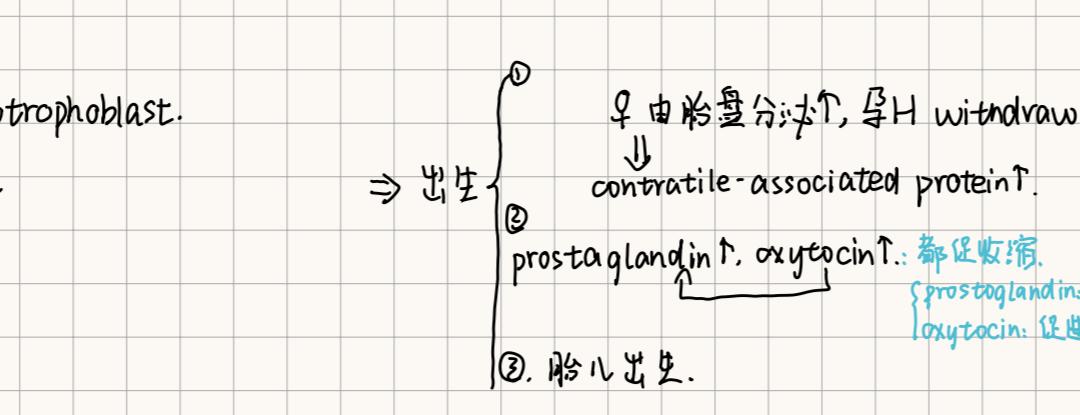
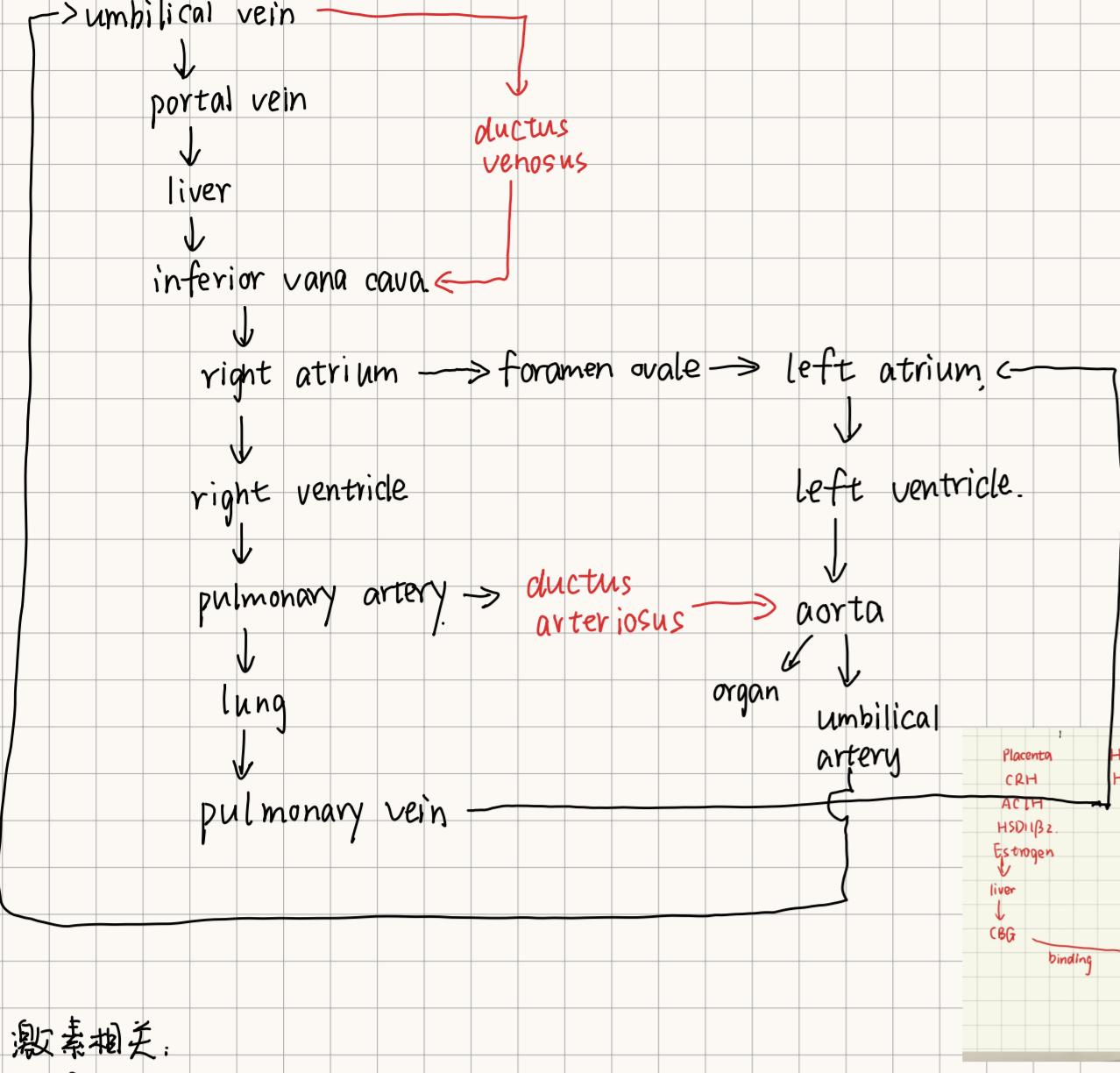


