SI Session 4.3

List out prenatal development:

The \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ stays with the embryo until it reaches the uterus. The blastocyst hatches from here.

Define the following terms:

Embryo:

Fetus:

Conceptus:

Ootid:

Zygote:

Blastomere:

Morula:

Blastocyst:

After fertilization, all cell divisions are?

What happens if the ICM splits?

What 3 forces govern blastocyst hatching?

After hatching, mammalian embryos are subdivided into 2 groups. What are they?

These steps must be achieved before the embryo can attach to the uterus. Place them in order below:

Formation of extraembryonic membranes

Hatching of blastocyst from ZP

Development within confines of ZP

Maternal recognition of pregnancy

What are the 3 prenatal growth phases?

The mesoderm splits into two sectors. What are they?

What are the 4 fetal membranes?

1. Yolk sac:
2. Amnion:
3. Allantois:
4. Chorion (trophectoderm):

What must be prevented for embryogenesis to continue?

Match the following embryonic signal to the correct species:

Estrogen Caprine IFNT Bovine IFNT Ovine IFNT Unknown Peptide

1. Goat
2. Cow
3. Mare
4. Ewe
5. Sow

How does Interferon Tau (IFNT) prevent luteolysis?

How do swine achieve maternal recognition?

How is maternal recognition achieved for horses?

Extraembryonic membranes attach to the endometrium to provide a link between dam and fetus known as the \_\_\_\_\_\_\_\_\_\_\_\_\_