Nidation: trophoblastic recognition, adherence to endometrial epithelium (with stimulation of decidual reaction), and beginning of trophoblastic invasion.
Maternal Hormones in Human Pregnancy

- ~ 50,000 - 100,000 IU/L (4-8 mg/L) hCG
- ~ 10 mg/L hPL
- ~ 700 g Placental Weight
- ~ 200 ug/L P
- ~ 150 ug/L Total E (~ 40 ug/L E1, ~ 10 ug/L E2, ~ 100 ug/L E3)

~ % of Highest Mean Value

Duration of pregnancy (weeks)

Drawings of sections through implanted blastocysts. A. Ten days; B. 12 days. (Based on Hertig and Rock, 1941.) This stage of development is characterized by the communication of the lacunae that are filled with maternal blood. Note in B that large cavities have appeared in the extraembryonic mesoderm, forming the beginning of the extraembryonic coelom.

Region in which precursors of hematopoietic and gametopoietic cells arise.
Developmental Progression & Susceptibility to Teratogens & Fetal Loss
Normal  Cyclopaia  Ethmocephaly
Cebocephaly  Medial facial cleft  Lateral facial cleft
A Normal finding

B Amelia

C Midhumeral and midfemoral terminal transverse meromelia

D Radioulnar and tibiofibular transverse meromelia

E Midradioulnar and midtibiofibular transverse meromelia

F Carpal and tarsal transverse meromelia

G Phalangeal transverse meromelia

H Radial and tibial terminal longitudinal meromelia

I Midradial and midtibial terminal longitudinal meromelia

J Humeroradioulnar and femorotibiofibular intercalary transverse meromelia

K Radioulnar and tibiofibular intercalary transverse meromelia

L Ulnar and proximal fibular intercalary longitudinal meromelia
BPD 75.60mm
GA 30w2d±22d
Pctl. 39.52
EDD 13-04-2011
AC 260.03mm
GA 30w1d±21d
Pctl. 40.94
EDD 14-04-2011