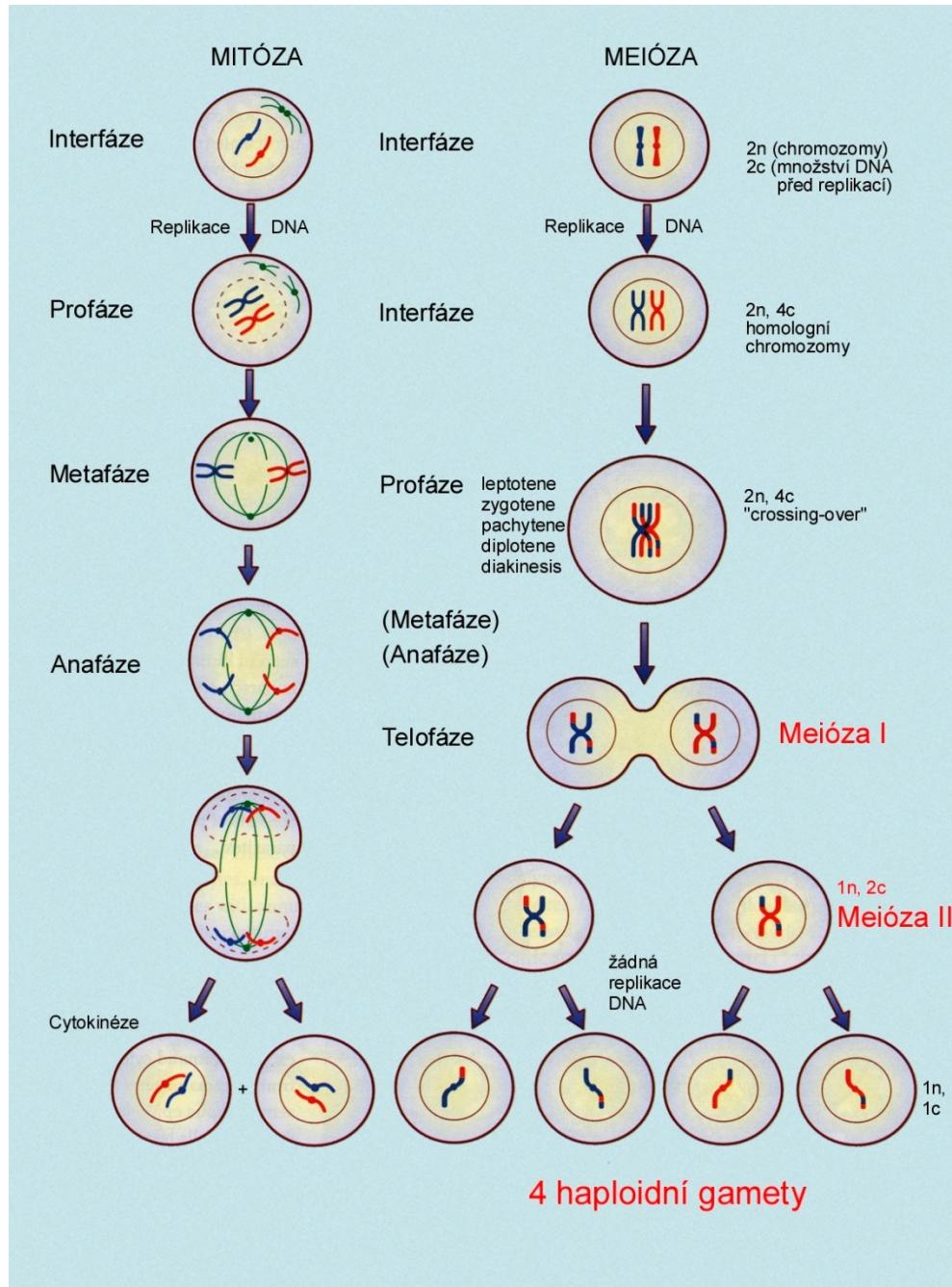


M U N I
M E D

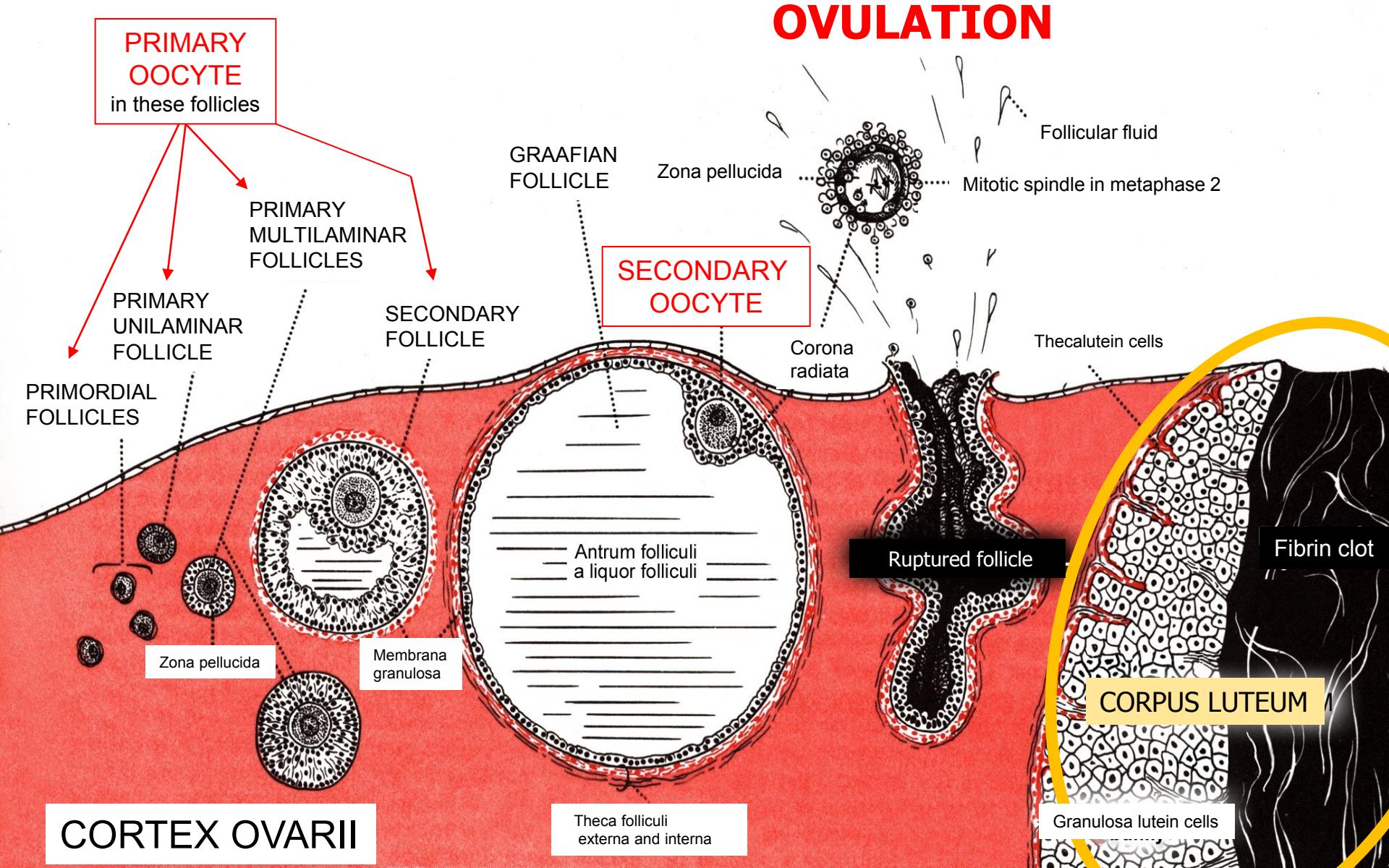
GENERAL EMBRYOLOGY 1

Meiosis. Development of gamets. Fertilization. Cleavage.
Implantation. Changes in blastocyst during implantation.
Differentiation of embryoblast and trophoblast.
Germ disc. The axial organs of embryo. Development of
embryonic mesoderm and notochord.

