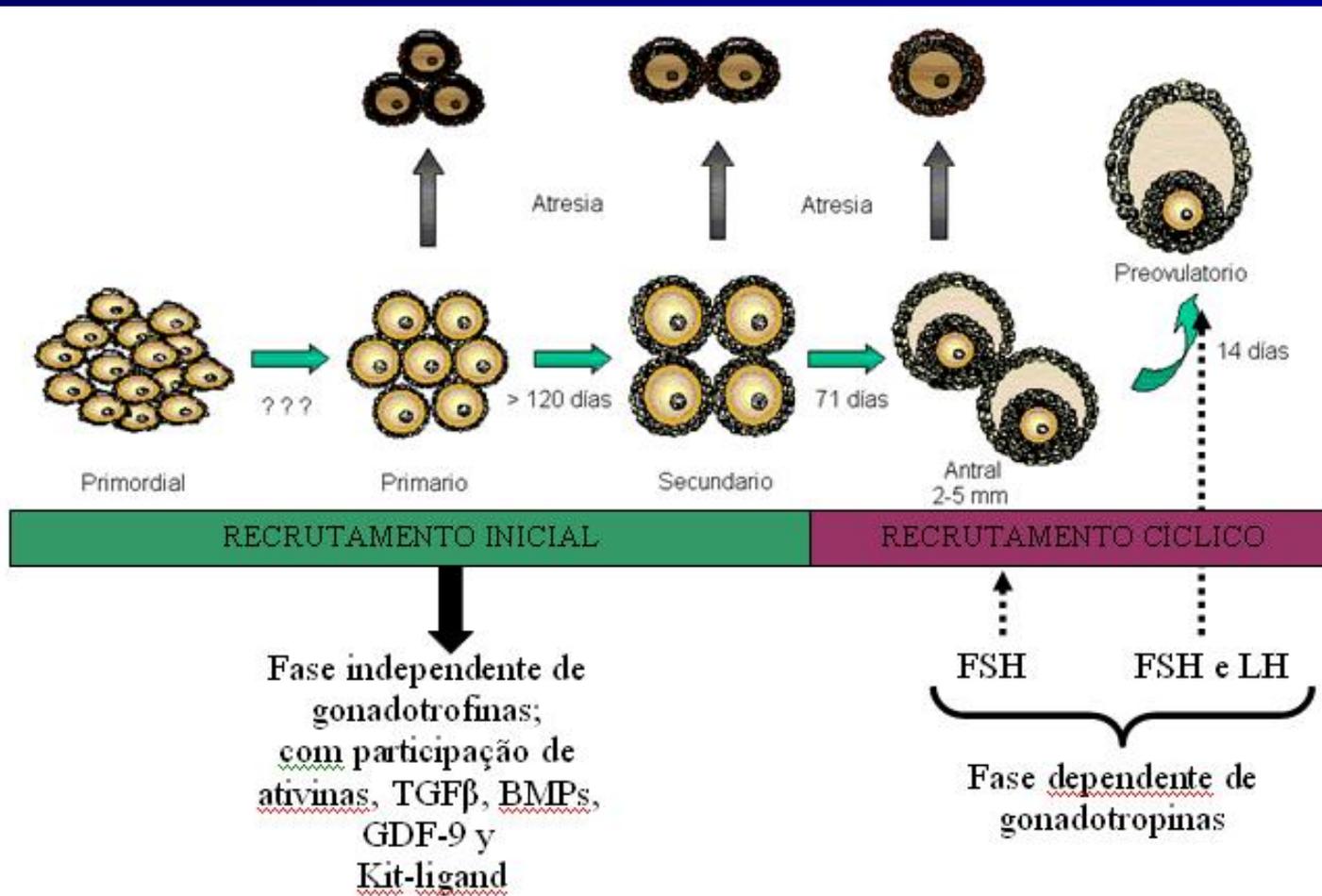
Pulsatilidade do GnRH



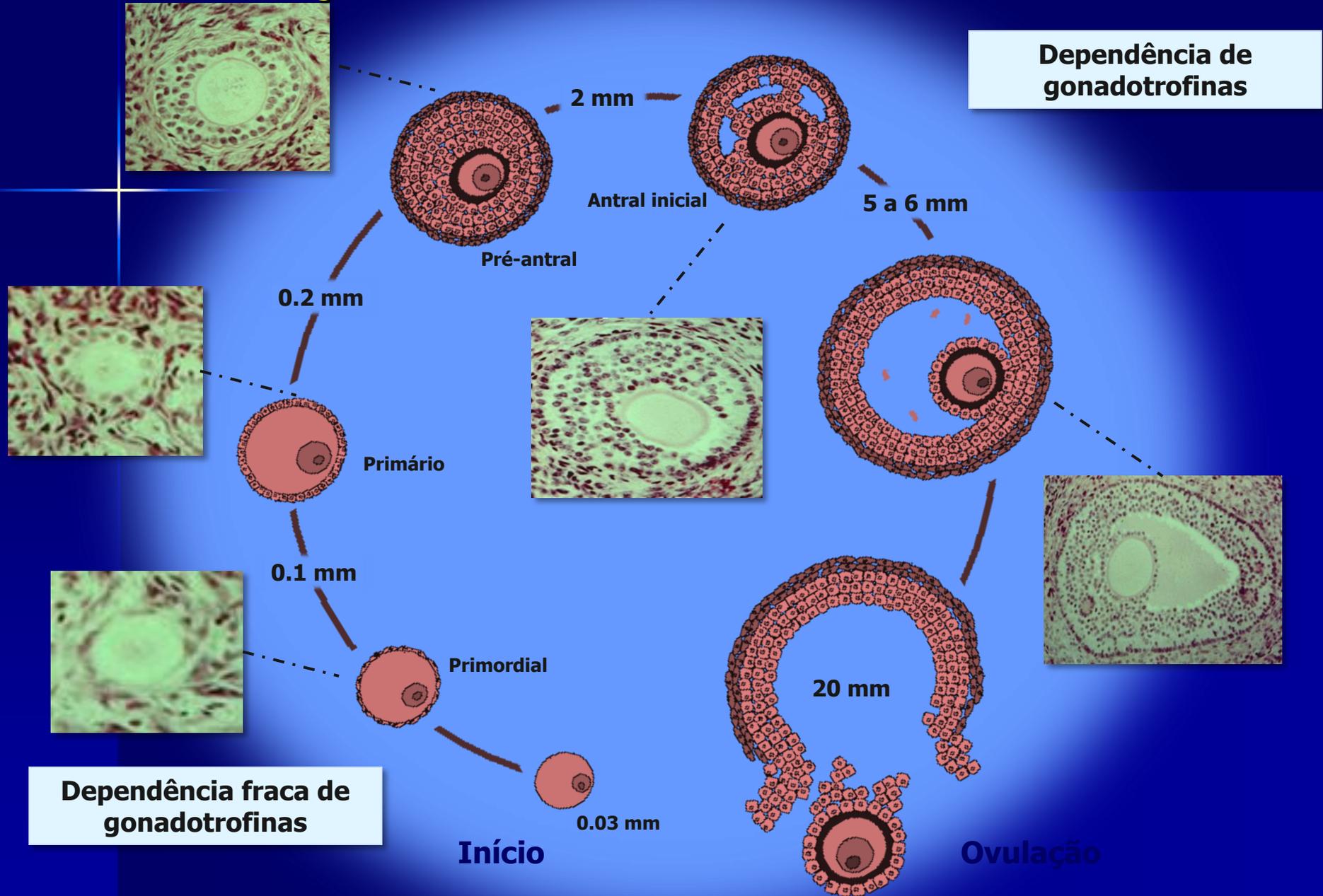
O ovário



Recrutamento folicular ao longo do ciclo

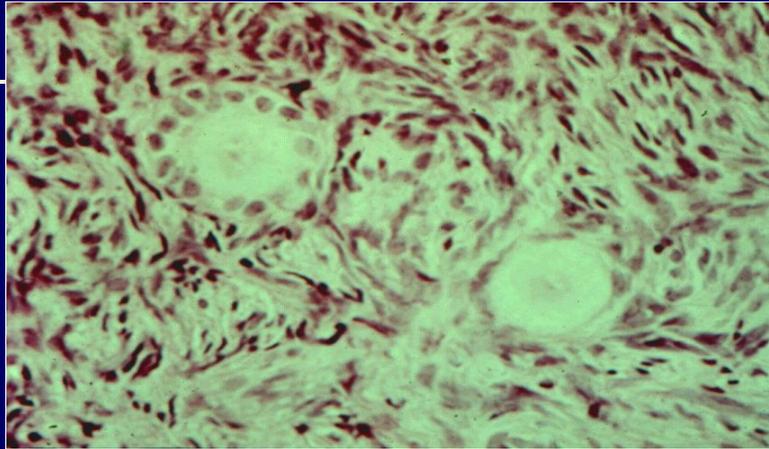


Classificação dos folículos no ovário humano

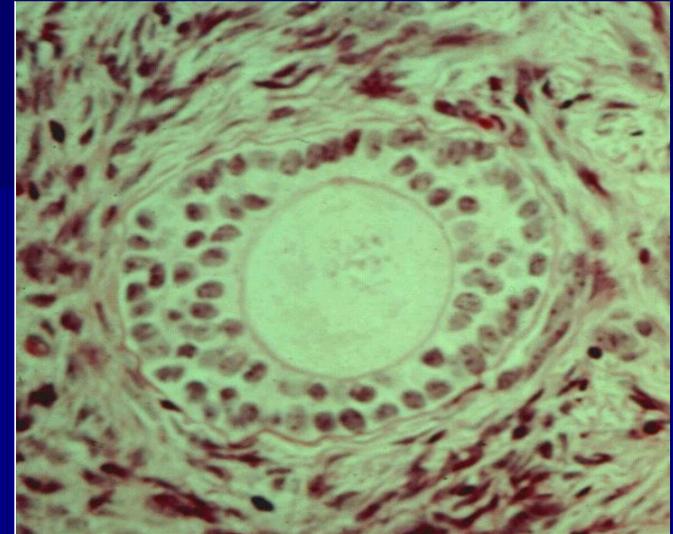


Ovário no Menacme

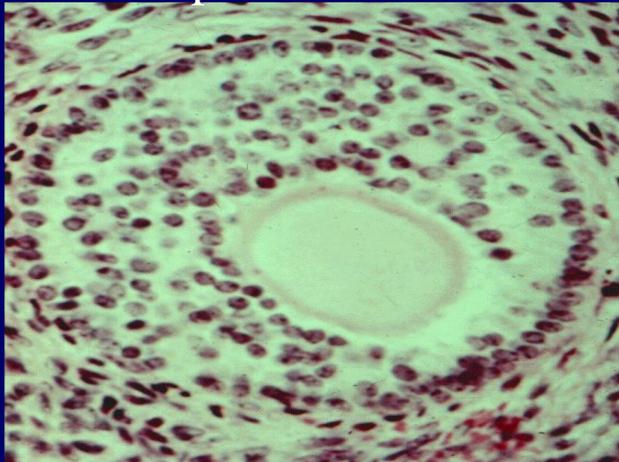
Folículo primordial e primário



Folículo terciário



Folículo pré-antral / terciário



Folículo antral



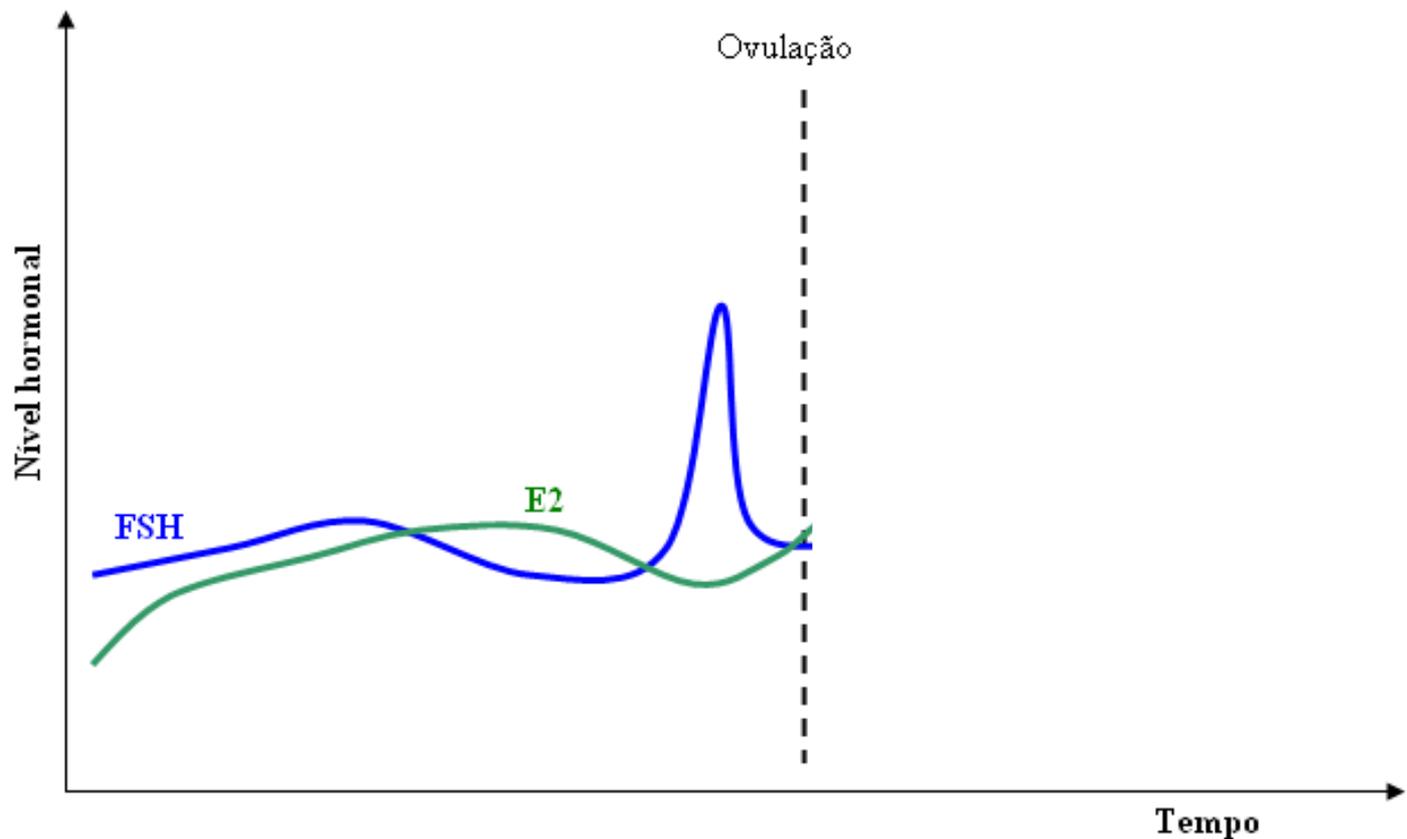
Eixo Hipotálamo- Hipófise- Ovariano

Inibina
Estradiol
Androgênios
Progesterona

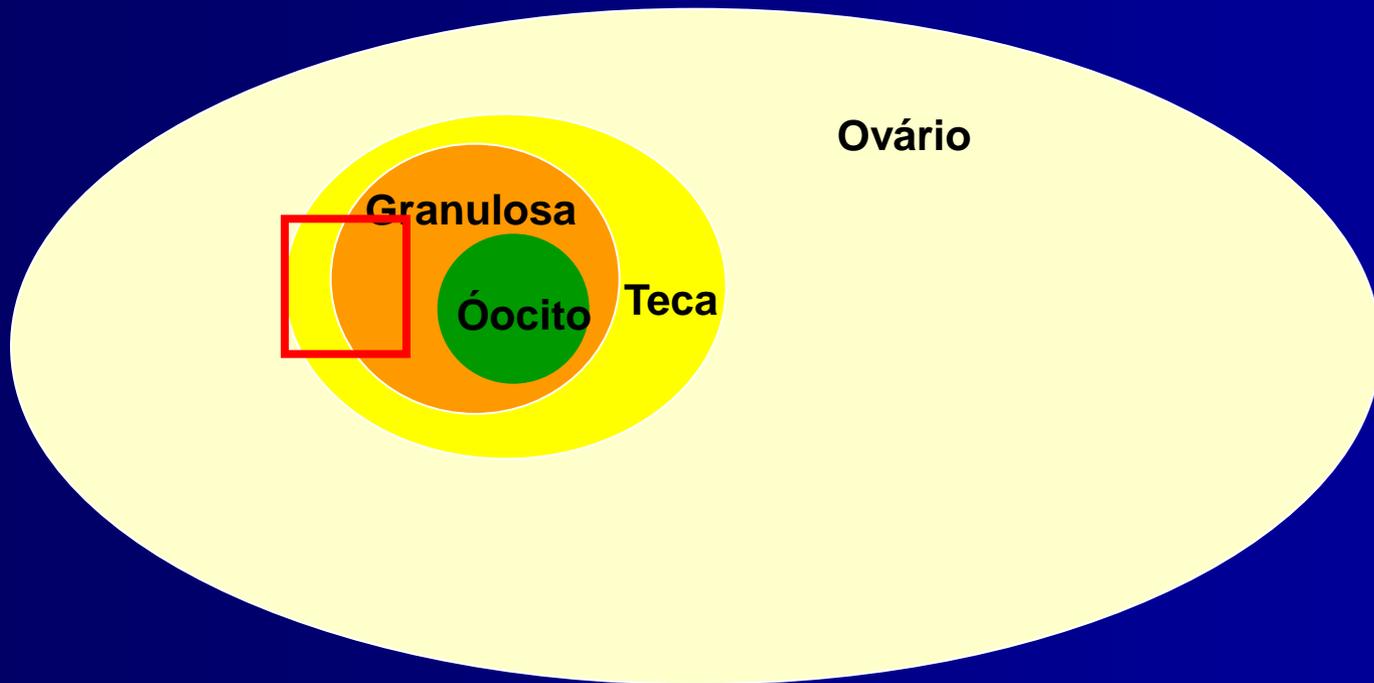


Eixo Hipotálamo-
Hipófise-Ovário

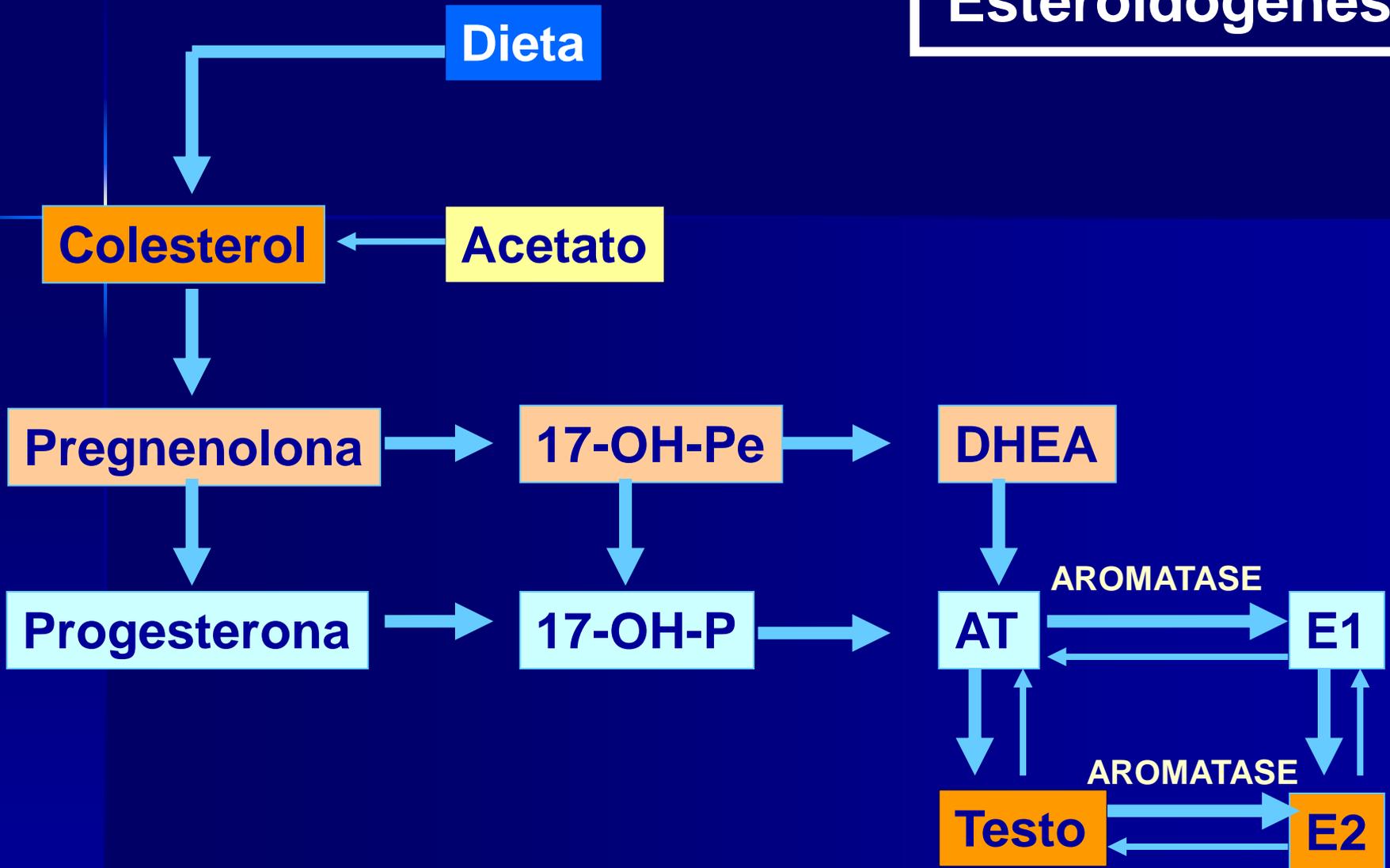
Perfil Hormonal ao longo do ciclo menstrual



