Model #1 Sperm (natural size 0.05-0.06 nm)

Model #2 Ovary during Ovulation (enlarged 2.5 times)

Model #3 Secondary Oocyte before Fertilization (natural size 0.15 nm)

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

Model #4 Penetration by Sperm into Ovum

1. Zona pellucida
2. Fertilization membrane (Between 1 and 2 the perivitelline space).
3. Protoplasm
4. Female pronucleus
Model #5 Female Pronucleus and formation of Sperm nucleus – Formation of the Second Polar Body

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

Model #6 Female Pronucleus moves to the Center (Centrioles migrate, Segmentation Spindle forms)

1. Female pronucleus
2. Sperm nucleus
3. First and second polar body

Model #7 Cleavage – 2 (Blastomere) Cell Stage

Model #8 Embryonal (Germinal) Disk (Amniotic sac opened in order to view)

Model #9 Embryo in First Month – 25 days after Ovulation (natural size 2.5 mm) (Amniotic sac opened in order to view)

Model #10 Left side of Embryo end of First Month (natural size 7.8 mm) (Amniotic sac opened in order to view)

Model #11 Section of Uterus with Embryo in 4th week (natural size)

Model #12 Pregnancy in 2nd month (Length from Skull to Coccyx 25 mm)

Model #13 Placenta differentiates in 10th week (Length from Skull to Coccyx 50 mm)

Model #14 Pregnancy in the 4th month (Length from Skull to Coccyx 100 mm)

Model #15 Placenta (Afterbirth) with Umbilical cord from Fetal side (natural size)

Model #16 Placenta – enlarged section

1. Umbilical cord
2. Umbilical arteries
3. Umbilical vein
4. Amniotic epithelium
5. Chorionic plate
6. Langhans' fibrinoid
7. Villi tufts with fetal vessels
8. Rohr's fibrinoid
9. Septum
10. Intervillous space (filled with maternal blood, see arrows for direction of circulation)
11. Nitabuch's fibrinoid
12. Curling arteries of the maternal placenta
13. Separating gap between maternal placenta and fetal placenta at birth
14. Maternal blood vessels