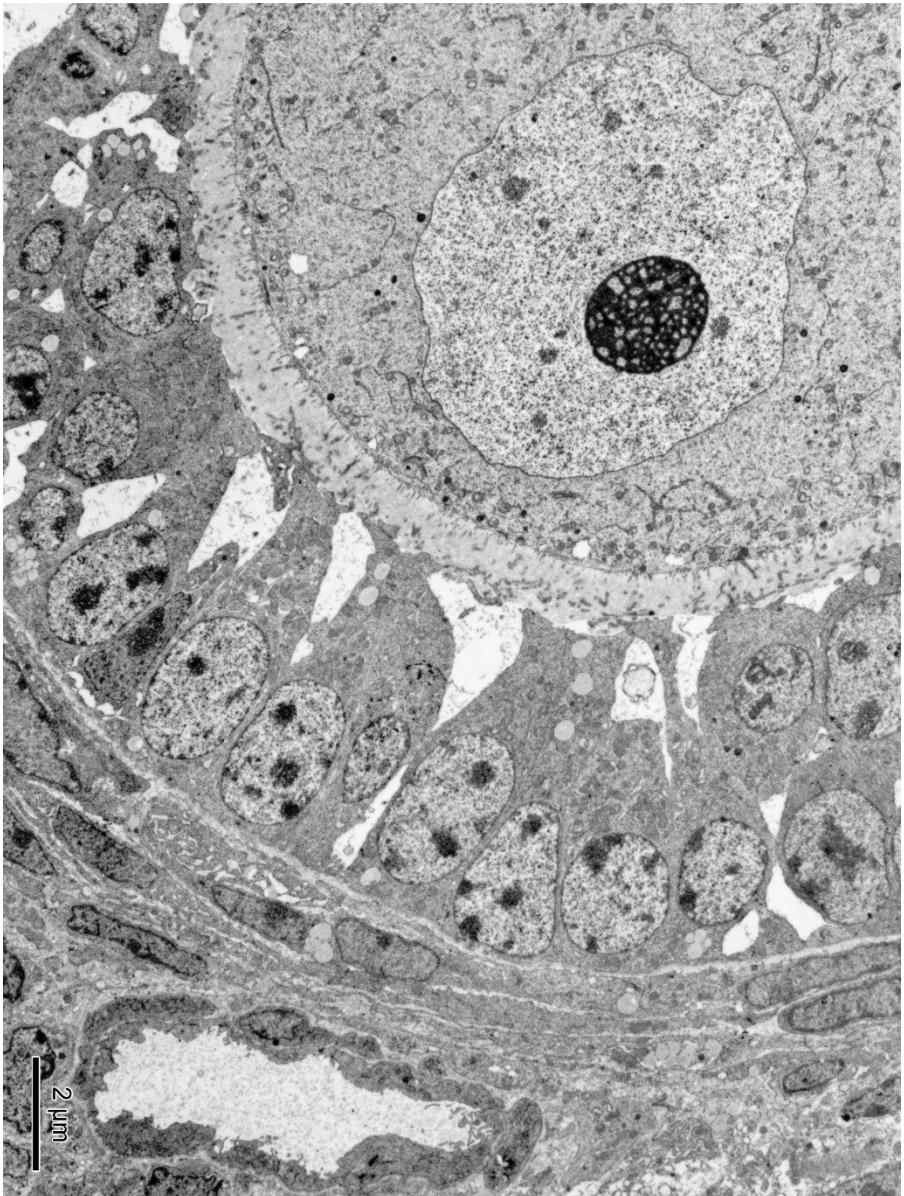
MITOSIS and MEIOSIS – the main differences