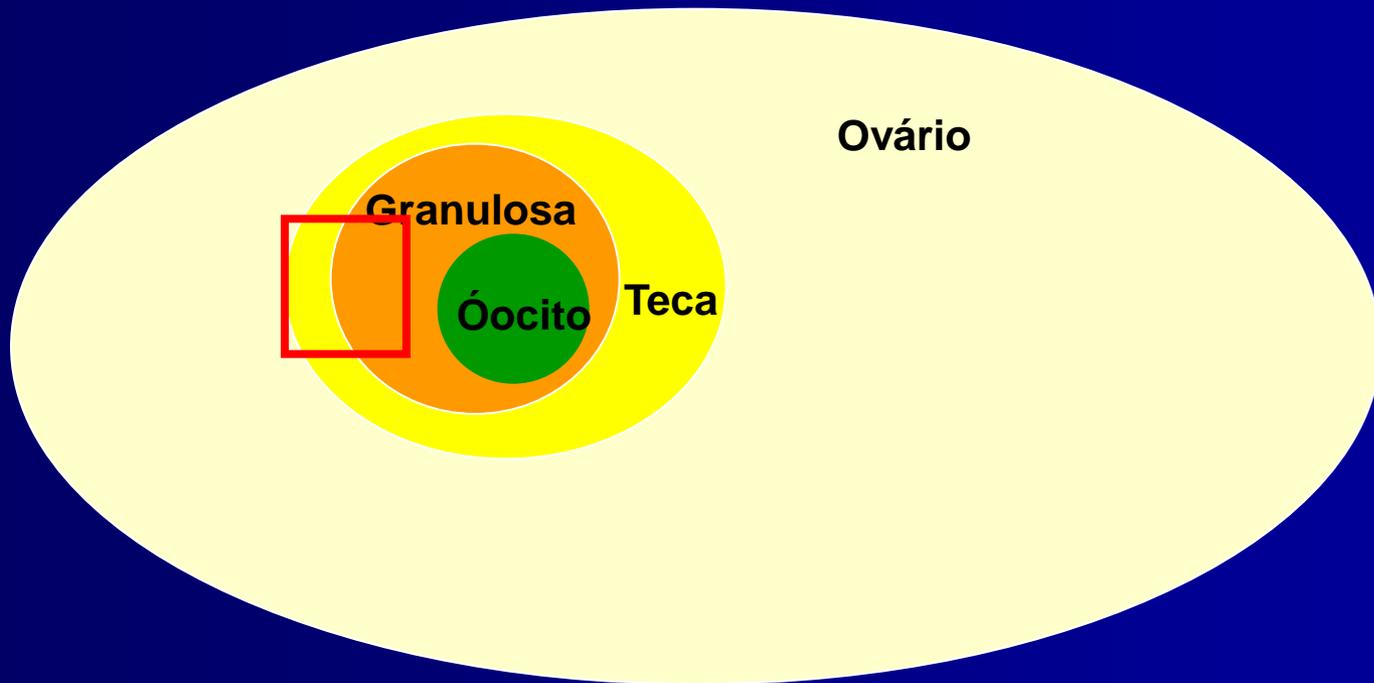
Mecanismo das Duas-células



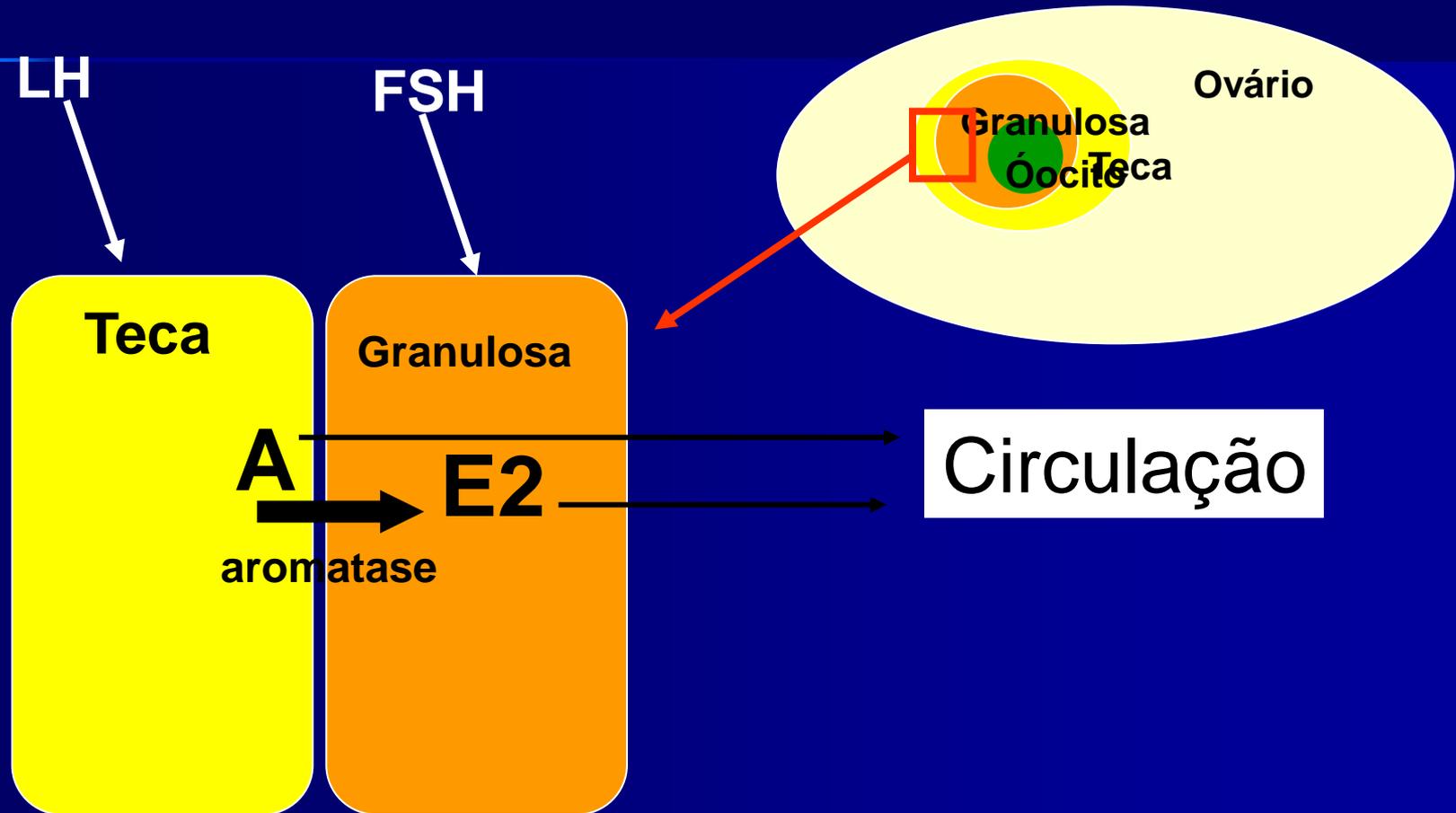
Esteroidogênese



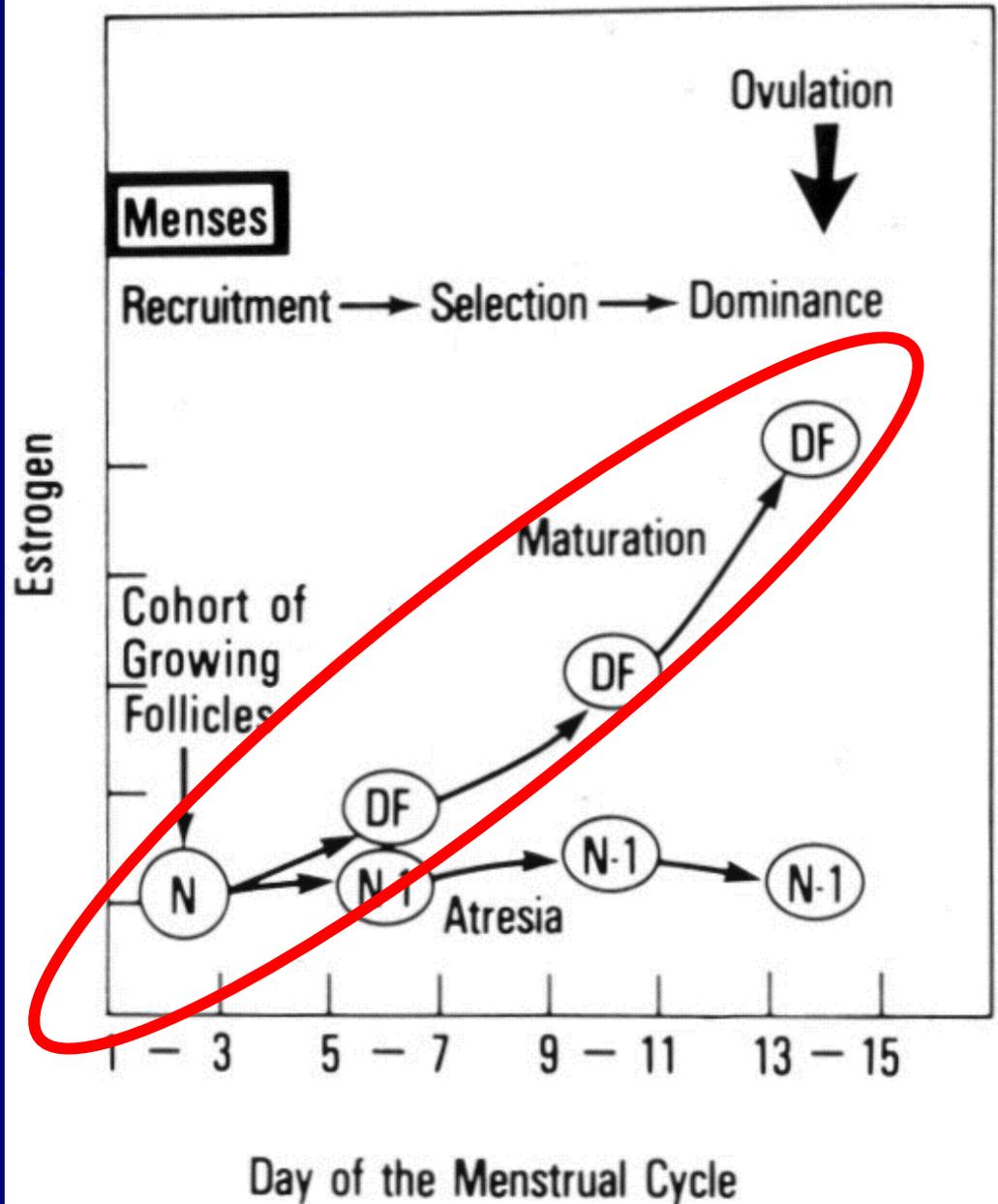
Mecanismo das Duas-células

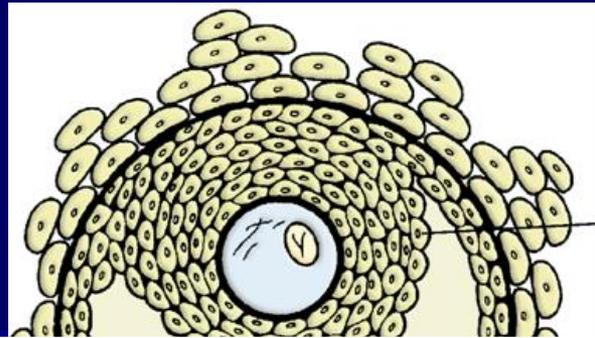
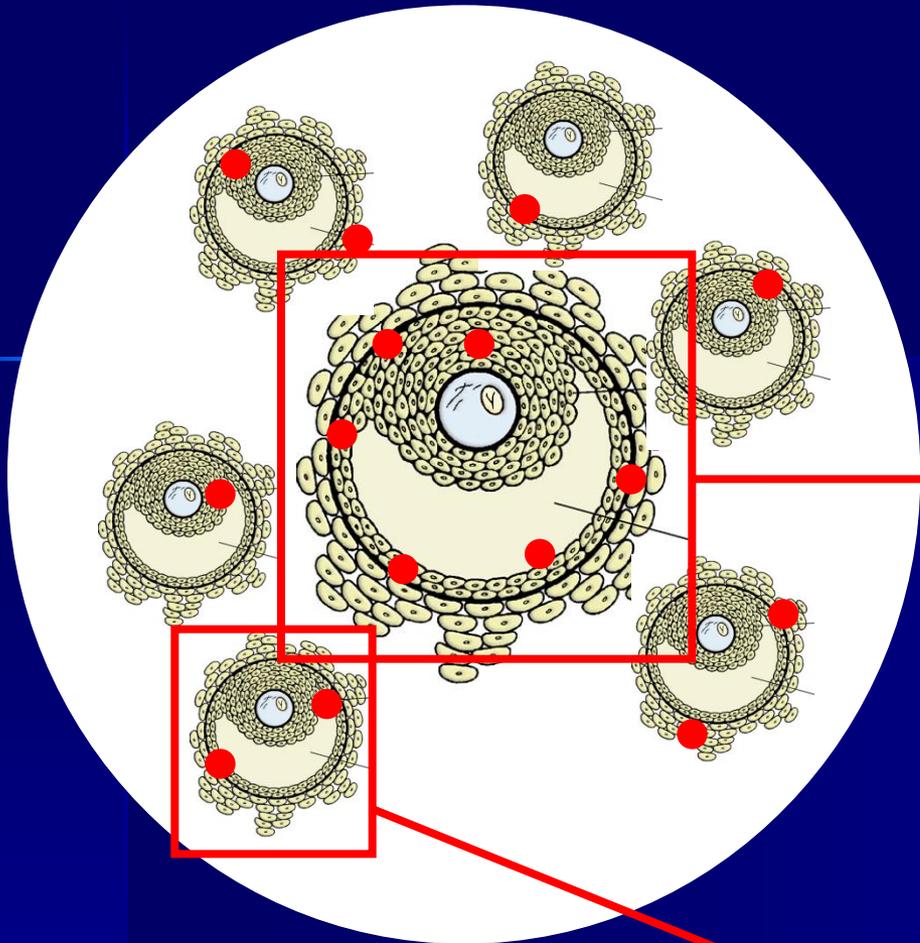


Mecanismo das Duas-células

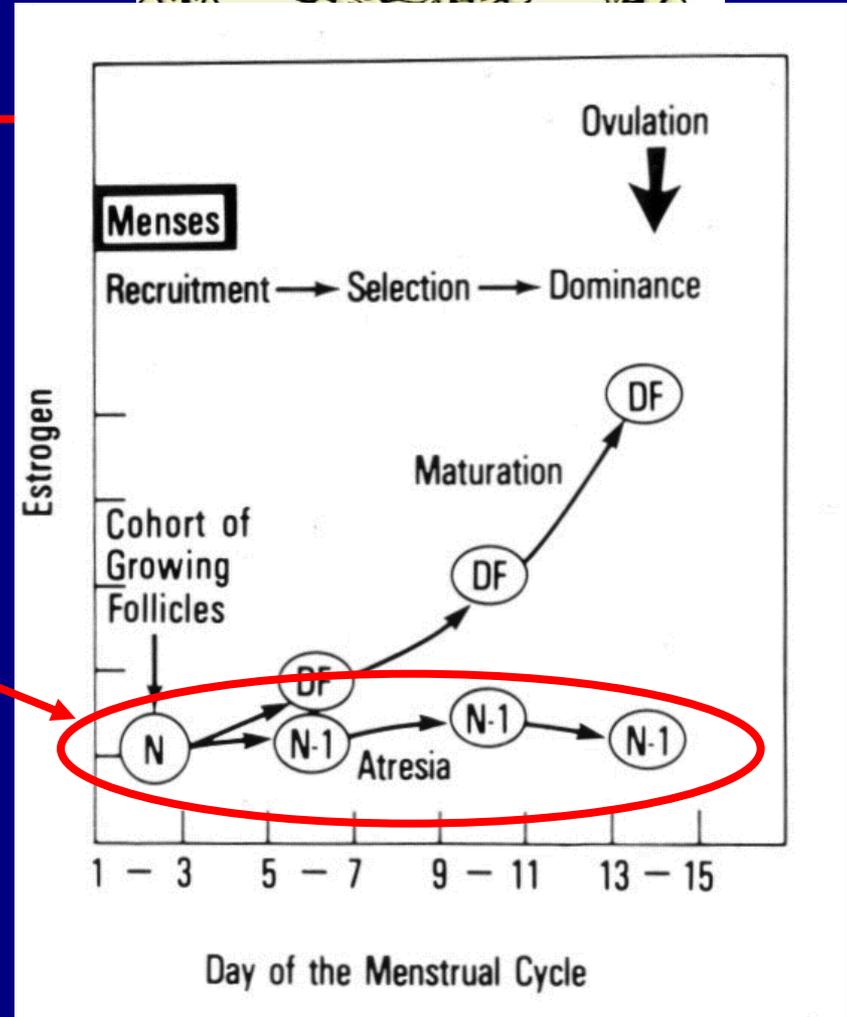


Dominância folicular ?????



