Model #1 Human Ovum

1. Corona radiata
2. Zona pellucida
3. Egg plasma with yolk
4. Female pronucleus
5. Sperm

Model #2 Entering of the Sperm

1. Zona pellucida
2. Fertilization membrane (between 1 & 2: The perivitelline space)
3. Protoplasm
4. Female pronucleus

Model #3 Formation of the Second Polar Body

1. Chromosomes
2. Spindle
3. Sperm nucleus
4. First polar body

Model #4 Female Pronucleus moves towards the center

1. Female pronucleus
2. Sperm nucleus
3. First and Second polar bodies
Model #5 Nuclear Copulation

1. Female pronucleus with female chromosomes
2. Sperm nucleus with male chromosomes
3. Centrosome
4. First and Second polar bodies

Model #6 Unicellular Stage

1. First and Second polar bodies

Model #7 Two-cell Stage

1. First and Second polar bodies

Model #8 Four-cell Stage

1. First and Second polar bodies

Model #9 Sixteen-cell Stage

1. Centriole (spindle centrosome)
2. Resting nucleus
3. First and Second polar bodies

Model #10 Beginning of Implantation into Mucous Coat of Uterus (7 days after ovulation)

1. Primary wall of the blastocyst
2. Blastocyst cavity
3. Primary ectoderm
4. Ectoderm of the germ plate
5. Amniotic cavity
6. Trophoblast
7. Propria of the mucous coat of uterus
8. Uterine epithelium

11. Sinus like uterine vein
12. Coil artery
13. Decidua capsularis
14. Terminal coagulum

Model #12 Longitudinal Section through a Human Embryo from the End of the Third Week (4 Somites)

1. Nervous plate
2. Chorda
3. Endoderm
4. Mesoderm
5. Amniotic cavity
6. Yolk (Vitelline) sac
7. Rudiment of heart
8. Blood islands
9. Allantois (Clinging peduncle)
10. Chorionic villus

Model #13 Human Embryo from the End of the First Month

1. Yolk (Vitelline) sac
2. Allantois (Clinging peduncle)
3. Amniotic cavity
4. Amnion
5. Extraembryonic coelom
6. Decidua capsularis
7. Decidua basalis
8. Villus
9. Maternal blood vessels
10. Embryonic blood vessels

Model #11 Human Embryo from the 15th Day

1. Ectoderm of the germ plate
2. Amniotic cavity
3. Endoderm
4. Yolk (Vitelline) sac
5. Allantois (Clinging peduncle)
6. Mesenchyme
7. Extraembryonic coelom
8. Magma reticulare
9. Trophoblast
10. Female blood sinus