GROWTH AND MATURATION OF OVARIAN FOLLICLES



Oocyte

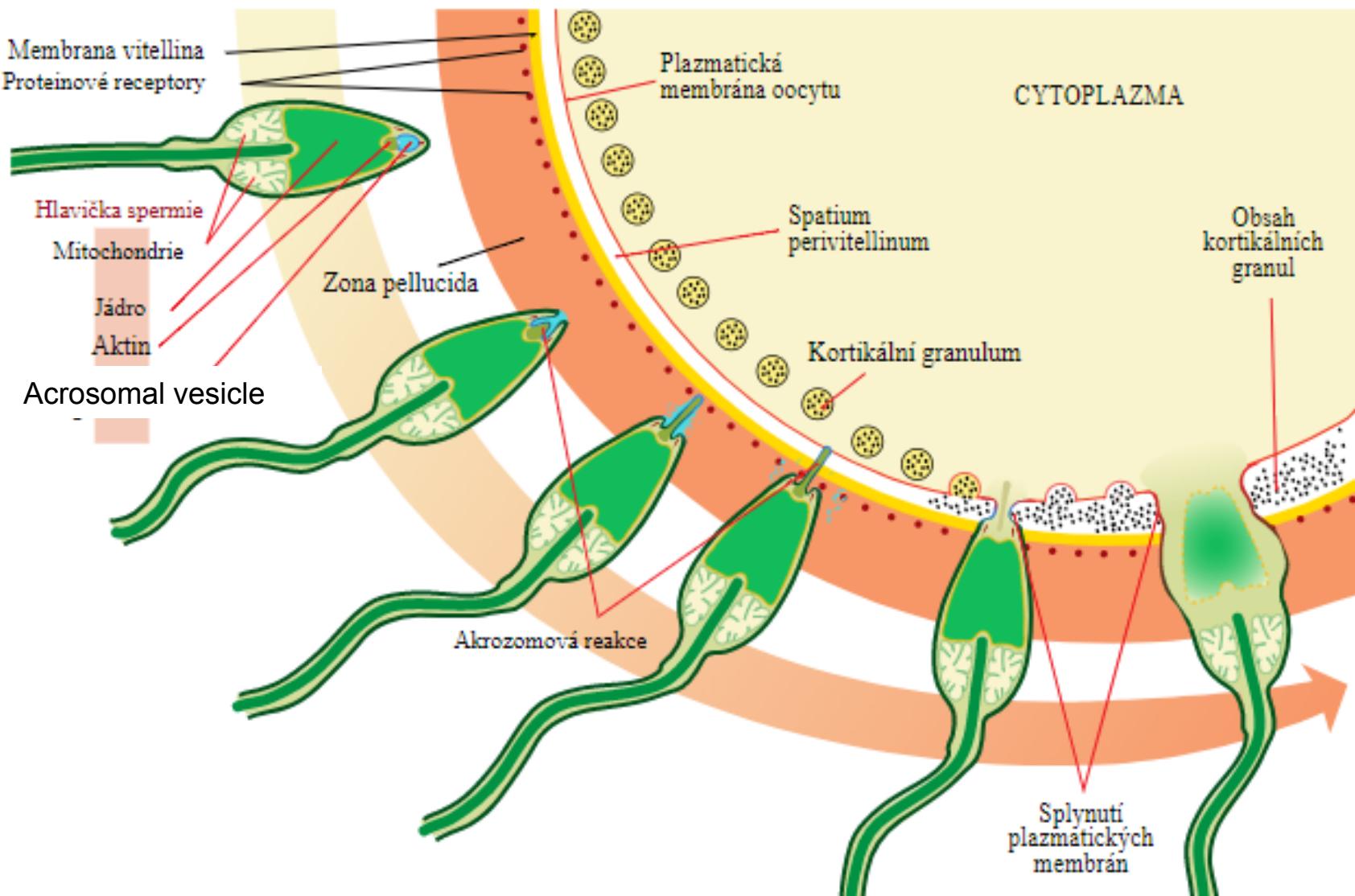


Sperm



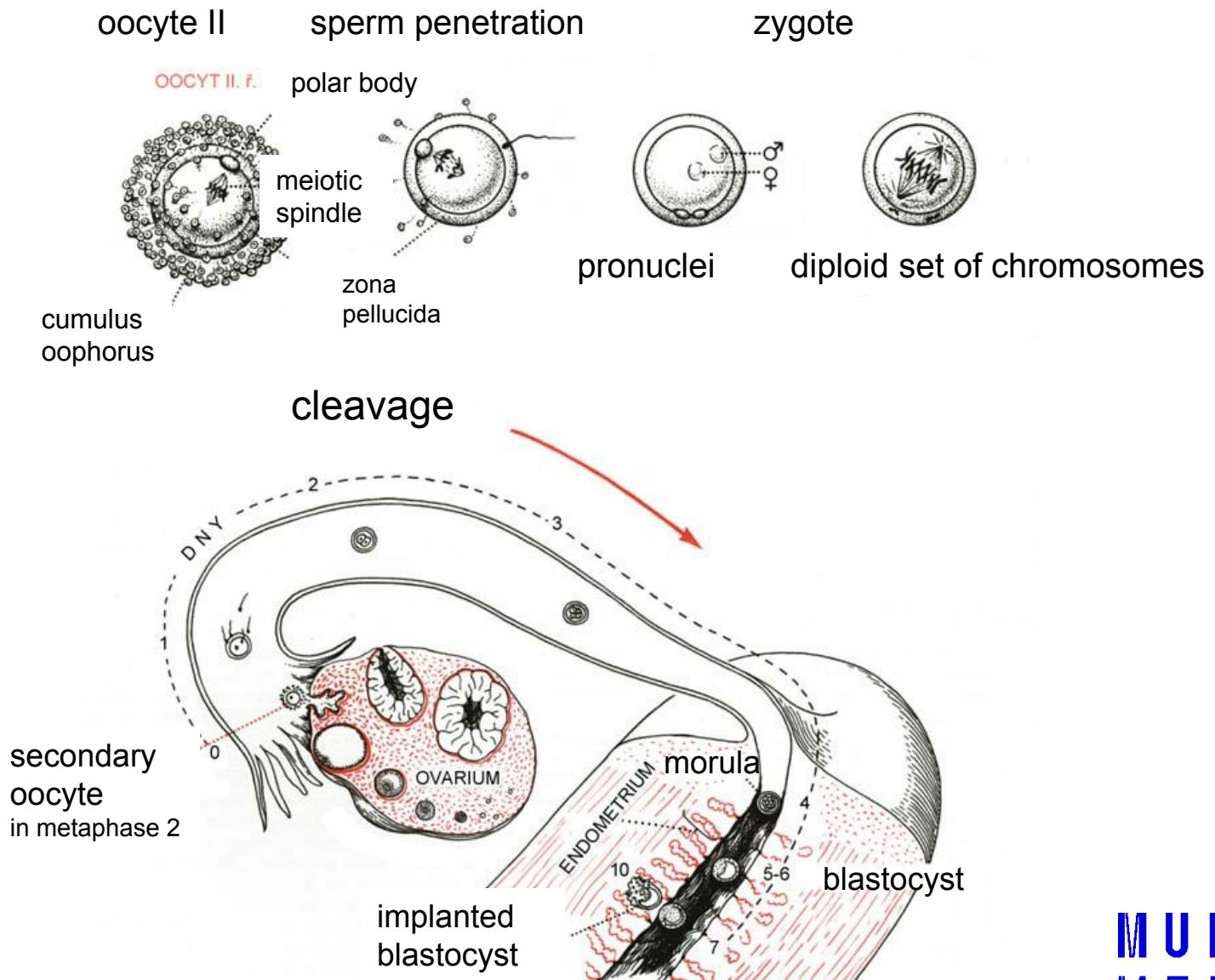
M E D

Acrosomal and cortical reaction



M E D

FERTILIZATION AND IMPLANTATION



FERTILIZATION