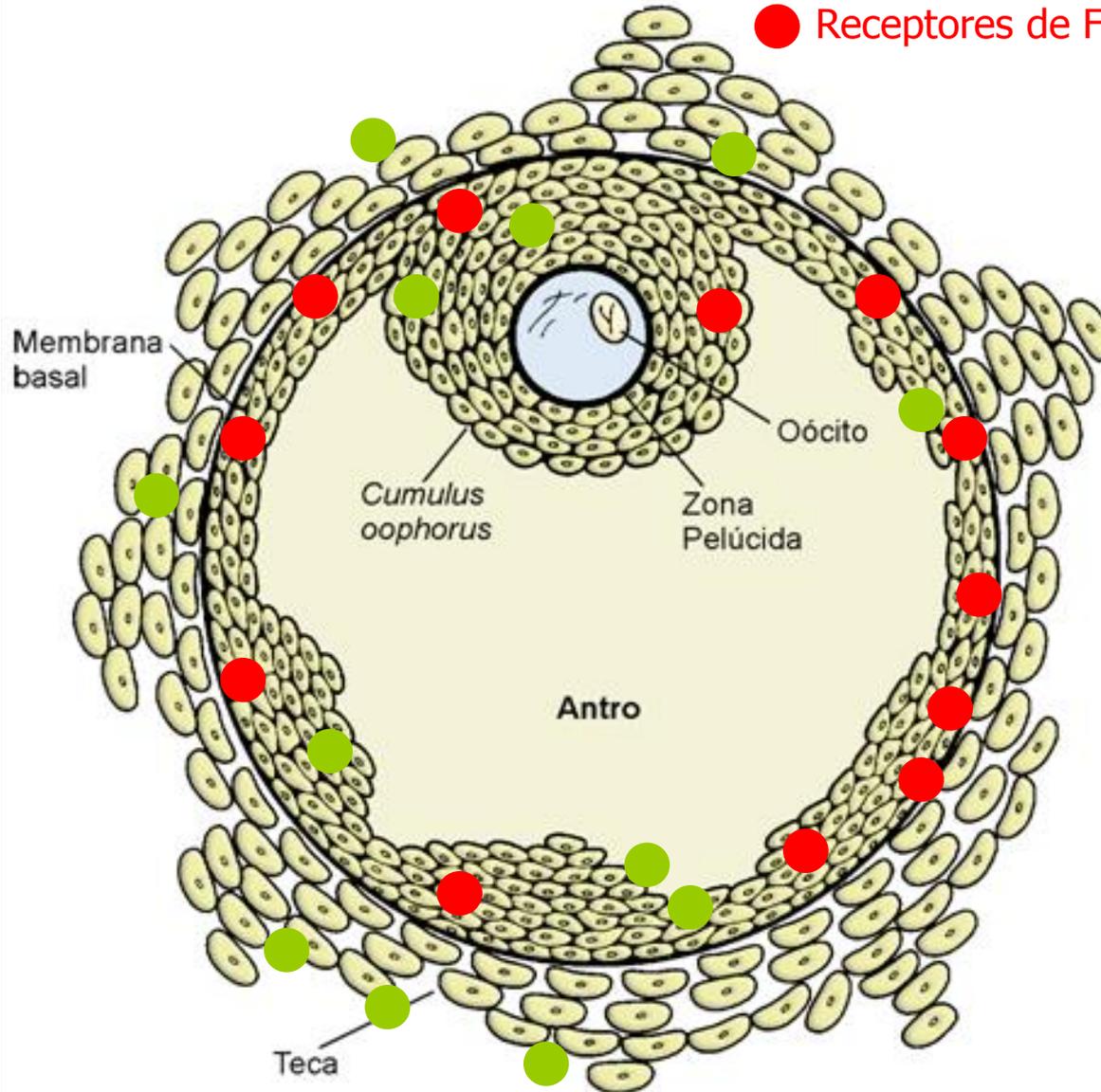


**Dominância
folicular -
Receptores de FSH**

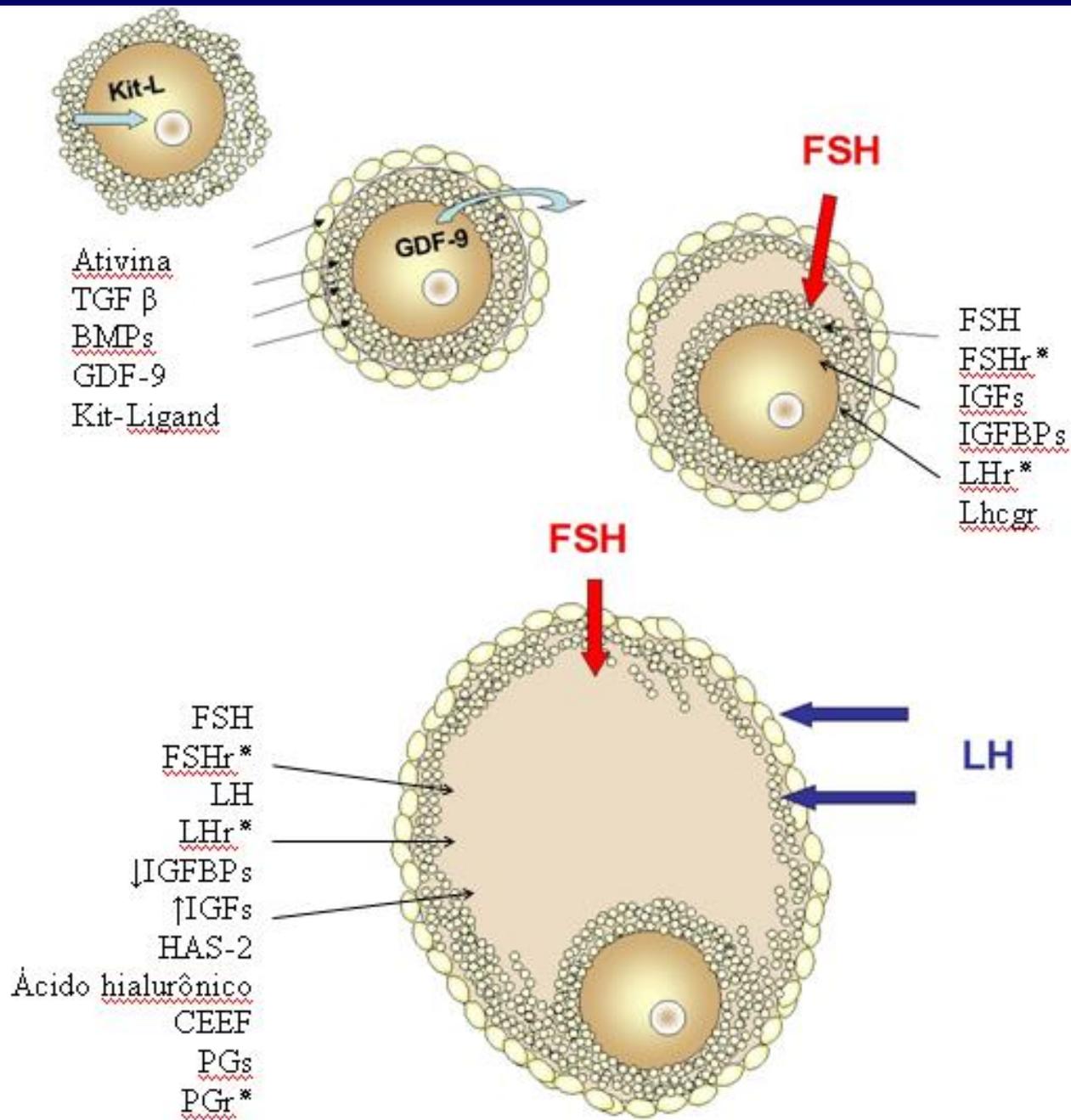


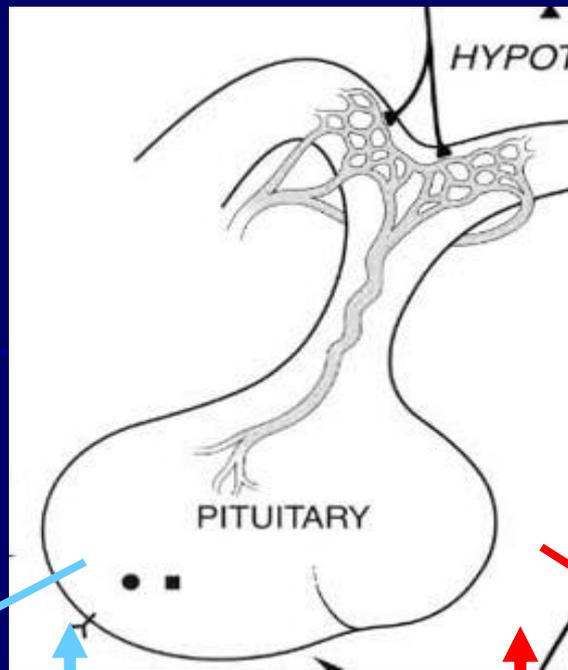
FOLÍCULO PRÉ - OVULATÓRIO

- Receptores de LH
- Receptores de FSH

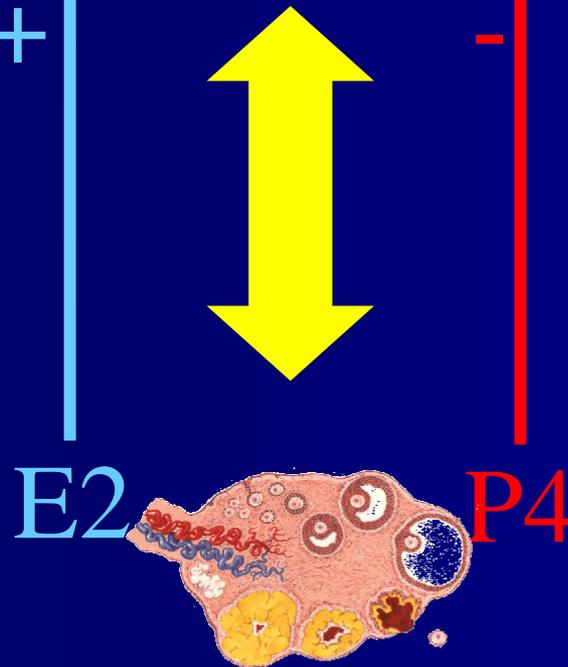