胎儿循环:



出生:

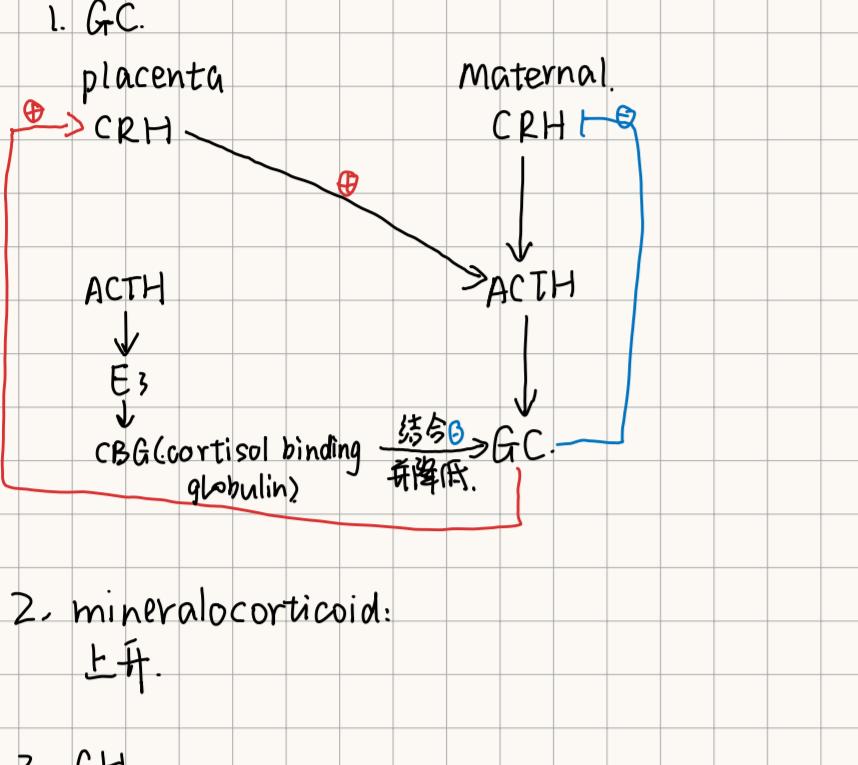
- ① 由胎盘分离, 妊娠蛋白
↓
孕酮-相关蛋白: prostaglandin P. oxytocin. 新生刺激
② 胎儿出生.

孕酮: placenta -> GnRH

出生

breast feeding: GnRH begin, but no enough to support follicle.

激素相关:



ductus arteriosus: Bypass pulmonary system.
Lung, vasodilation → pulmonary vascular resistance (PVR); arterial blood, systemic resistance (SVR)
foramen ovale: Bypass right ventricle.
Left atrium pressure, rapid drop in systemic venous return.

ductus venosus: Bypass liver.

• PVR/SVR ratio is decreased***

- Decreased pulmonary vascular resistance (PVR)
- Increased systemic vascular resistance (SVR)

Air breathing

肺部扩张

↑ stretch receptors

↑ PO2, O2F

↑ Prostaglandin, nitric oxide, etc.

↑ 血管

↑ 血管收缩

↑ 血管舒张

↑ 血管

↑ 血管