zygote

– 18 h after fertilization



24 h



45 h



morula - 72 h

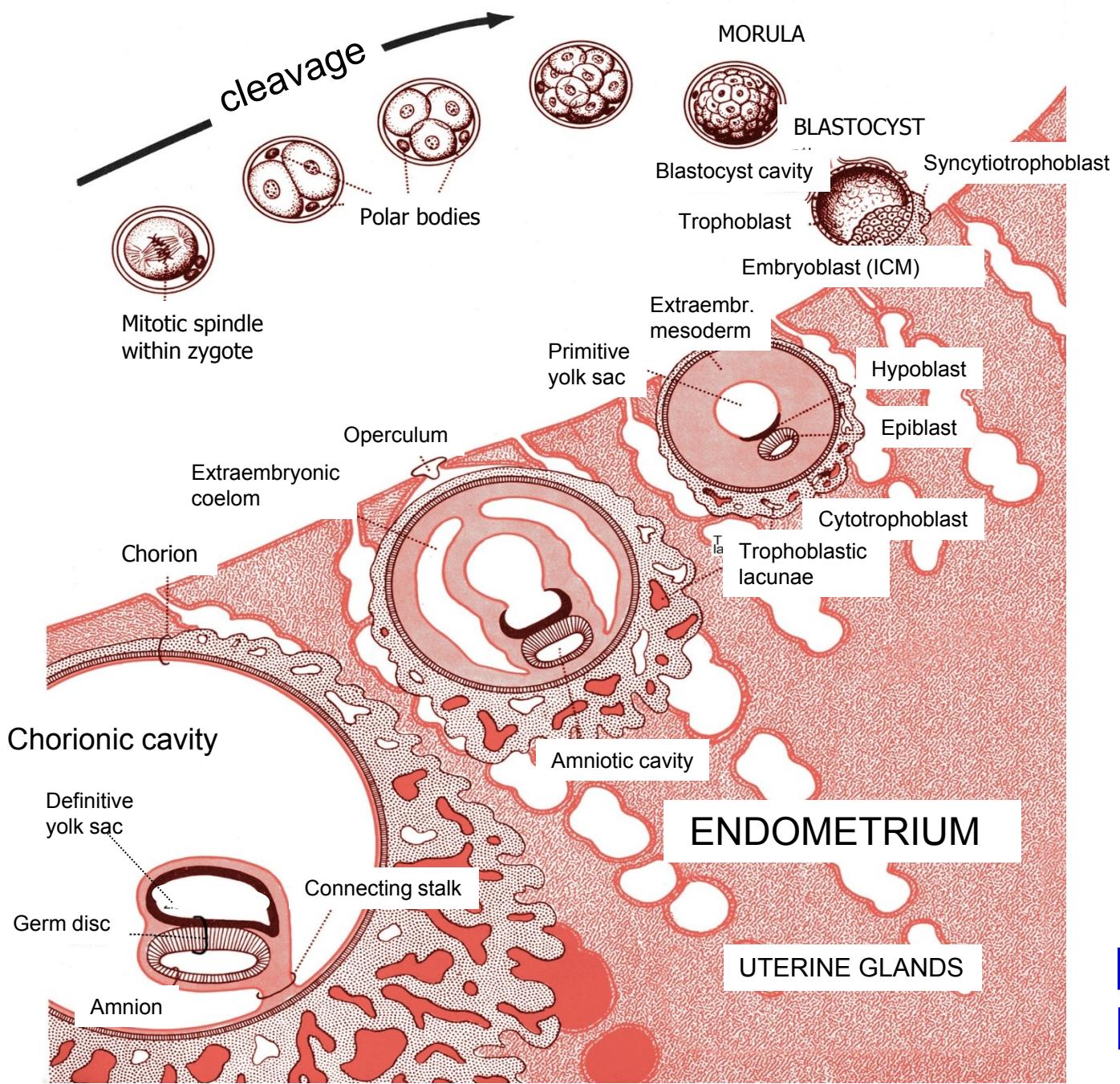


morula – 96 h

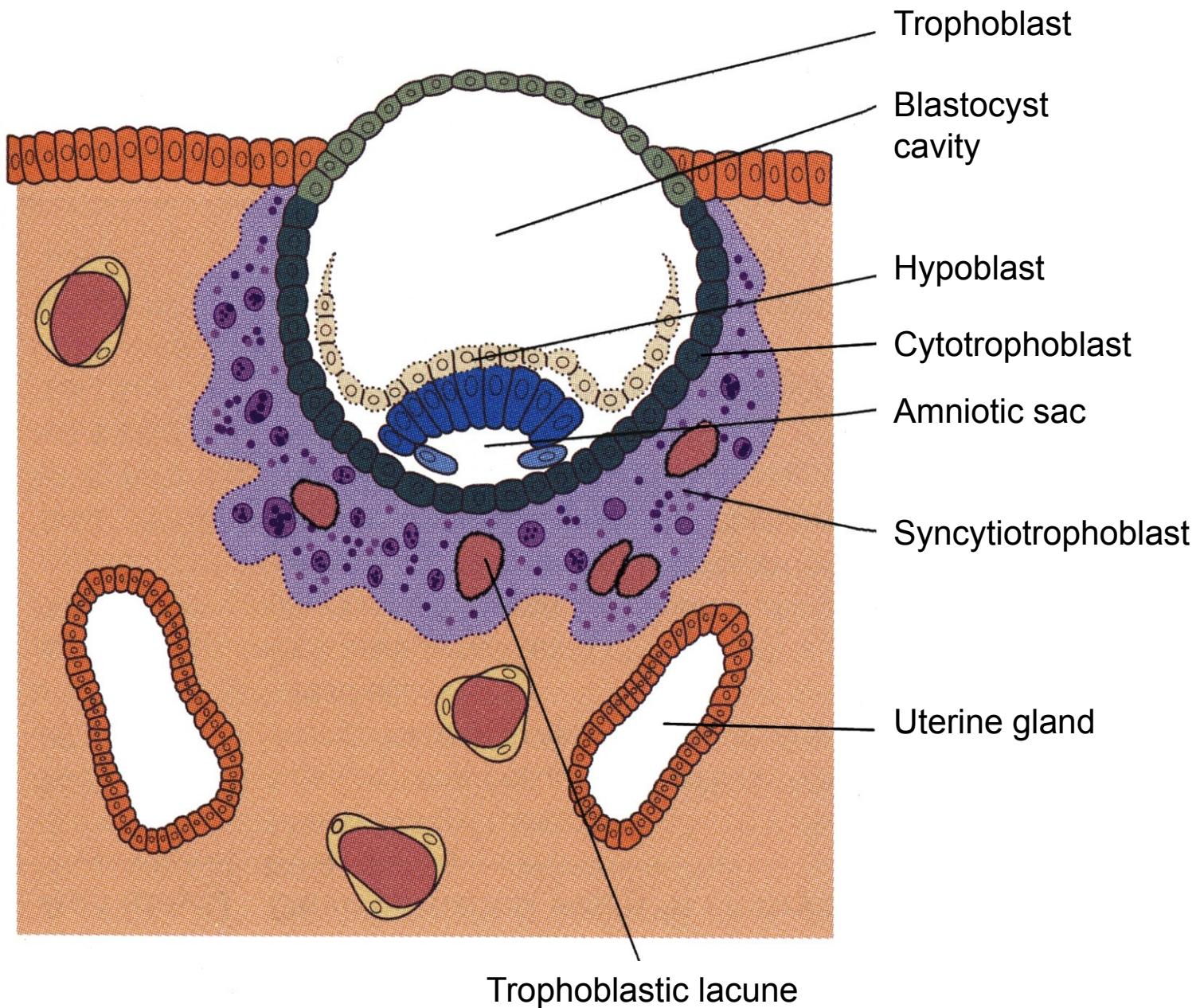


blastocyst

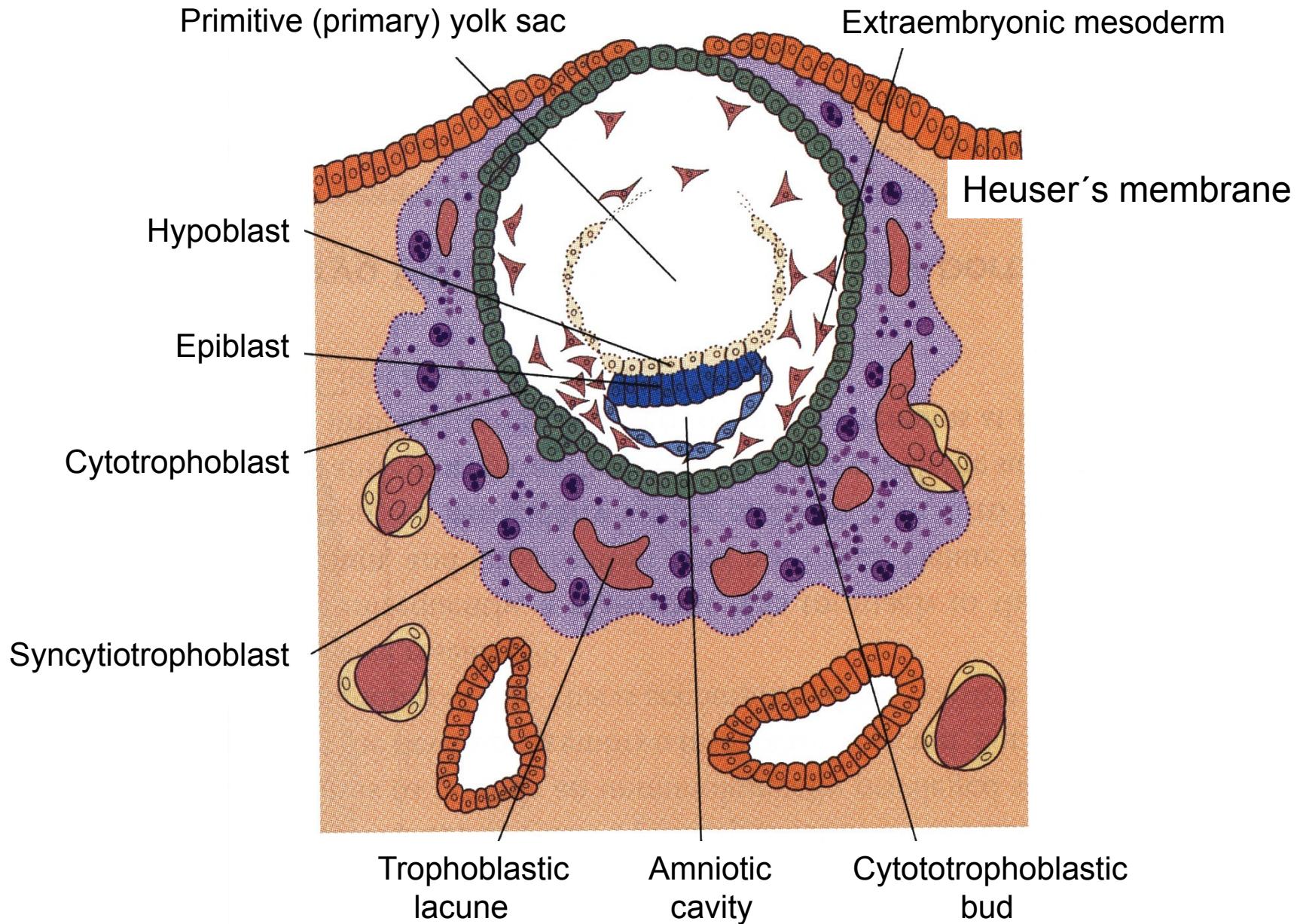
CLEAVAGE AND IMPLANTATION