Cross-talk entre oócitos e células da granulosa





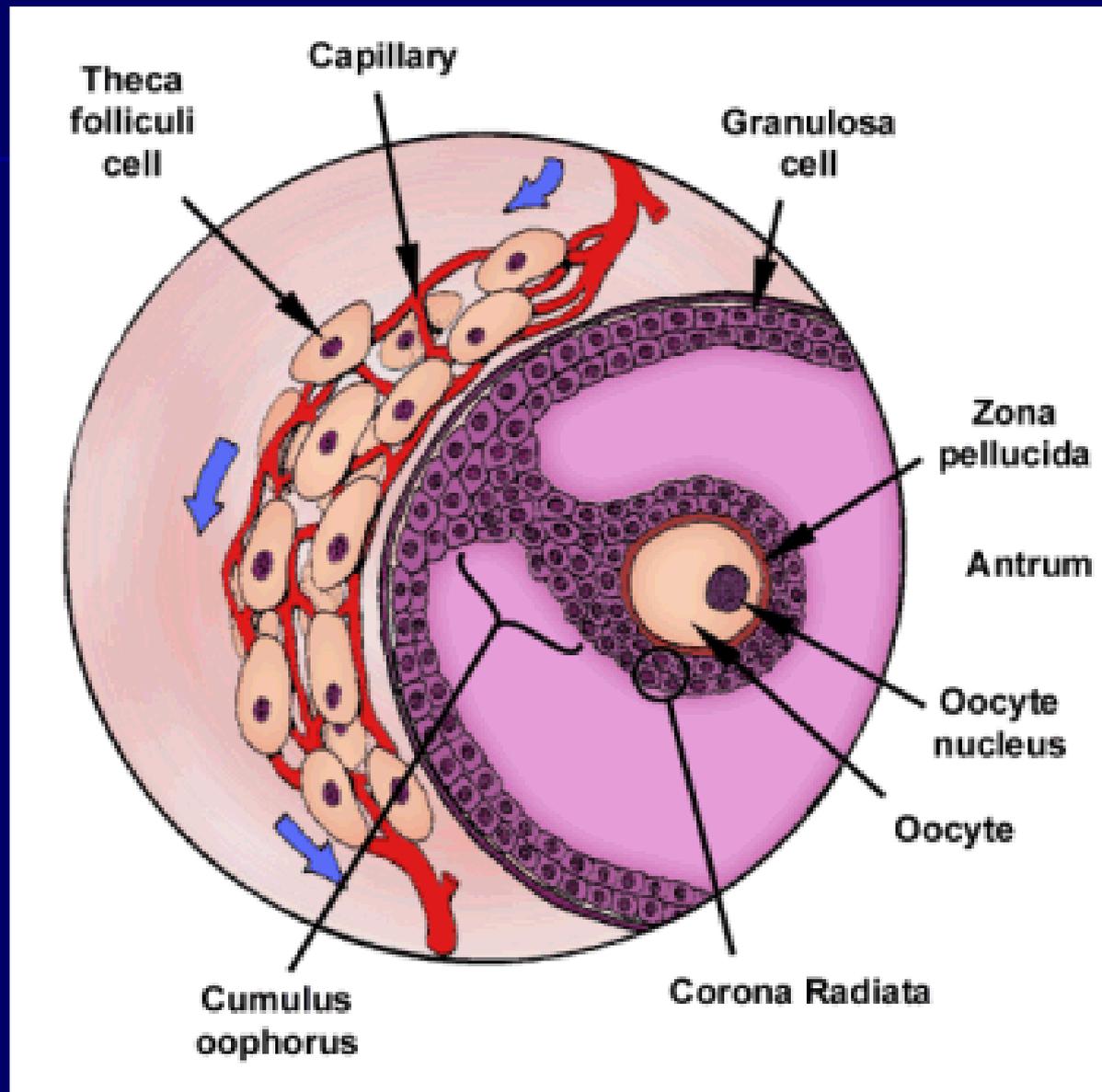
Feedback dos esteróides Sexuais sobre a hipófise: Positivo ou Negativo???



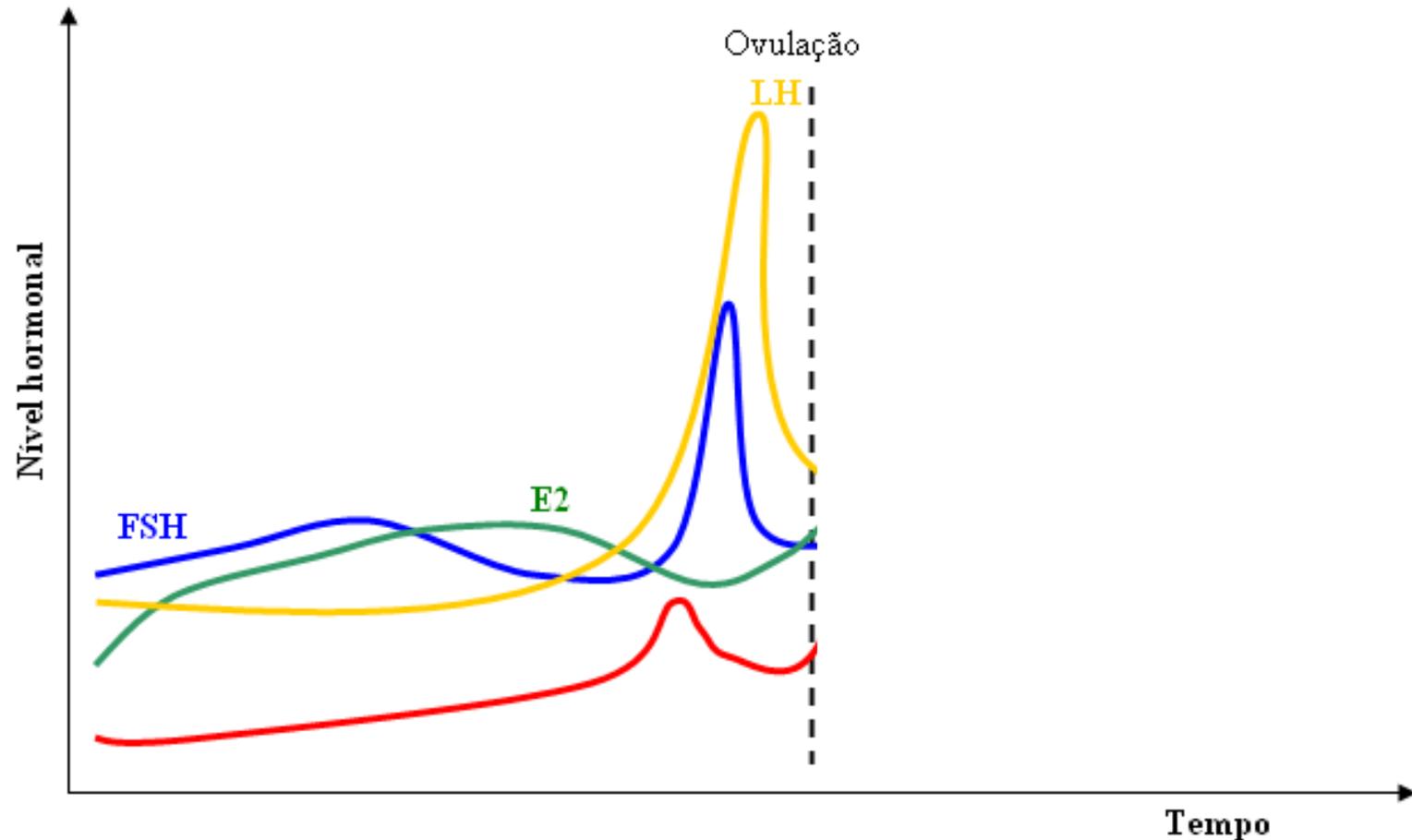
E2

P4

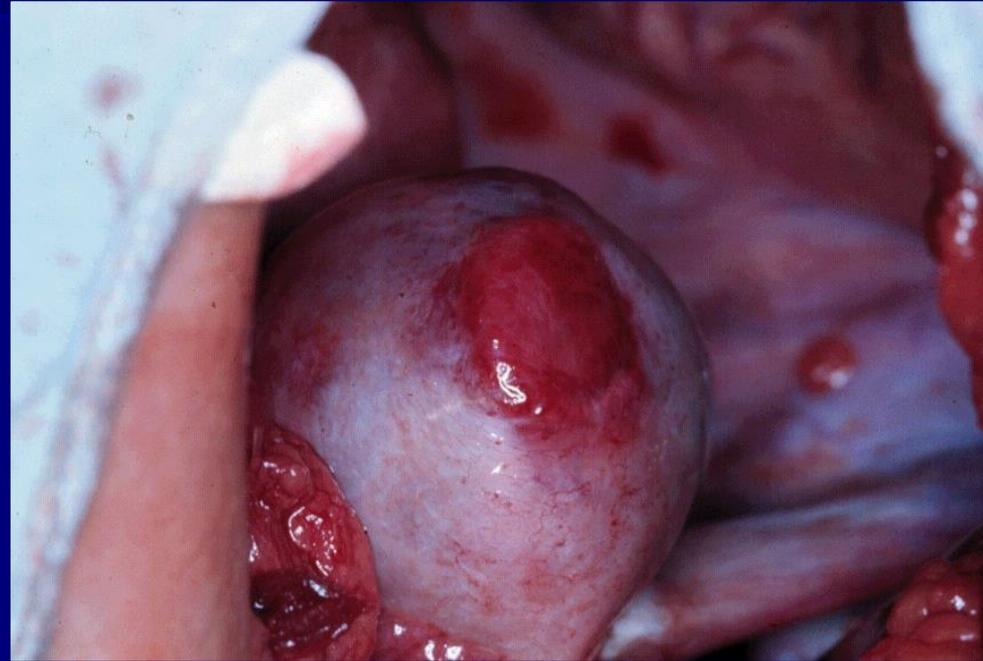
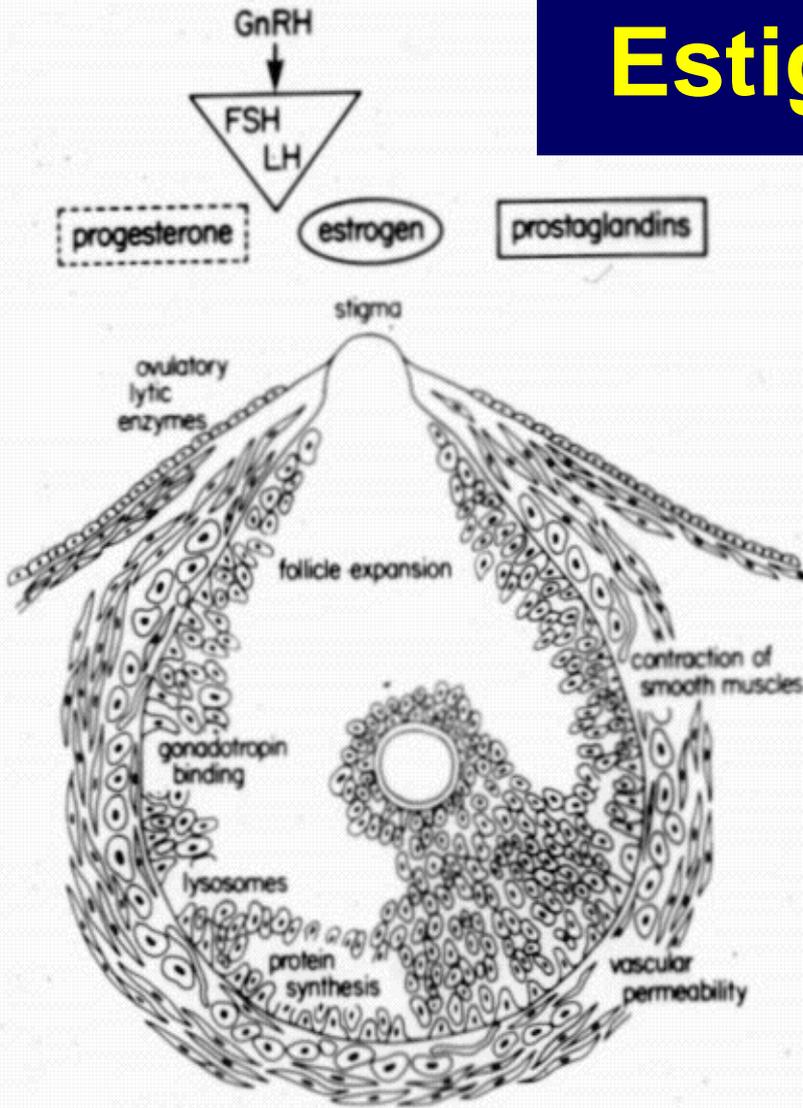
Mecanismo das duas Células



