

Topic of the lesson

FETAL MEMBRANES

Theoretical Questions for Lesson

1. Extraembryonic organs. Their role and functions: yolk sac and allantois.
2. Extraembryonic organs. Their role and functions: trophoblast and placenta.
3. Types of placentas.
4. Extraembryonic organs: chorion, umbilical cord.
5. Human placenta, its development, structure and functions.
6. Changes of endometrium during pregnancy, fetal membranes.
7. System “mother-fetus”. Conception of critical periods of embryogenesis and ontogenesis.

Literature

1. Shapovalova Ye.Yu. General histology histology. – 2004. – P. 86-95.
2. Shapovalova Ye.Yu. Special histology. – 2005. – P. 223-229.
3. Sadler T. W. Langman’s Medical Embryology. – 2002. – P. 117-147.

Situation task

A researcher-embryologist made a histological section of the fallopian tube of the rabbit and saw in its cavity a structure that had a bubble shape. The vial consisted of a cavity and a multicellular wall. At the same time, the inner and outer cell mass was determined in the wall. Name this structure. Name both cell masses. Name the layers in the outer cell mass. Who is the internal cell mass undergoing on the 7-14th day after fertilization, and what is the result of this process?