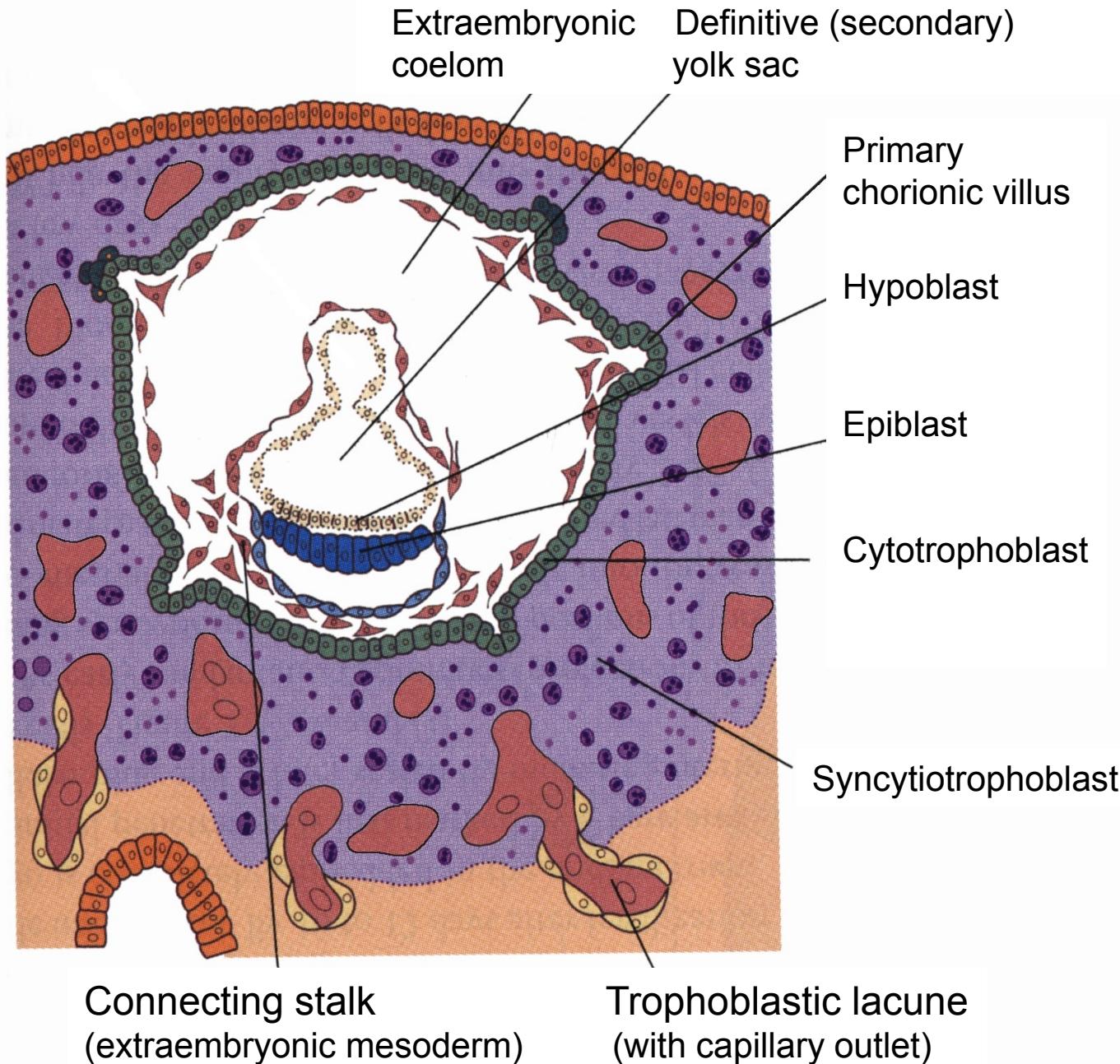
IMPLANTATION – DAY 8 1/2



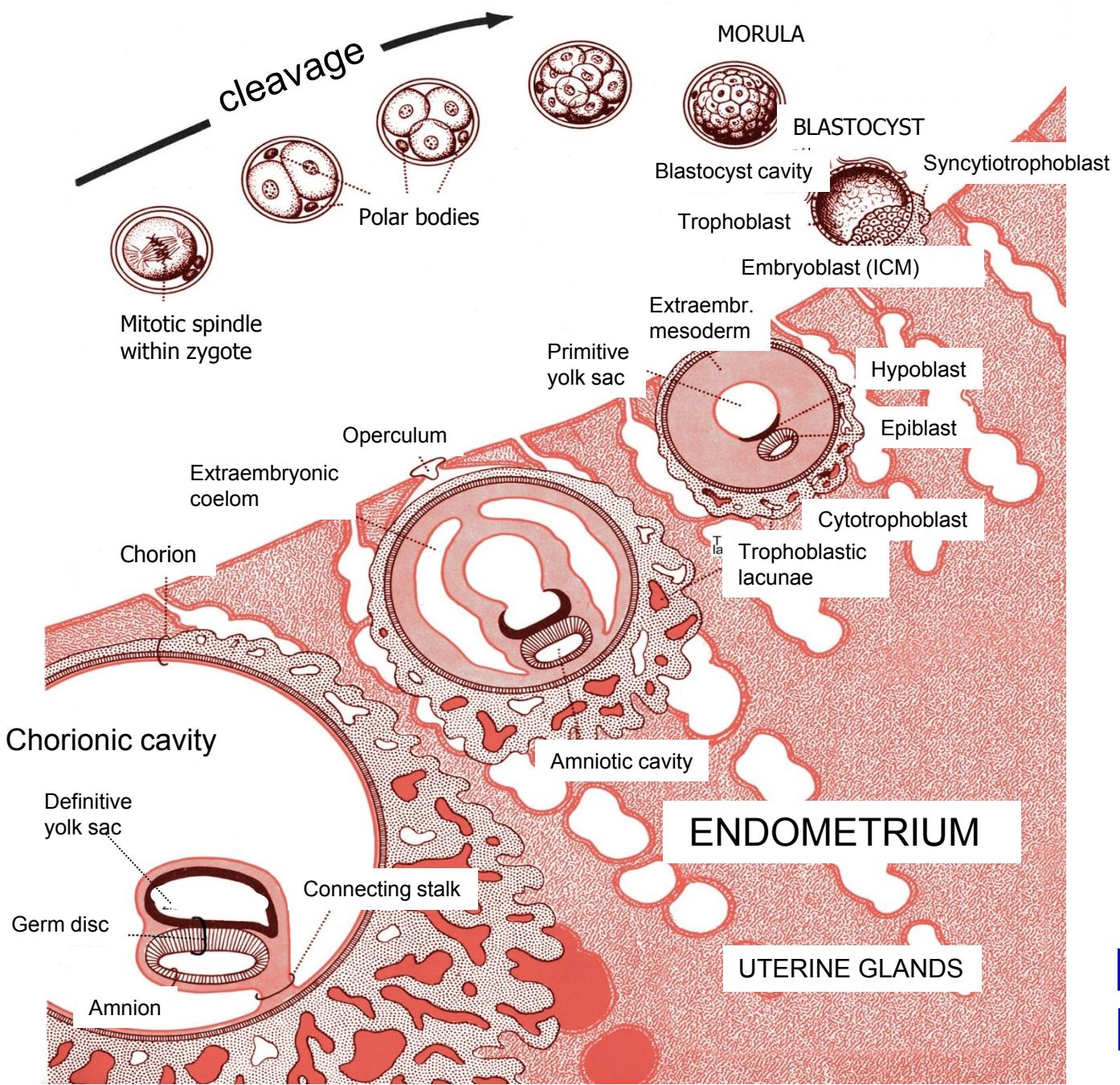
IMPLANTATION – DAY 10

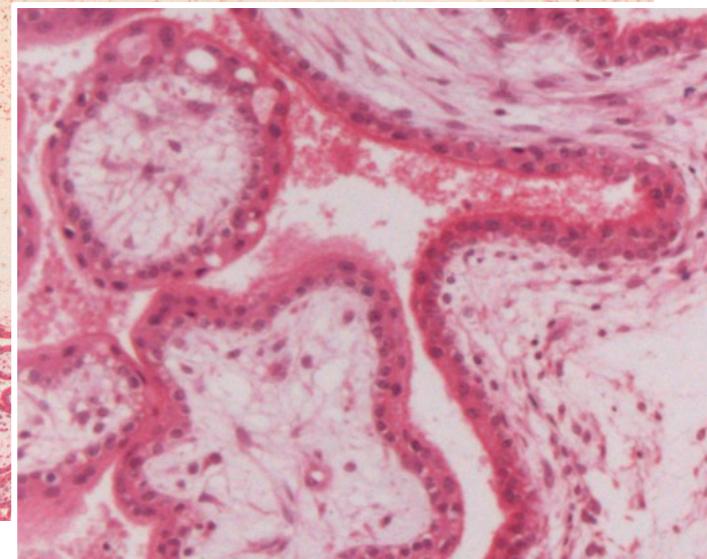


IMPLANTATION – DAY 13

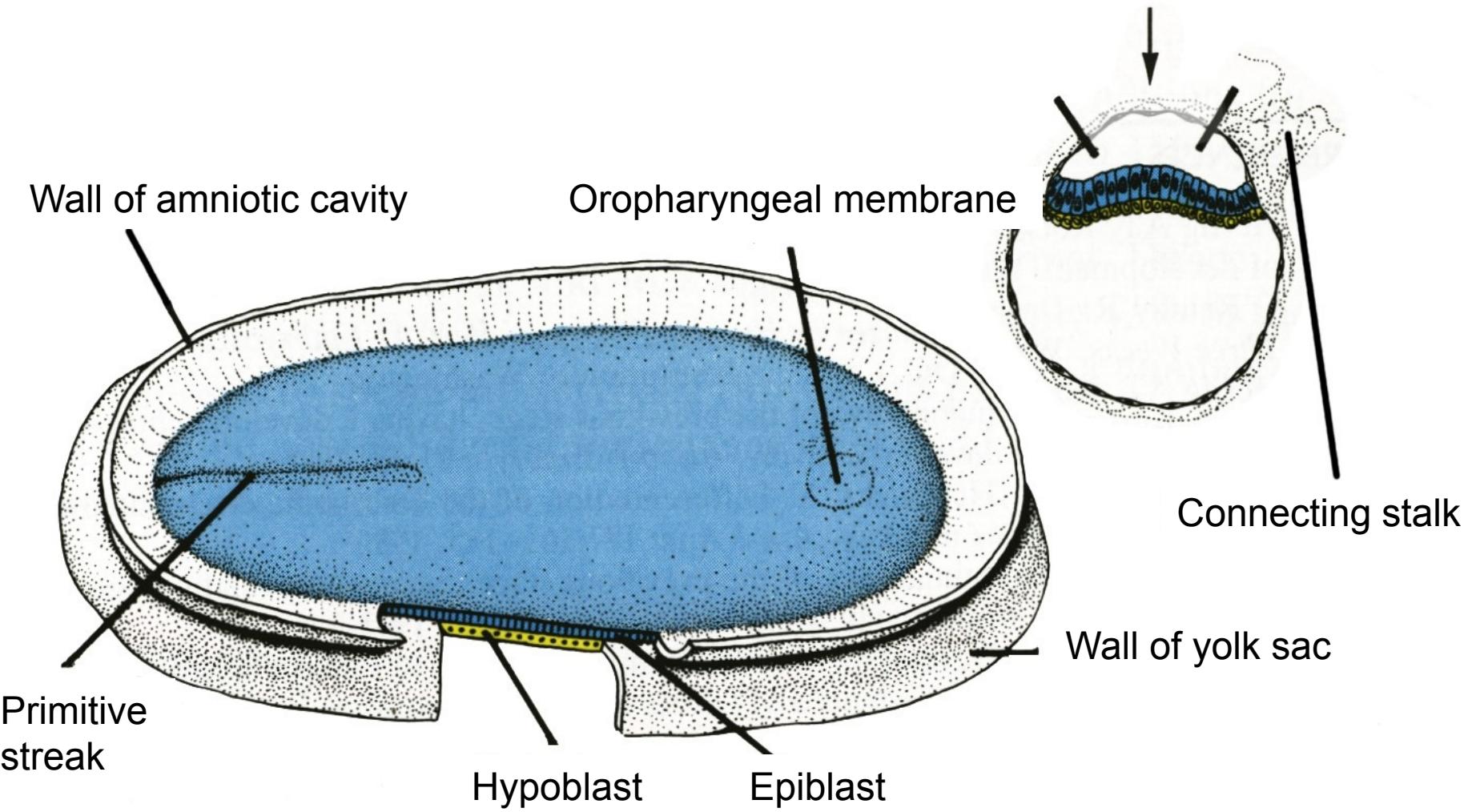