Perfil Hormonal ao longo do ciclo menstrual



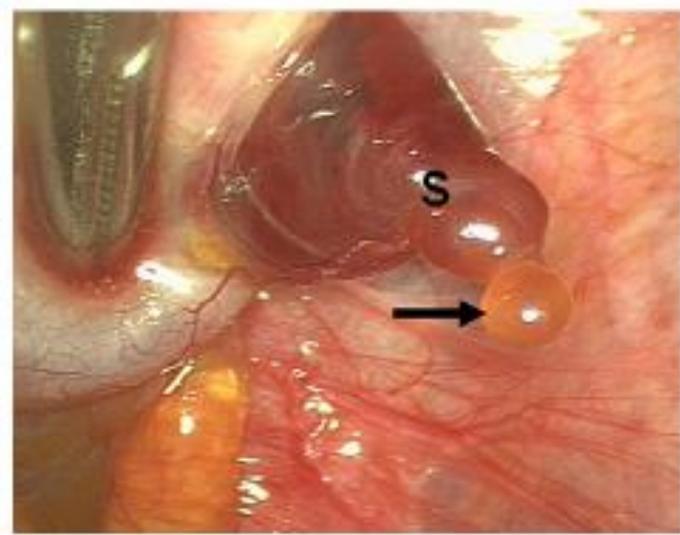
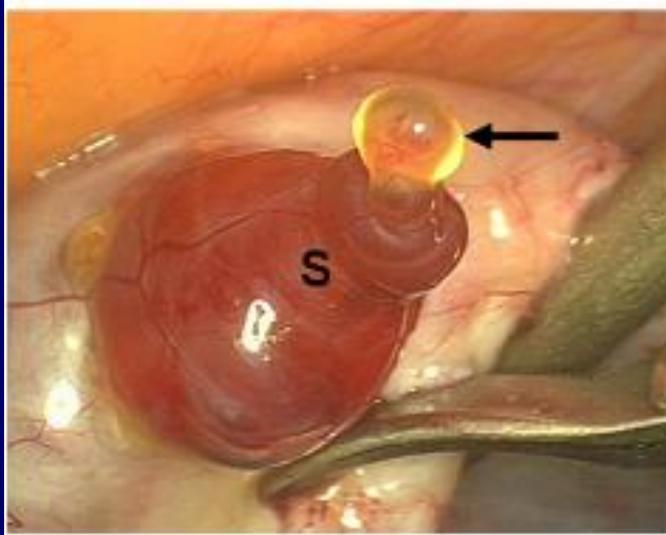
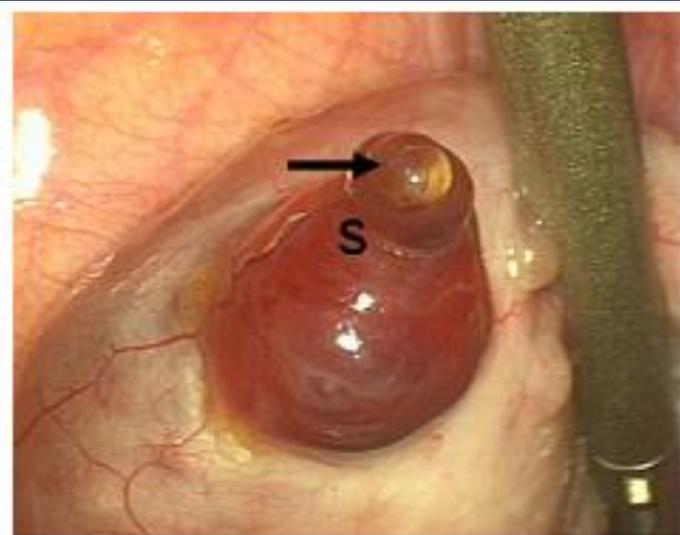
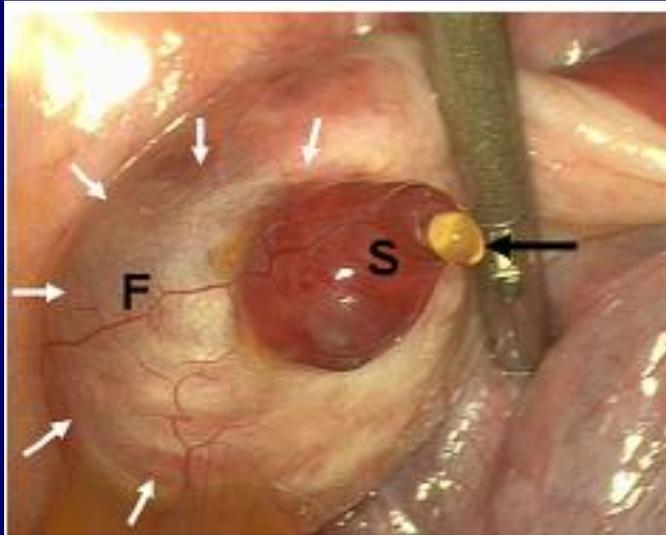
Estigma Ovulatório



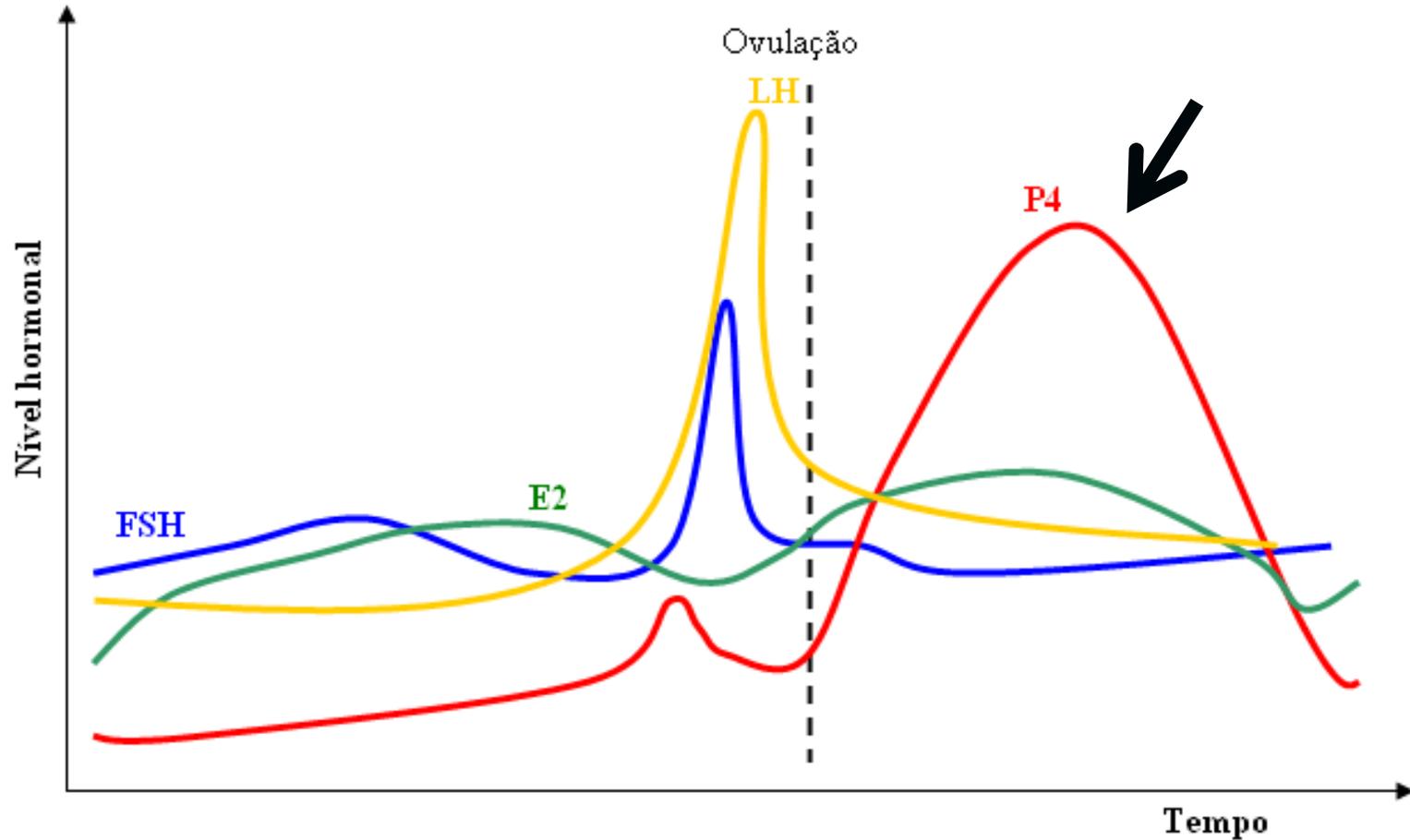
A extrusão oocitária



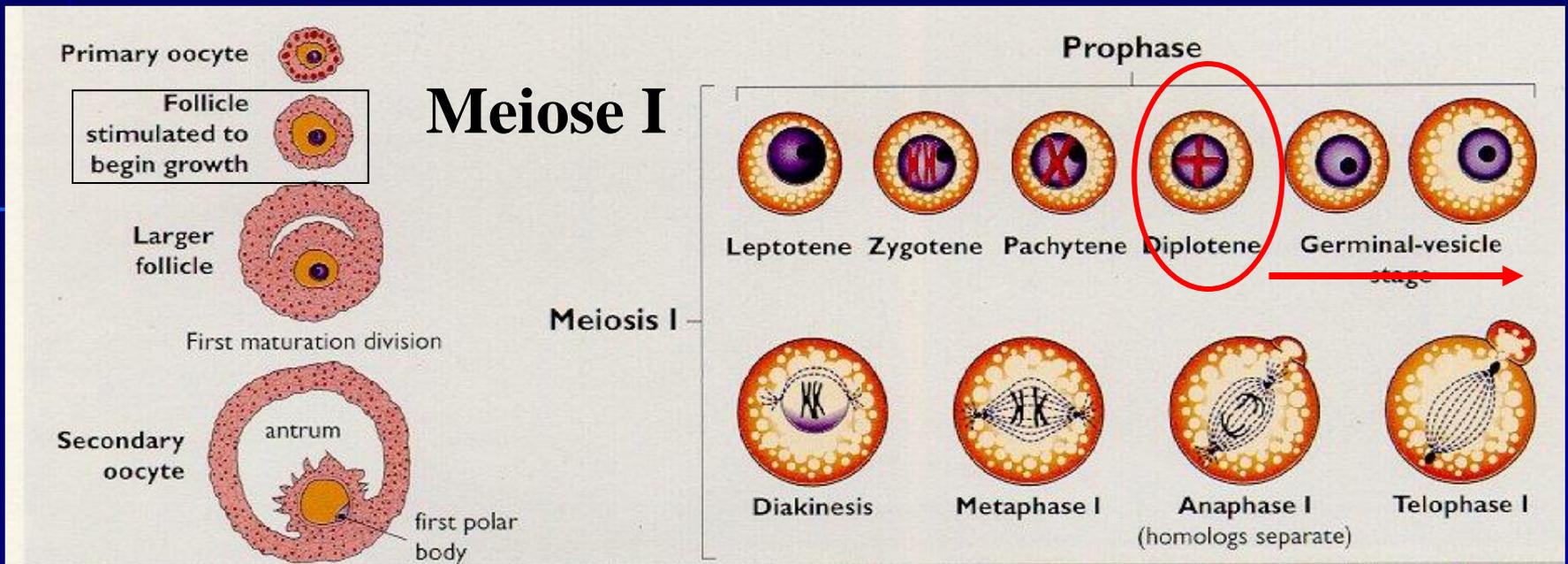
O processo ovulatório



Perfil Hormonal ao longo do ciclo menstrual



Período Peri-ovulatório



Diacinese – terminalização dos quiasmas – fragmentação da carioteca

Metáfase I – cromossomos duplicados na placa equatorial da célula

Anáfase I – separação de cromossomos homólogos

Telófase I – desespiralização dos cromossomos,

Reorganização da carioteca e do nucléolo

Oócito – Ovulação

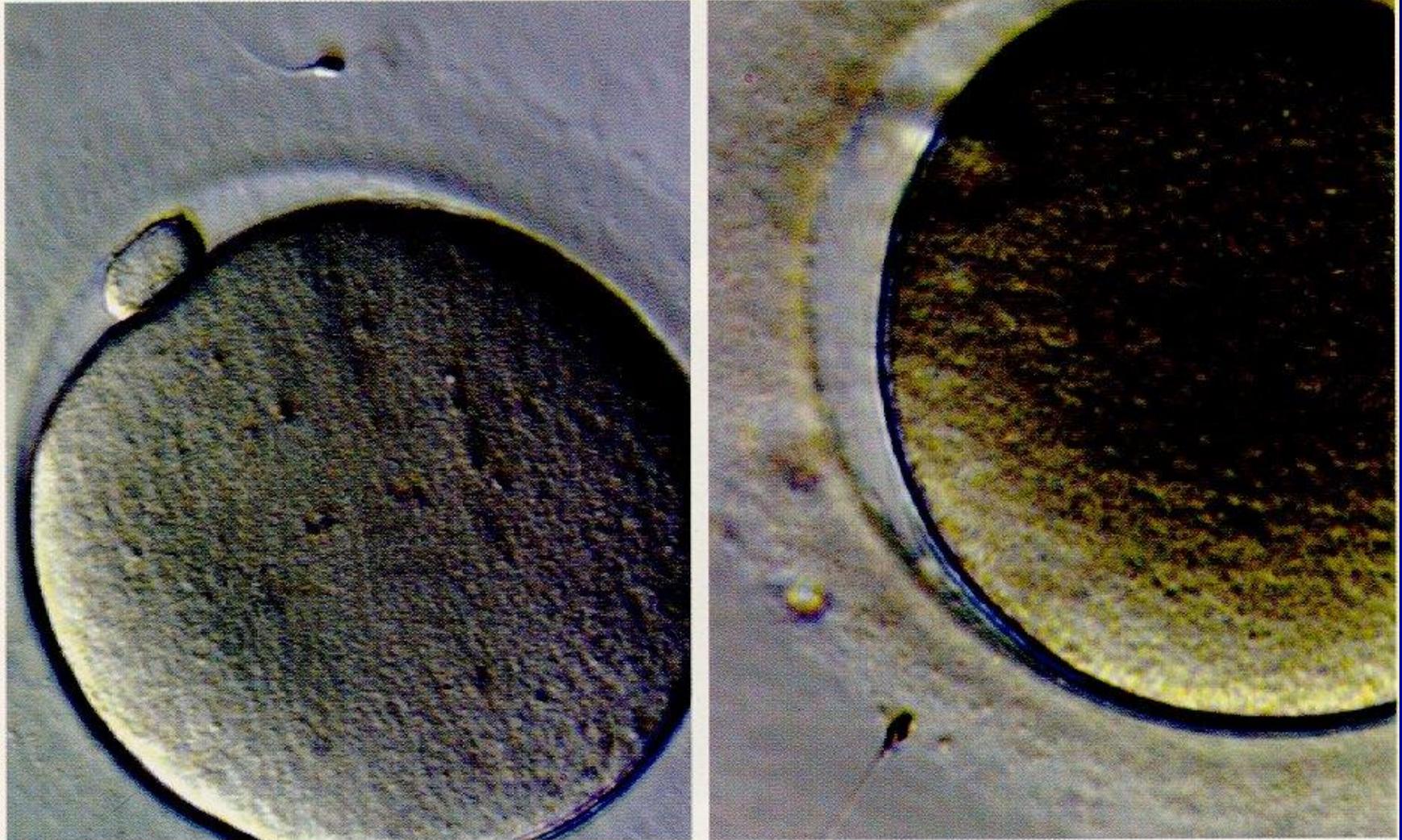
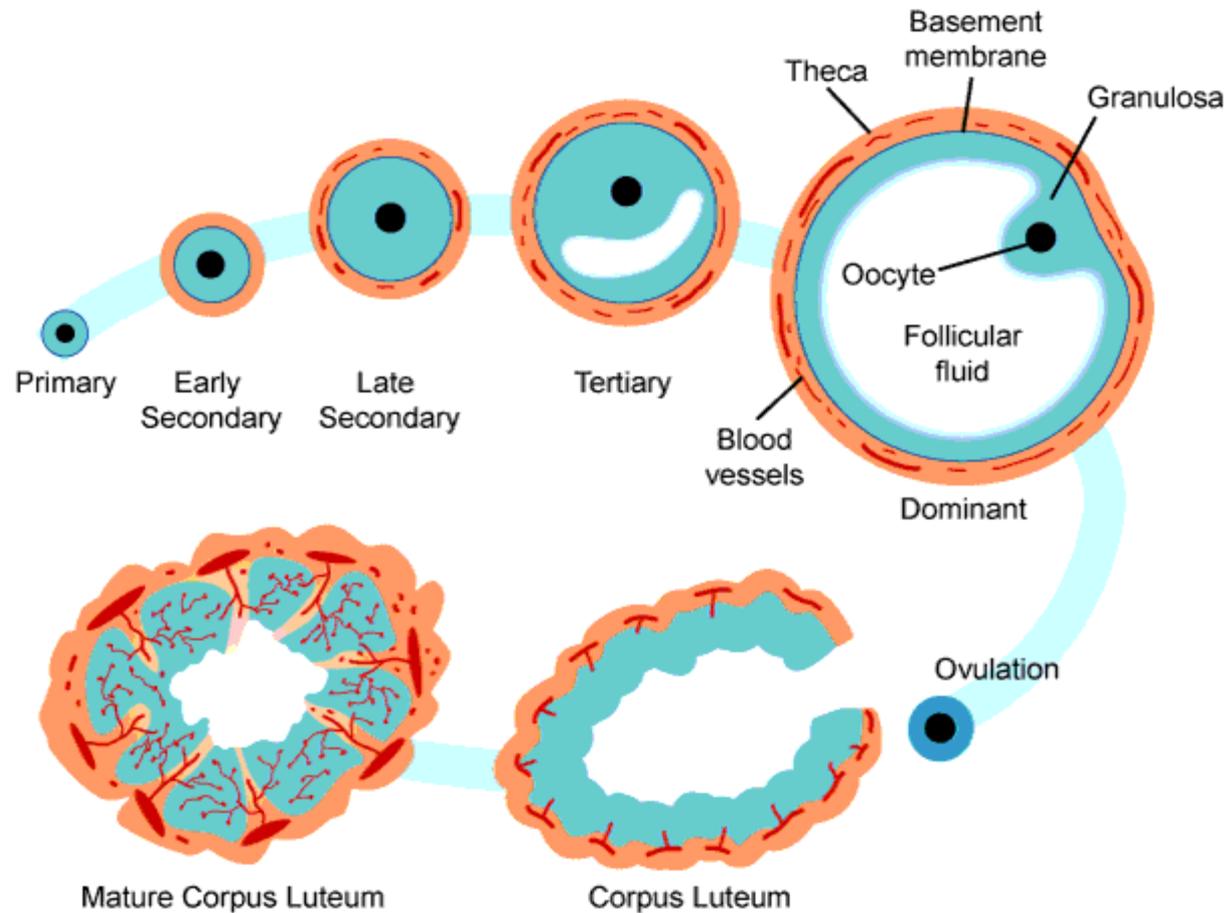
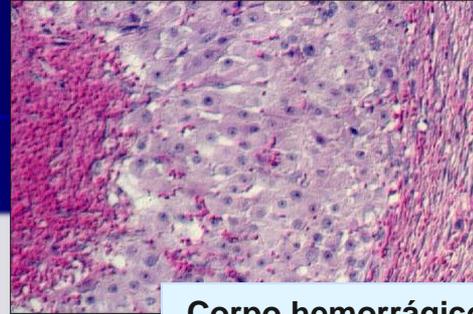
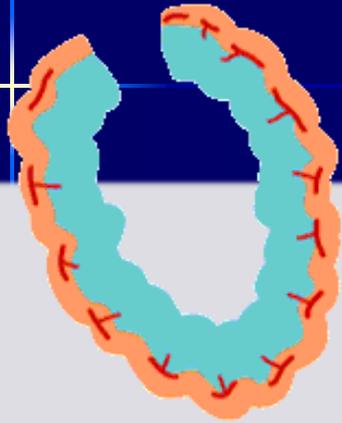


