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18/MHS01/148

MEDICINE AND SURGERY

2ND WEEK OF EBRAYONIC DEVELOPMENT

3 major events takes place during the 2nd week of embrayonic development

* Completion of implantation
* Formation of bilaminar germ disc
* Development of extra embryonic structure

Day 8

The blastocyst is partially embedded in the endometrium. The syncytriotrophoblast would continue to evade the endomentrium.

The embryoblast will differentiate in to the epiblast and hypoblast .

The epiblast and hypoblast forms the bilaminar germ disc. There is also the the development of the amnioblast. This are the cells which surround the amniotic cavity .

Day9.

The sycyytritrophoblast continues to invade the endomentriumand the cytotrophoblast continue to divide and migrate into the region of the sycntrophoblast.

The blastocyst is deeply embedded in the endometrium and the surface is covered bye fibrin coagulum.there is the presence of exocoelomic members. There is the formation of trophoblastic lacunae

Day11-12

The blastocyst is completely embedded in the endometrium. The syncytrophoblast continues to invade the endometrium .cyntrphoblast will continue to divide and move to the middle of the sycntrophoblast.

As syncytritrophoblast continues to invade the endometrium capillaries would be destroyed which are called sinusoid .then the pyrimodial utero placenta circulation is established .there is the formation of the extra embryonic messenger. There is a reaction know as decidual reaction.

Day 13

Cells of the cyteotrophoblast accqires syacytium giving a shape that look like a villi while extends into the sccntritrophoblast.the connecting stalk gives rise to the umblical cord.