CLEAVAGE AND IMPLANTATION



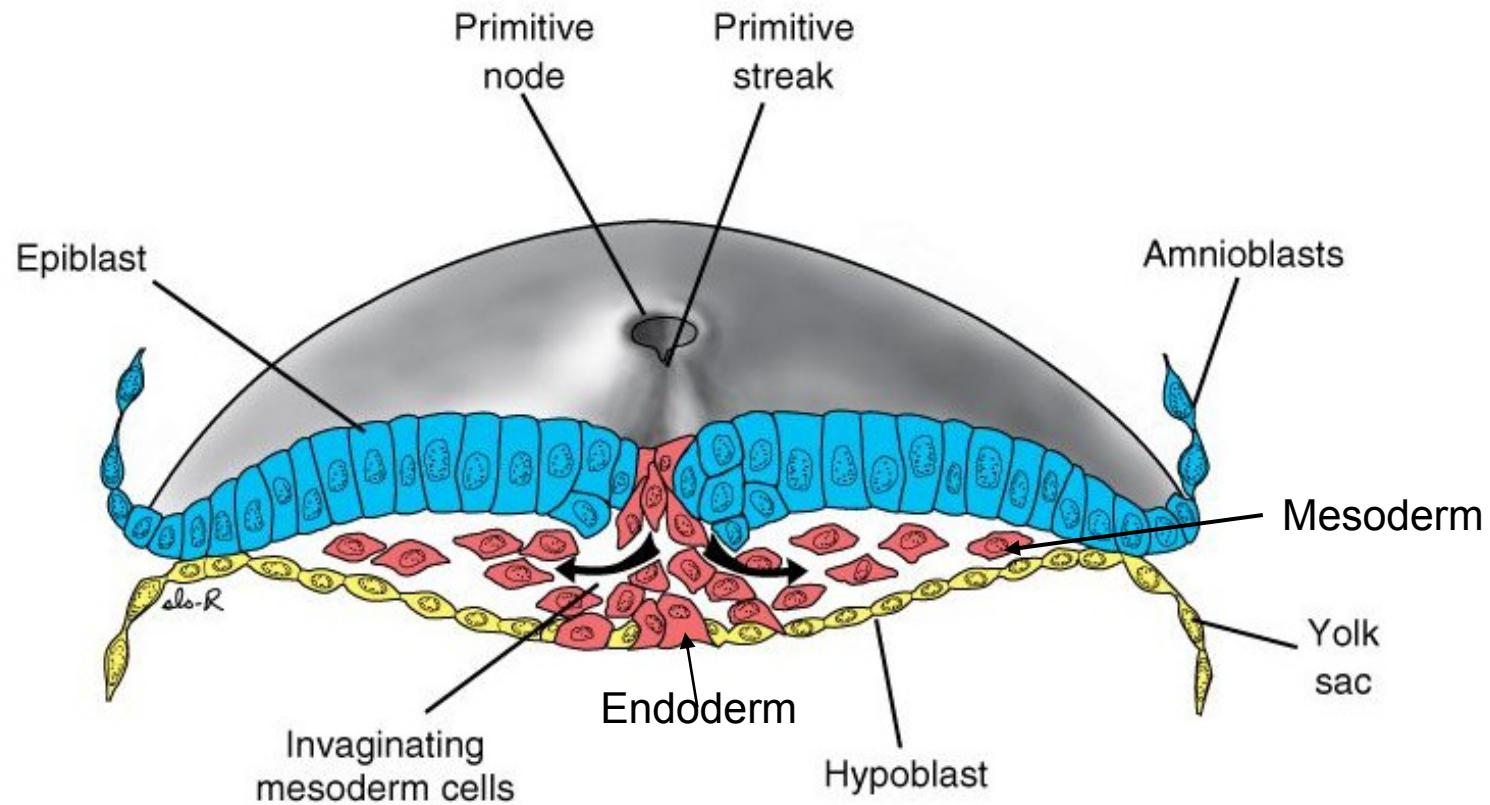


DORSAL SIDE OF GERM DISC – DAY 14



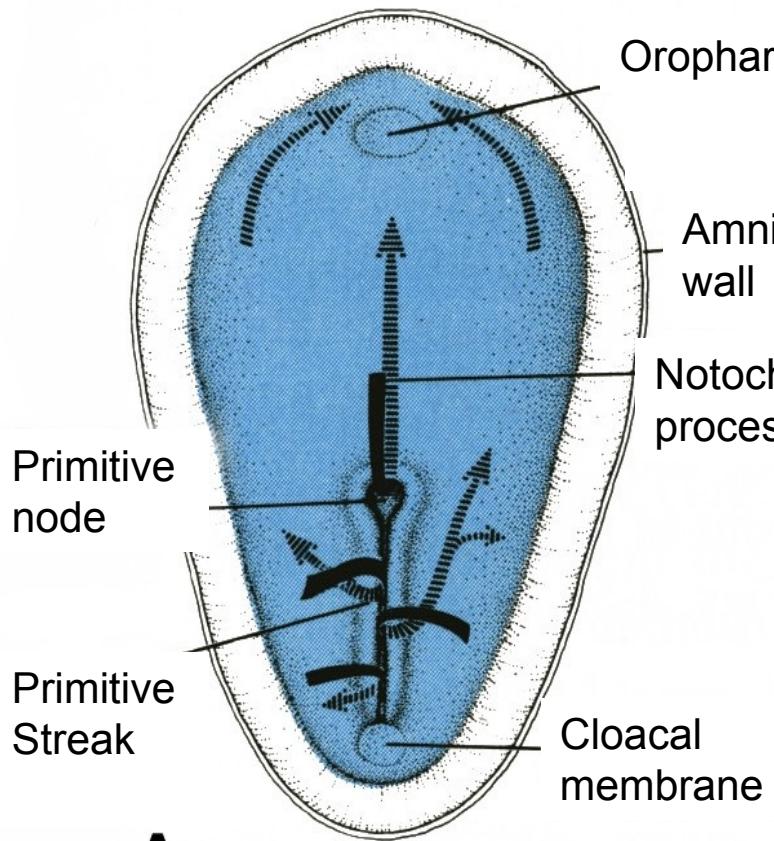
Germ disc

day 16

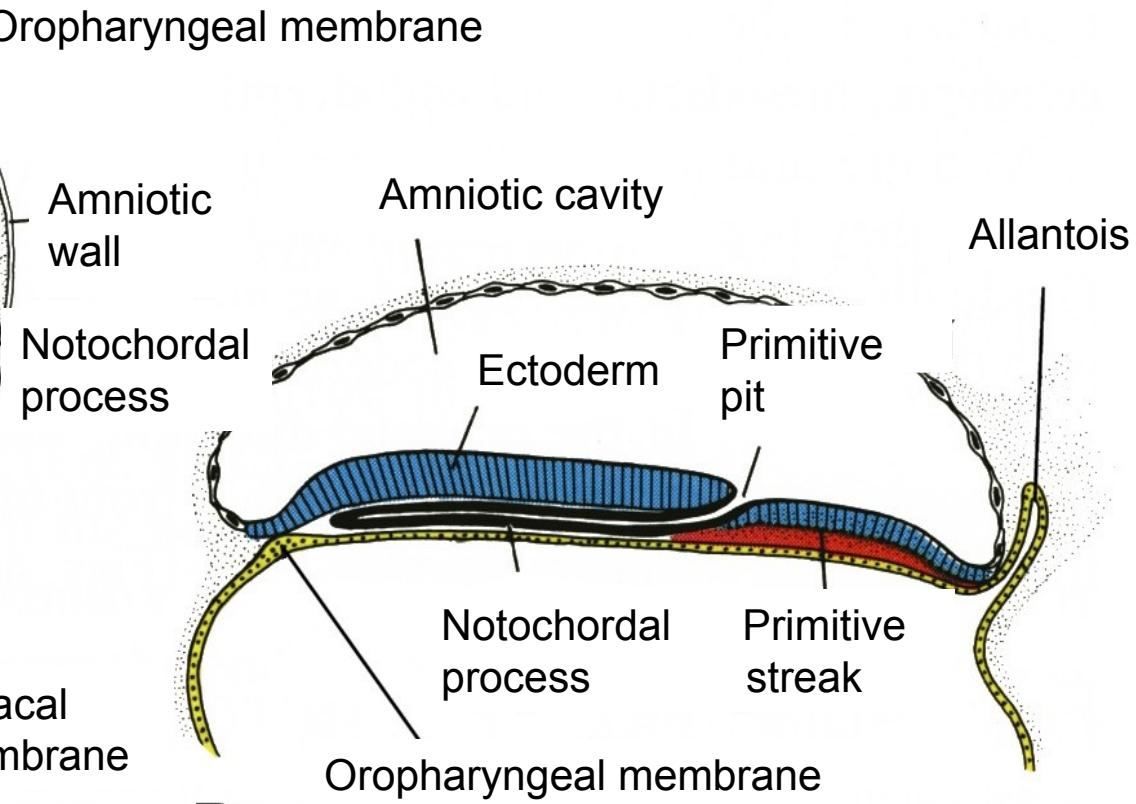


GERM DISC - DAY 16