Figure 1.4 Mature oocytes and spermatozoa, the beginnings of a new life

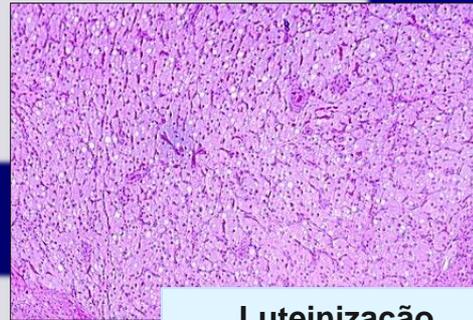
O CORPO LÚTEO



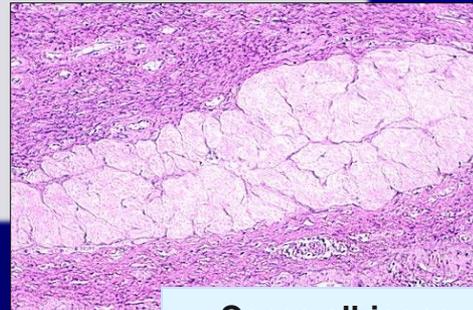
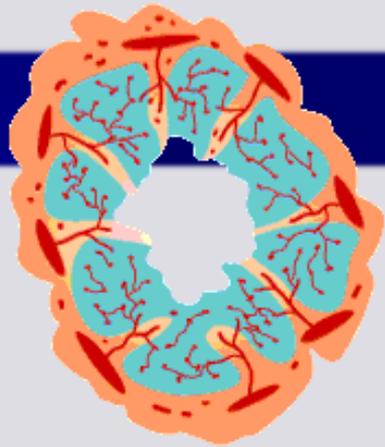
O CORPO LÚTEO



Corpo hemorrágico

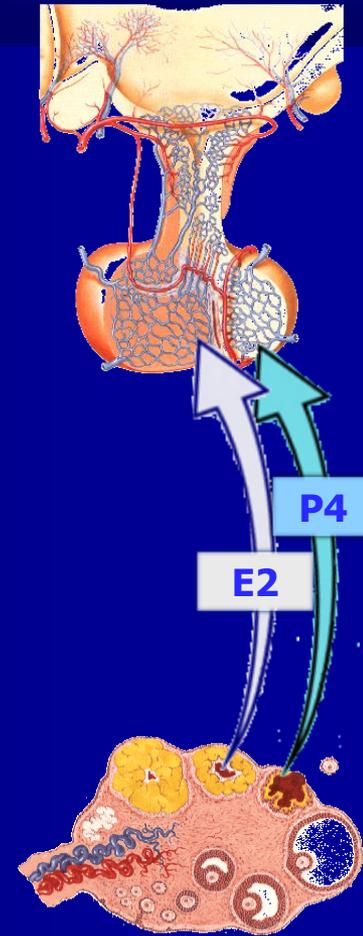


Luteinização

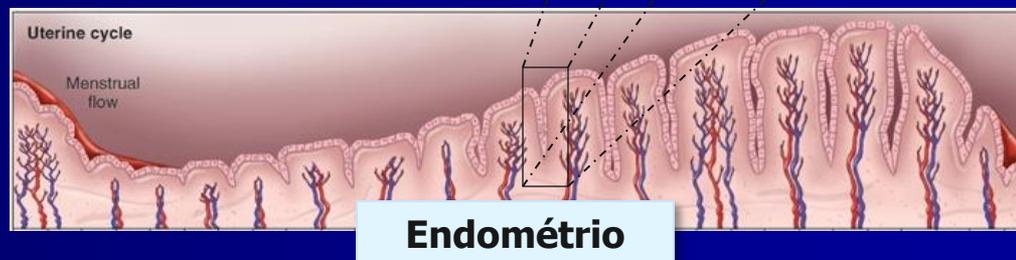
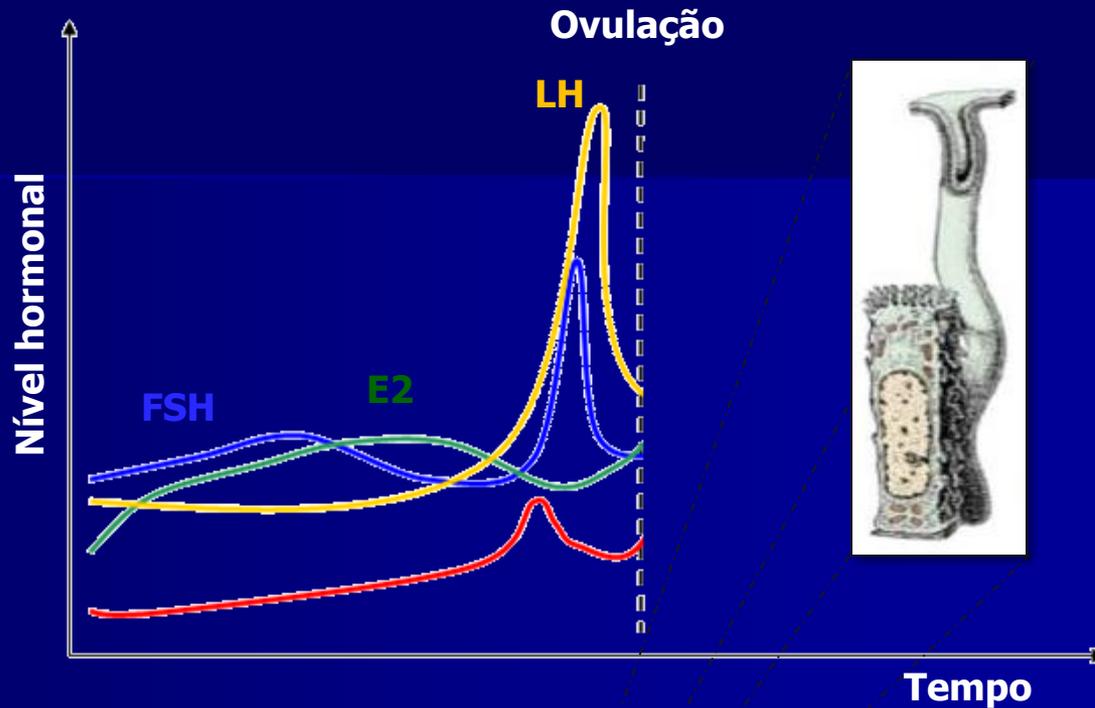
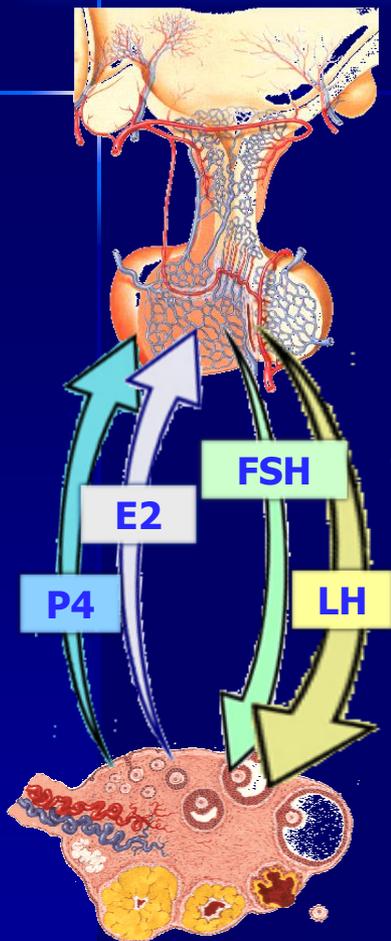


Corpo albicans

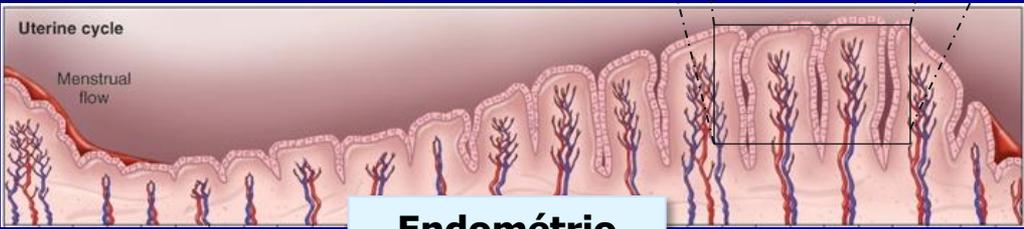
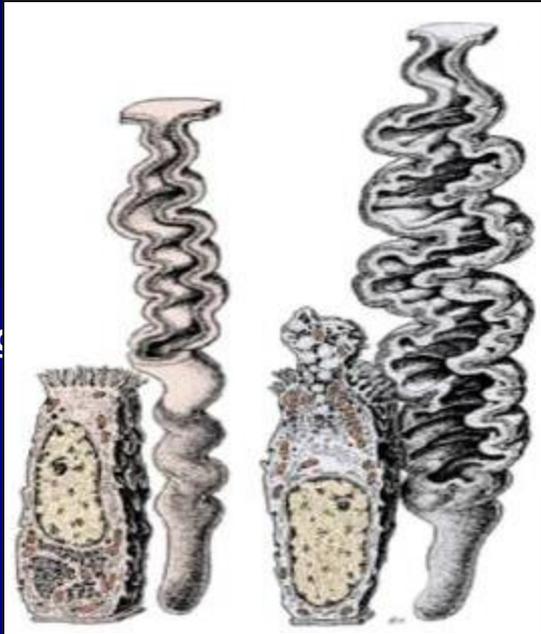
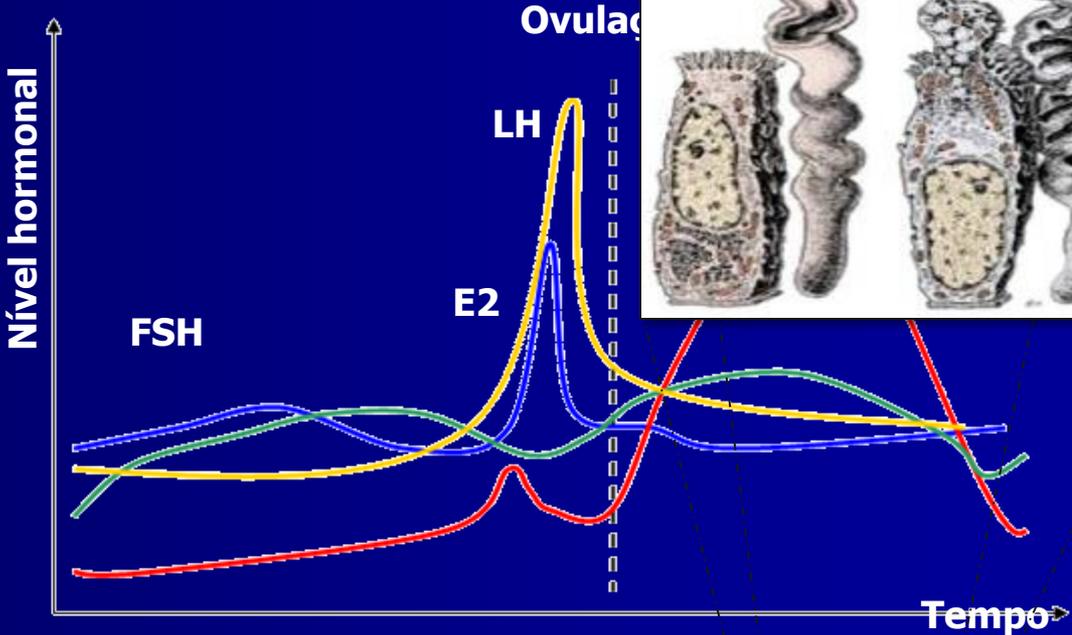
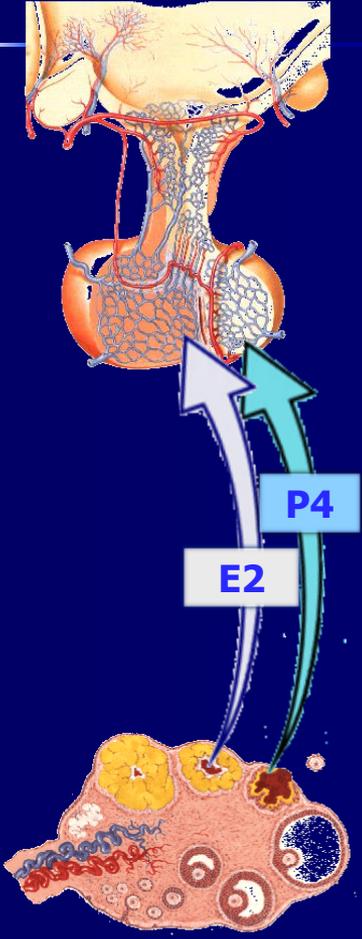
LUTEALPHASE



