

Sites:

- 1 Fertilization: occurs in the Ampulla of the uterine tube.
- 2 Capacitation of the sperm: in the uterus & uterine tube.
- 3 migration: from the lateral 1/3 of the uterine tube to the uterine cavity.
- 4 Cleavage (formation of the Morula & Blastocyst): in the uterine tube.
- 5 implantation:
• Normal site: in the upper part of the posterior wall of the body of the uterus.

• Abnormal sites:

outside the uterus

Abdominal pregnancy: in the Abdominal cavity.

Tubal pregnancy: in the uterine tube.

ovarian pregnancy: in the ovary

inside the uterus (placenta previa)

* AT the Lower segment of the uterus.

↳ placenta previa partialis: the placenta partially covers the cervix.

↳ placenta previa marginalis: the placenta reach the margin of the cervix But Not covering it

↳ placenta previa centralis: the placenta overlies internal os.

6 * Amniotic Cavity (8th day): roof: Amnioblasts.
floor: epiblast.

* primary yolk-sac (9th day): roof: hypoblast.
remaining part of the wall: Houser's membrane.

* extra-embryonic coelom (chorionic cavity) → divide extra-embryonic mesoderm into:

* EE Somatopleuric mesoderm: lines the cytotrophoblast.

* EE splanchnopleuric mesoderm: covers the yolk sac.

* connecting stalk: connect the roof of the Amniotic Cavity & overlying cytotrophoblast.

7 Chorion forms finger like processes (Chorionic villi)

* the lacunae between chorionic villi are filled with Maternal Blood derived from the uterine vessels

* Chorion Frondosum → adjacent to decidua Basalis → forms the fetal part of the placenta.

* Chorion leave → adjacent to decidua Capsularis → will Atrophy.

8 placenta → maternal part → decidua Basalis.
→ Fetal part → Chorion Frondosum.

9 invagination (cells of epiblast slip beneath the primitive streak) to ??



1. invade & replace hypoblast to form **Endoderm**.
2. the remaining epiblast part became the **Ectoderm**.
3. Some invaginated epiblast cells migrate between ecto & endo to form **intra-embryonic mesoderm**.

10 Sites where embryonic disc remains Bilaminar (ecto & endo but No meso):

1. **Prochordal Plate**.
2. **Cloacal membrane**.

11 part of the gut found at the head folds → **Foregut**.
part of the gut found at the tail folds → **Hindgut**.
part of the gut found at the lateral folds → **Midgut**.

12 the Cranial end of the folded embryonic disc shows 2 swelling & depression between them.

- ↳ Forebrain swelling
- ↳ stomatodeum
- ↳ pericardial swelling

13 **Cephalo-Caudal Folding**: leads to formation of Head & tail folds
Lateral Folding: leads to formation of lateral folds.