A – view on dorsal side

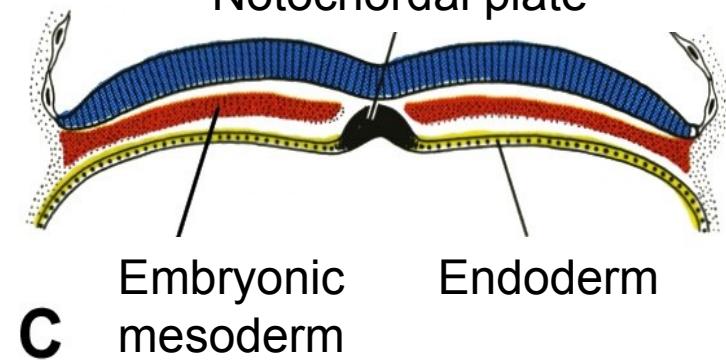
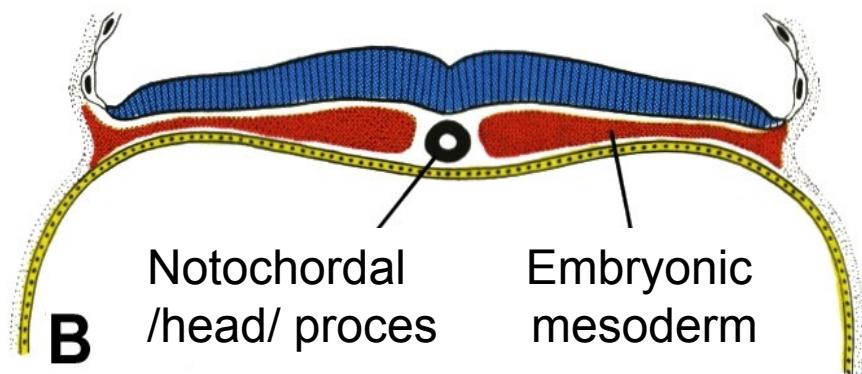
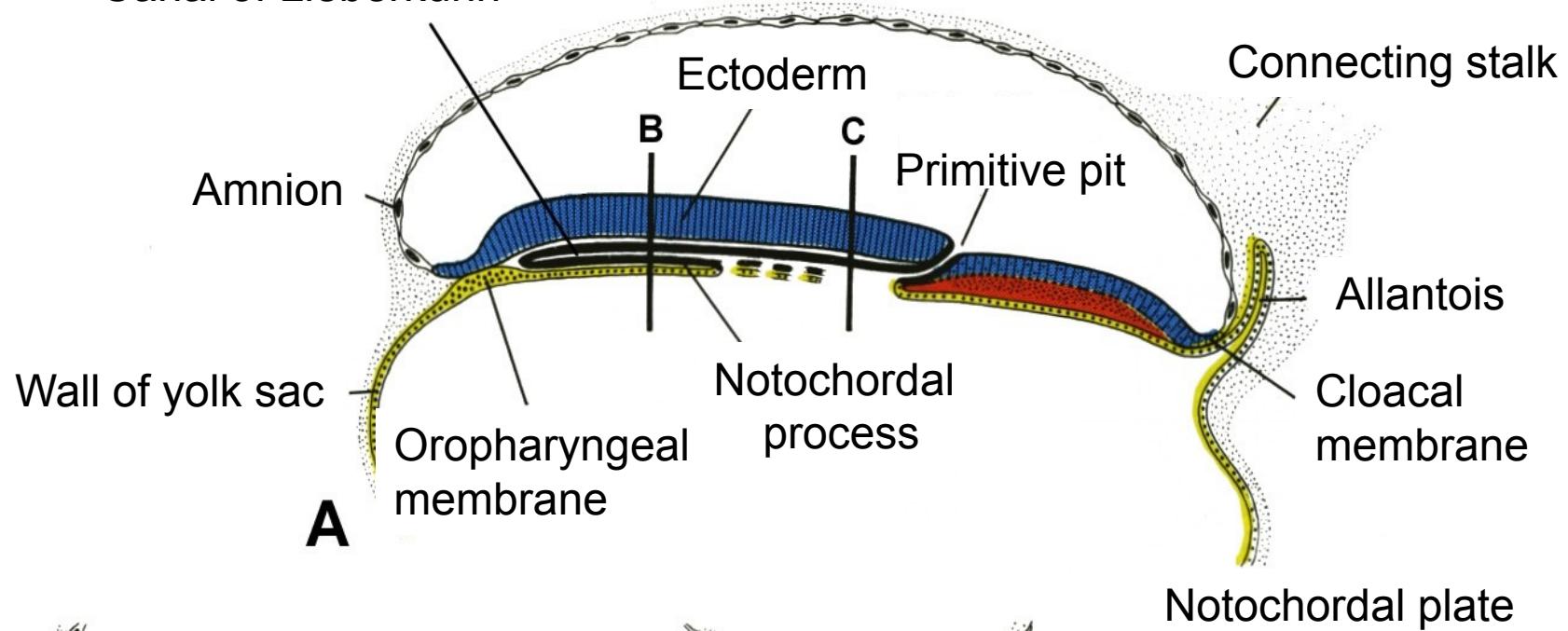


B – longitudinal section

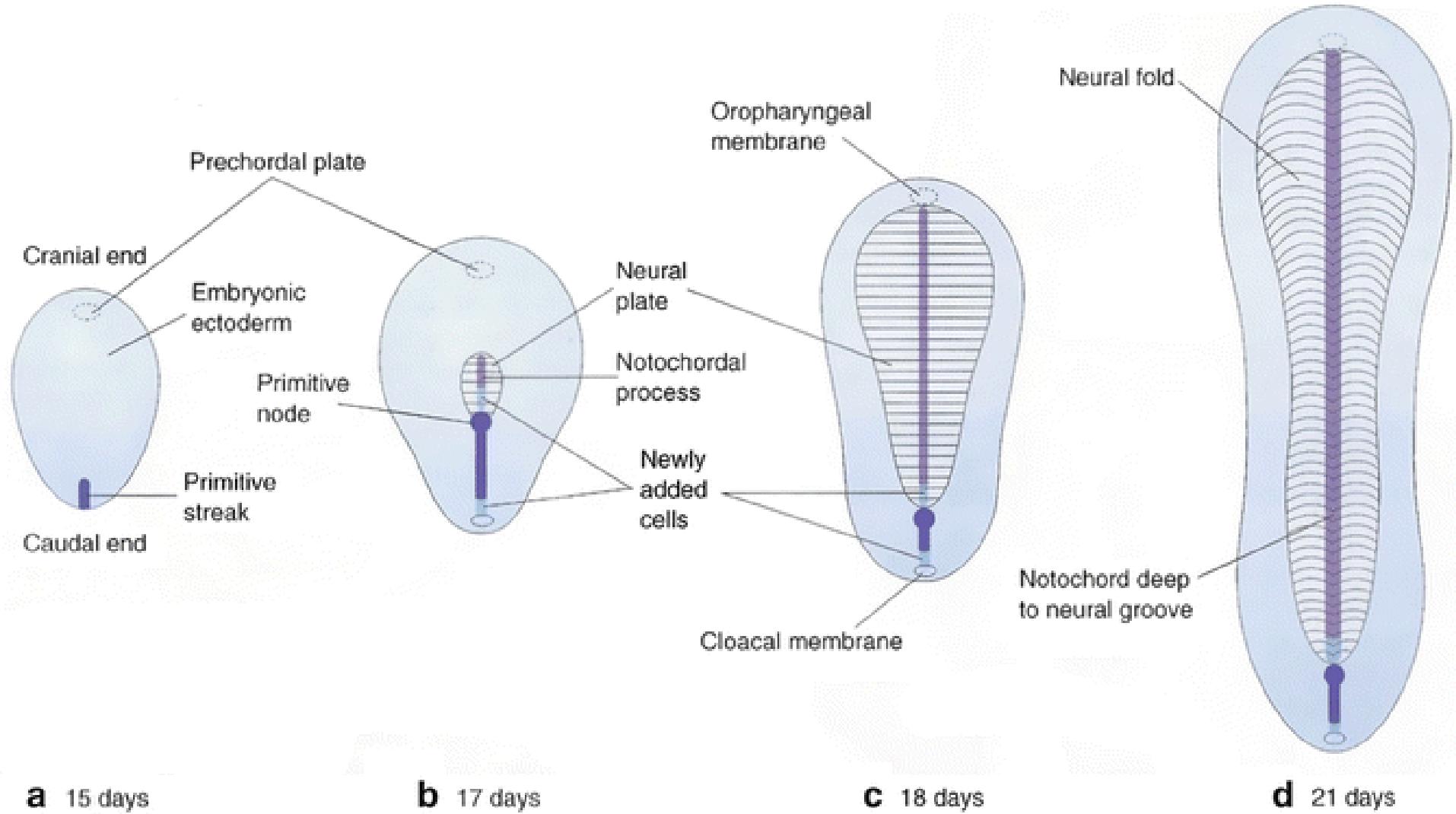


GERM DISC - DAY 17

Canal of Lieberkühn



A – longitudinal section, **B**, **C** – transversal sections



GENERAL EMBRYOLOGY I

- Set of embryological schemes I
- Atlas of Cytology and Embryology – pg. 71 – 79

- Discussion
- 3 embryological schemes according to teacher instructions