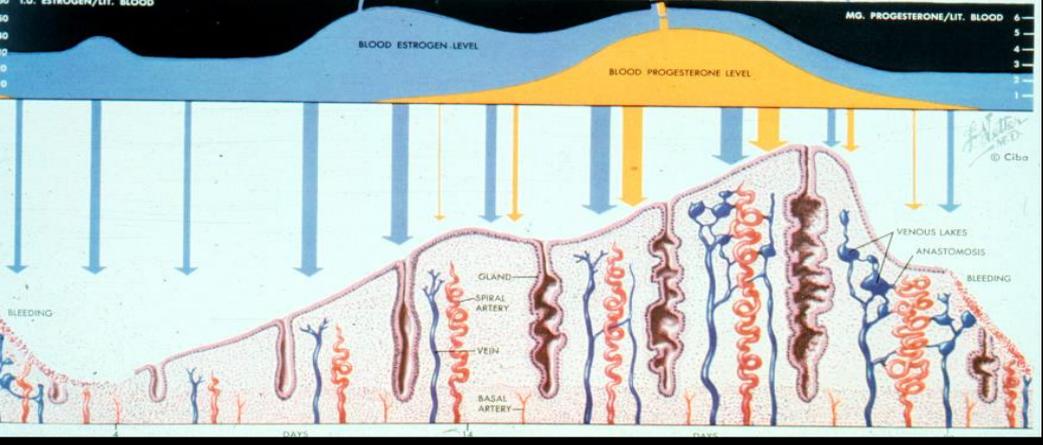
OVULATION



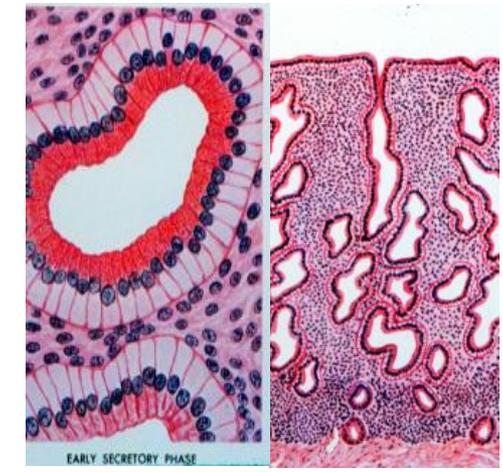
LUTEALPHASE



Endométrio



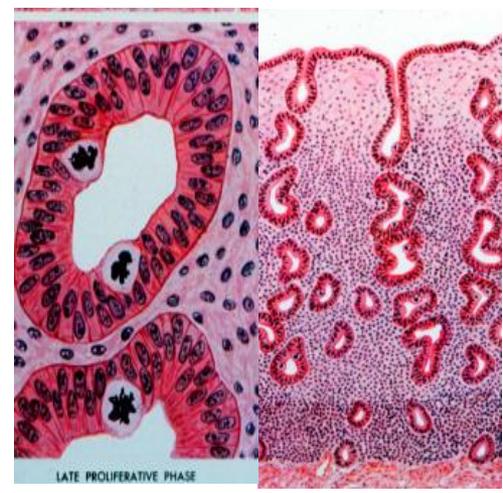
Fase lútea tardia



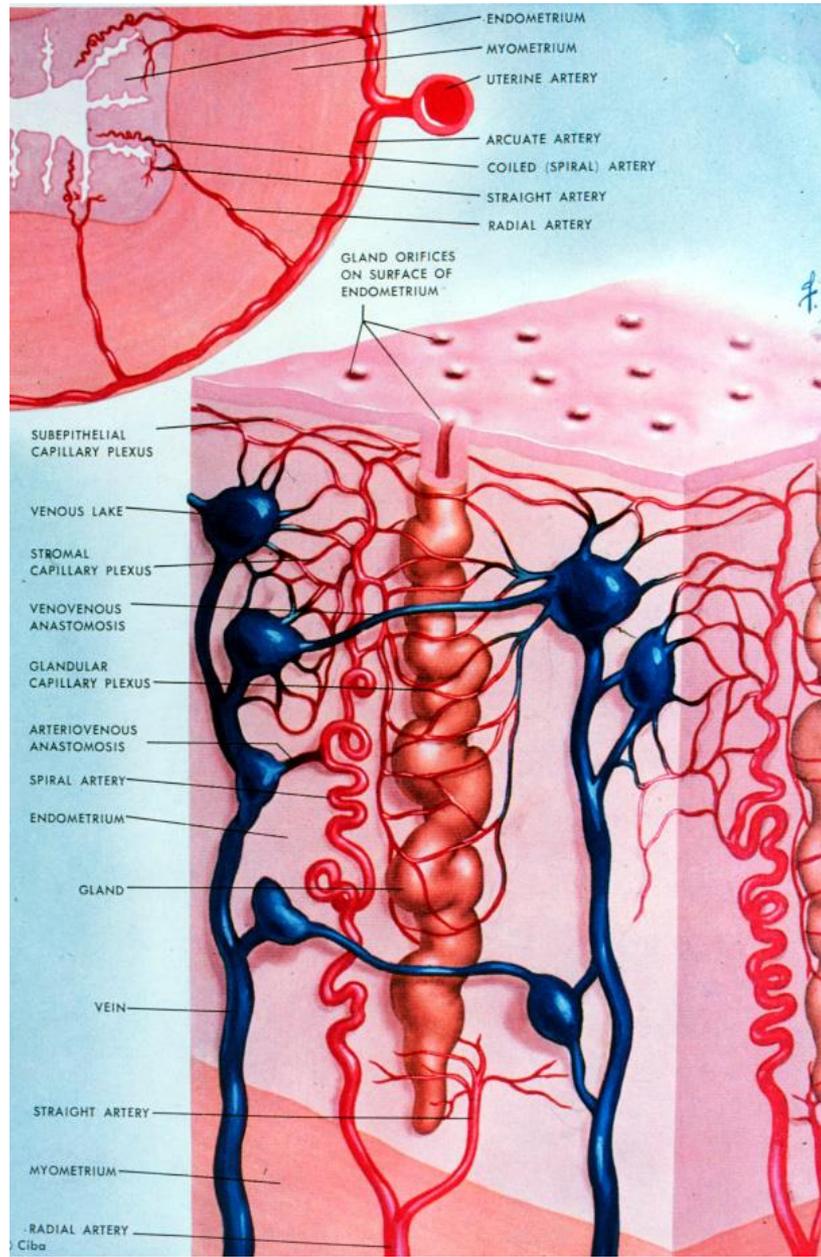
Fase lútea precoce



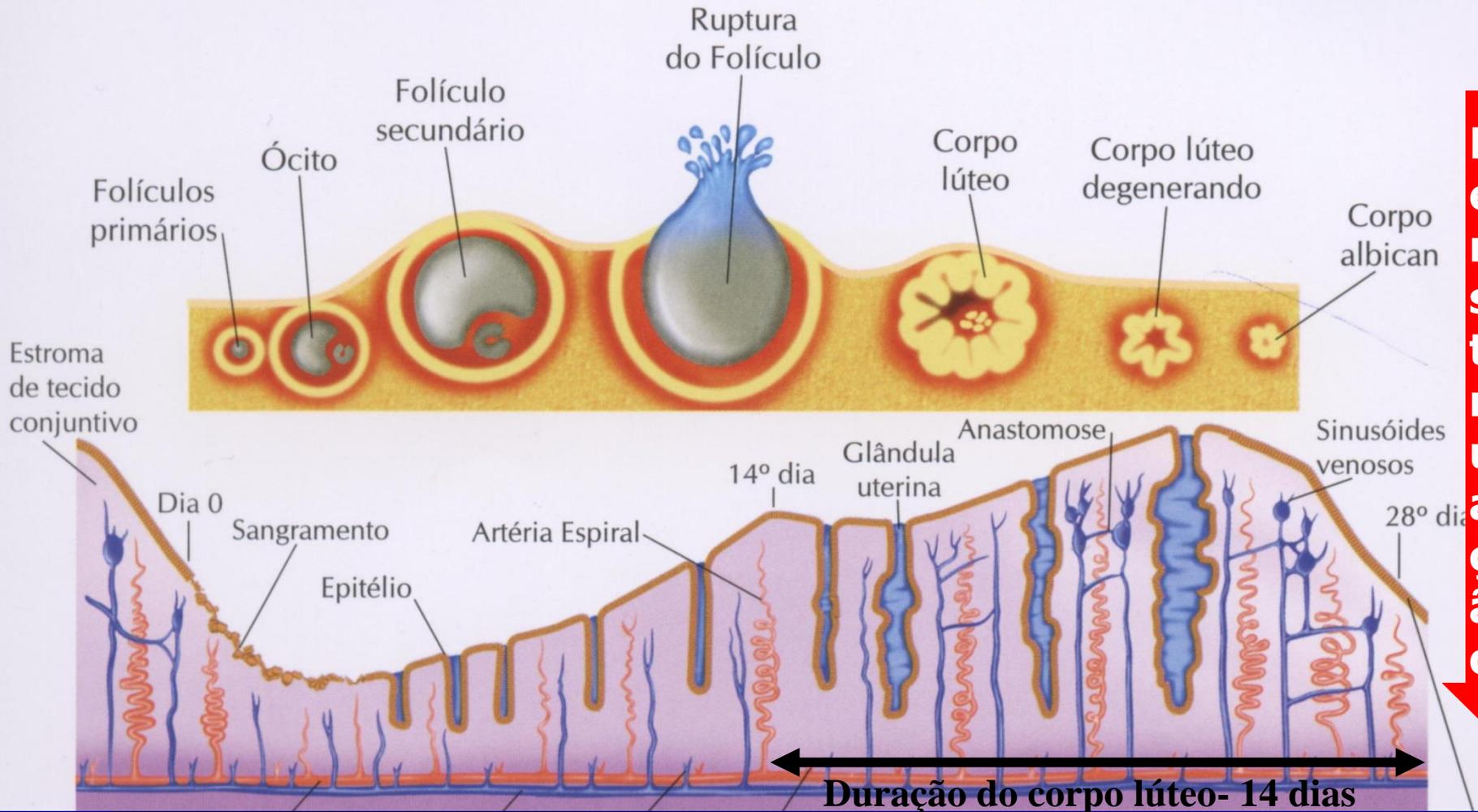
Fase folicular precoce



Fase folicular tardia

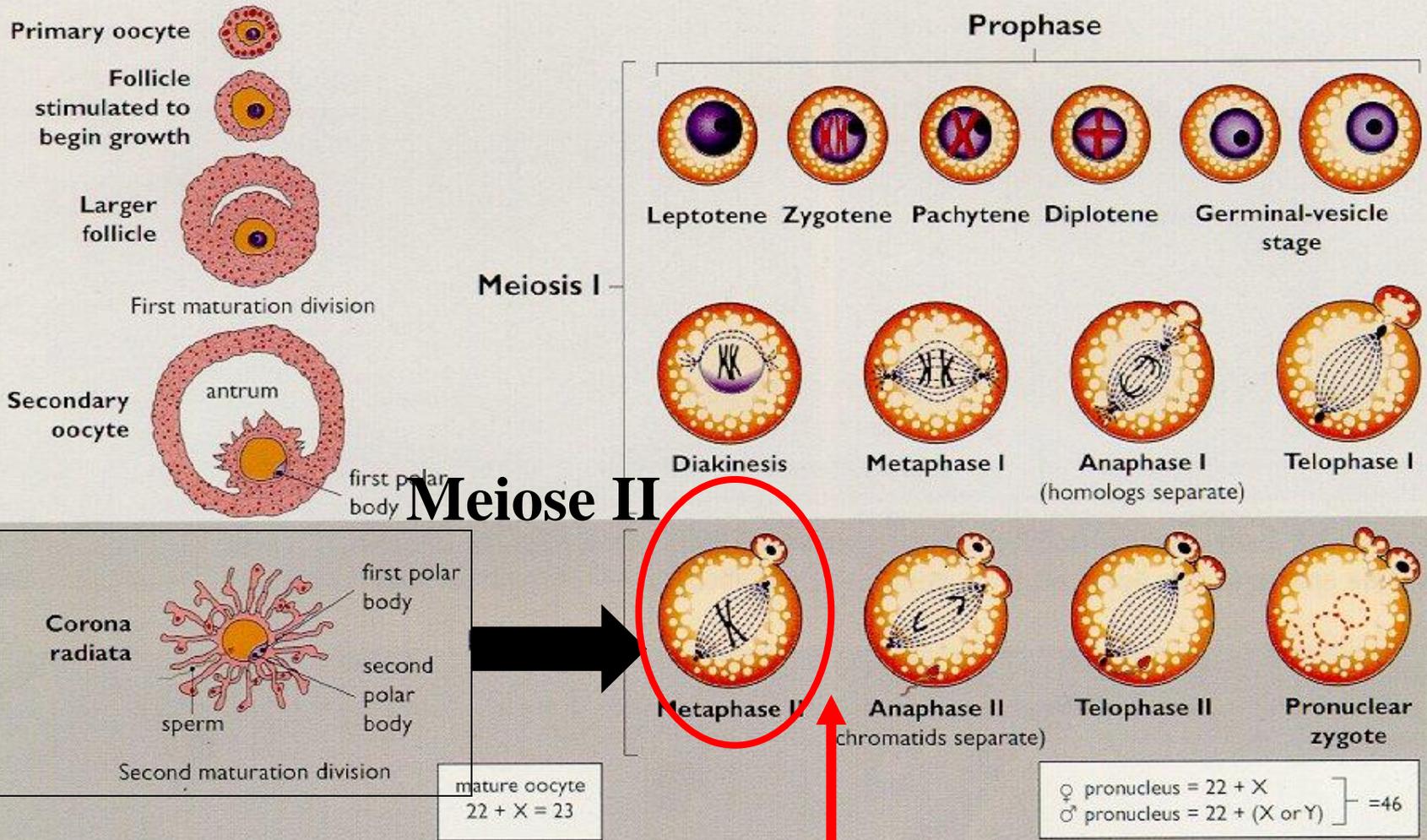


Ciclo Menstrual



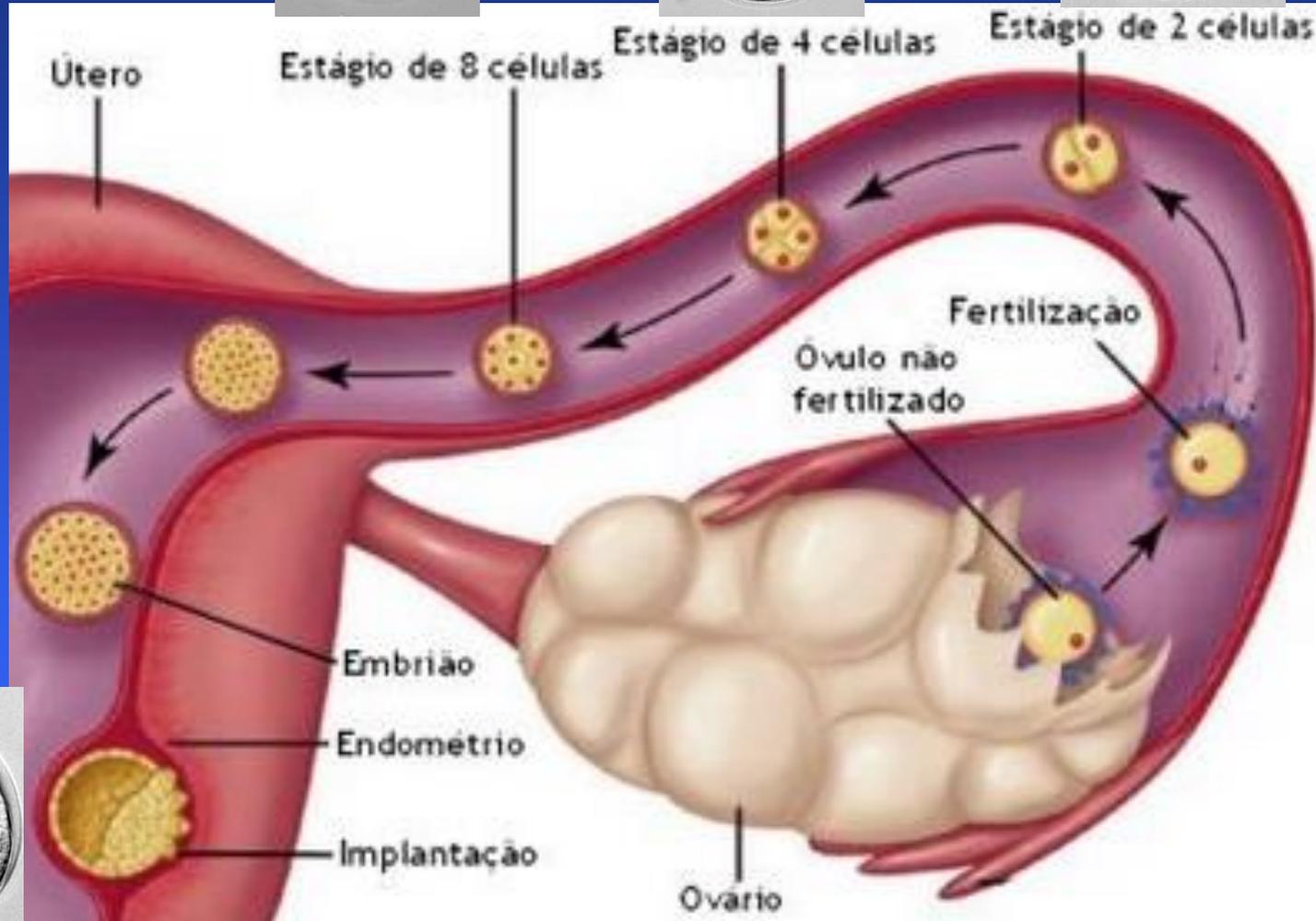
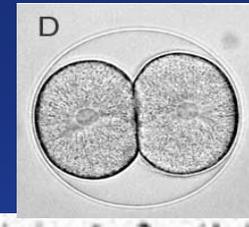
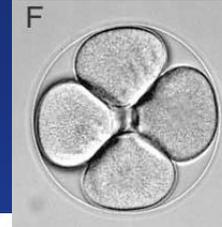
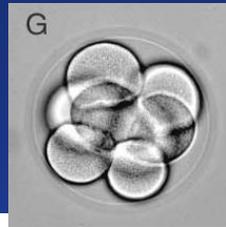
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Fecundação



Ovulação

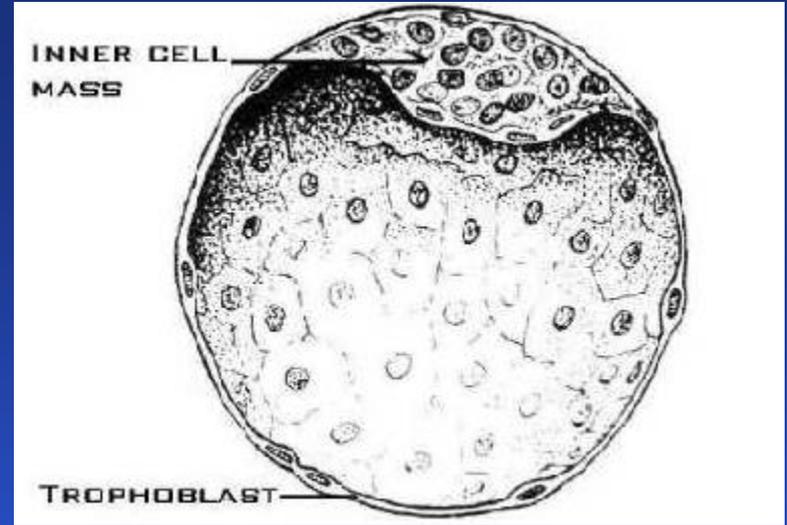
O Ciclo ovulatório / Fecundação



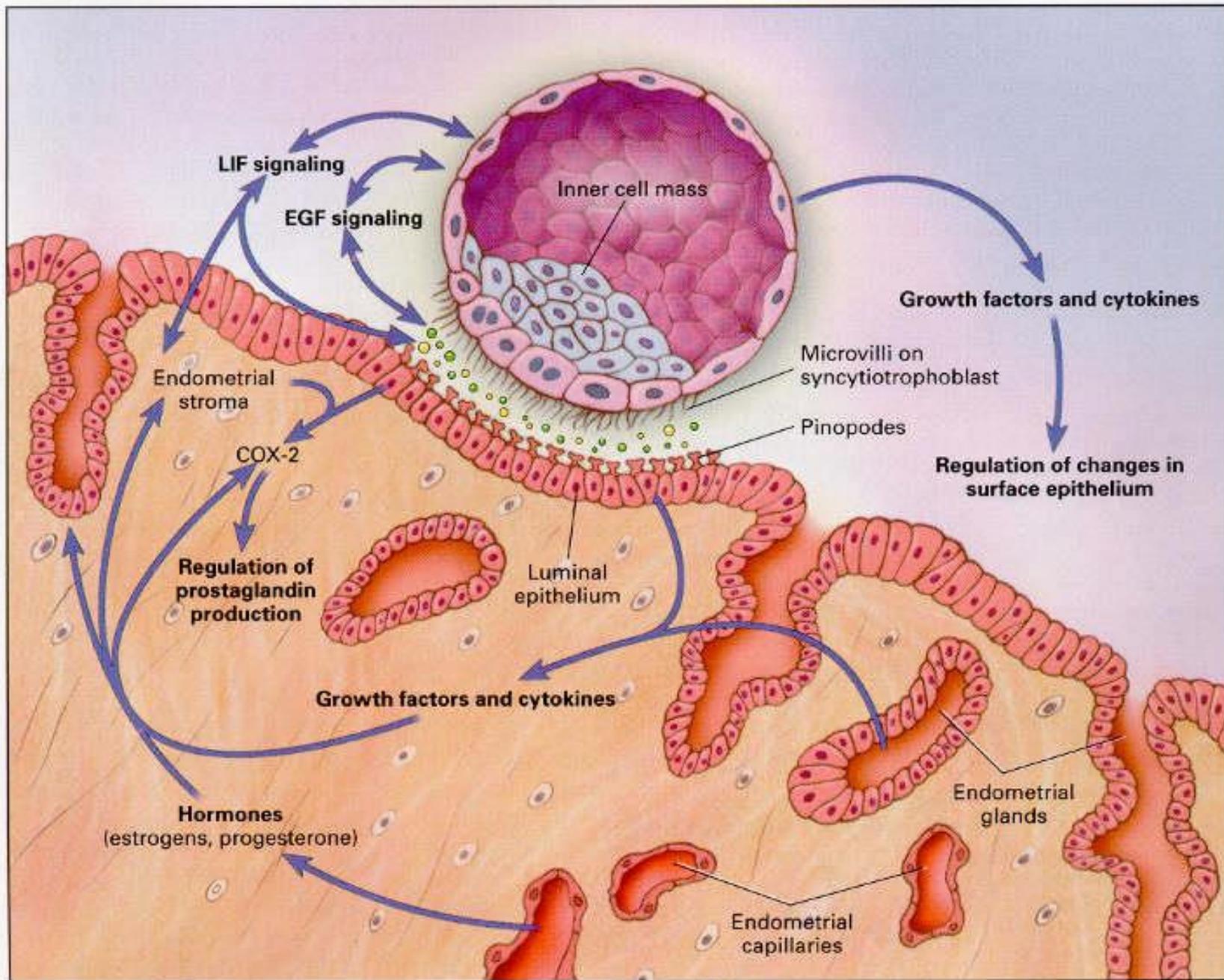
Blastocisto

Blastocisto

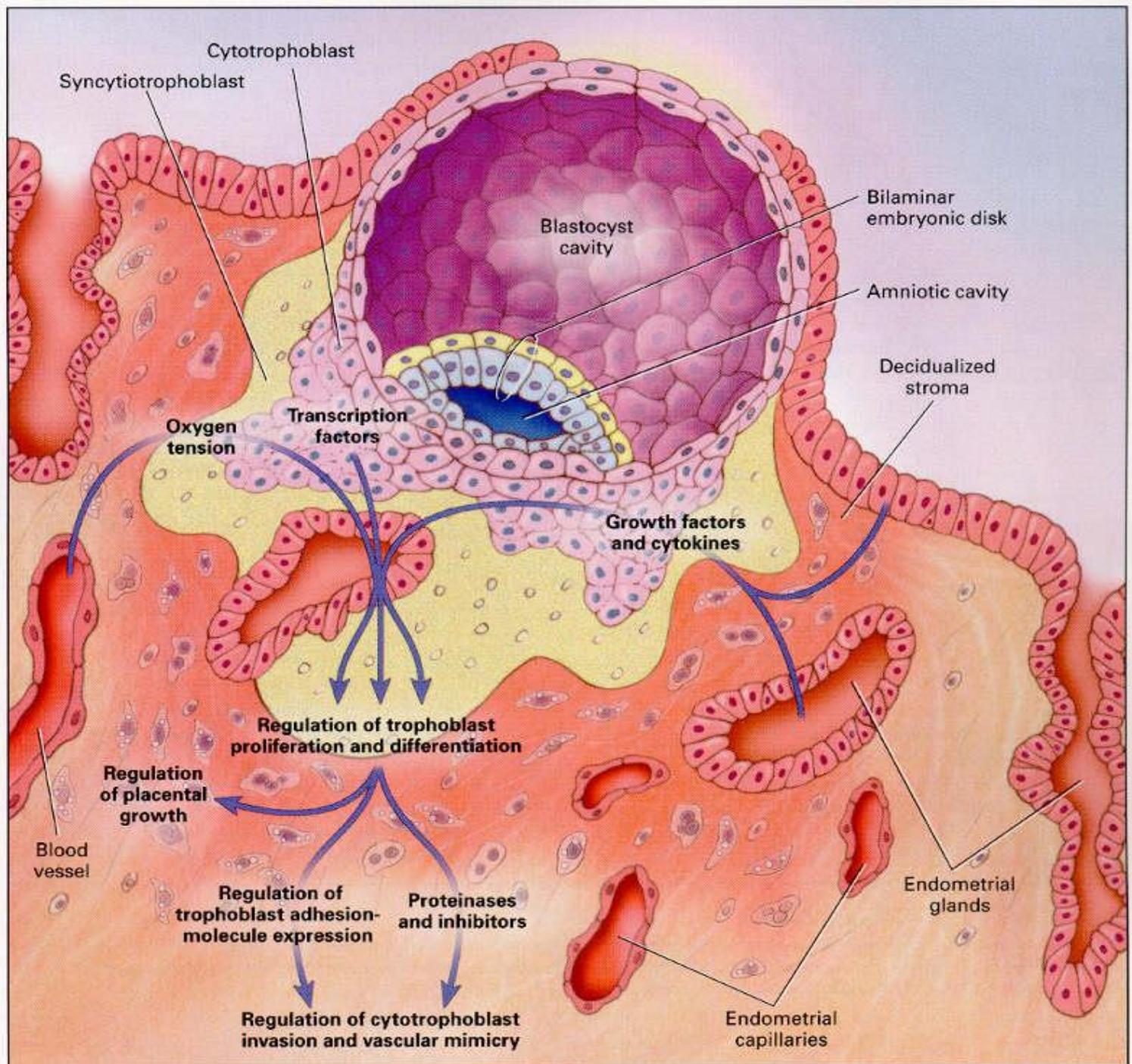
Mórula

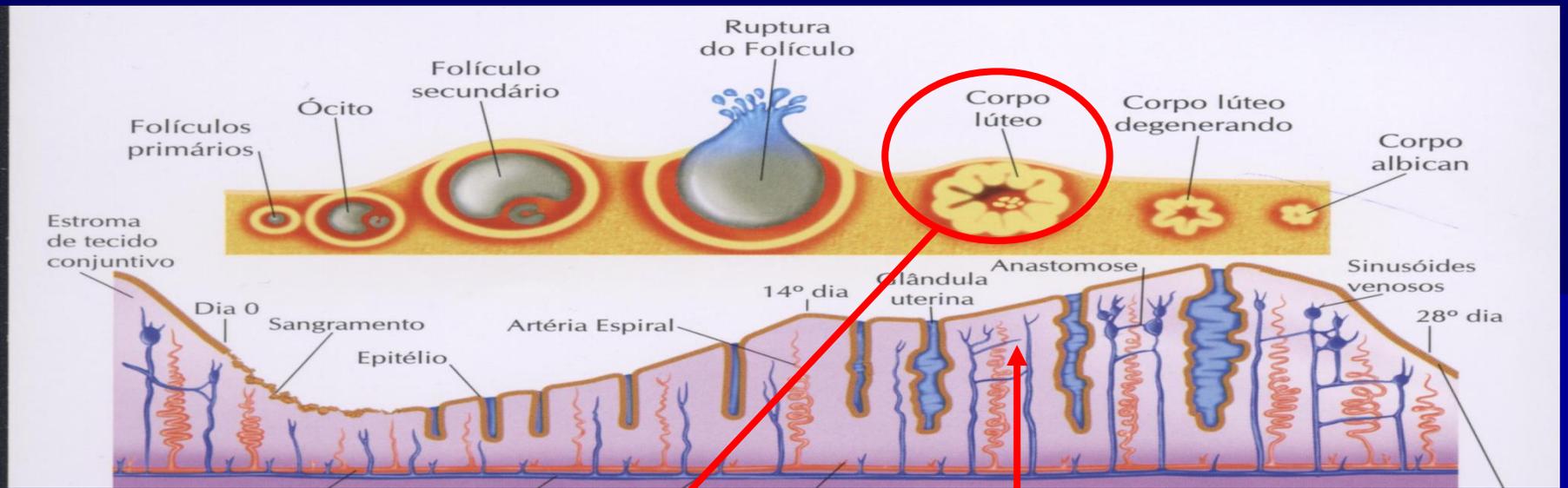


Aposição

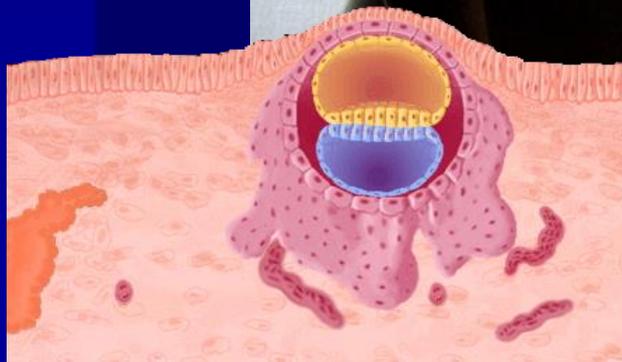


Adesão





12 semanas de gestação



hCG=LH