

Fetal Development



Human Embryo - Carnegie Stages

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<https://embryology.med.unsw.edu.au>



Stage 1 Zygote
(1 day, not to scale)

1
(1 day)

2
(3 days)

3
(4 days)

7
(15-17 days)

8
(17-19 days)

9
(19-21 days)

10
(21-23 days)

11
(23-26 days)

12
(26-30 days)

13
(28-32 days)

14
(31-35 days)

15
(35-38 days)

16
(37-42 days)

17
(42-44 days)

18
(44-48 days)

19
(48-51 days)

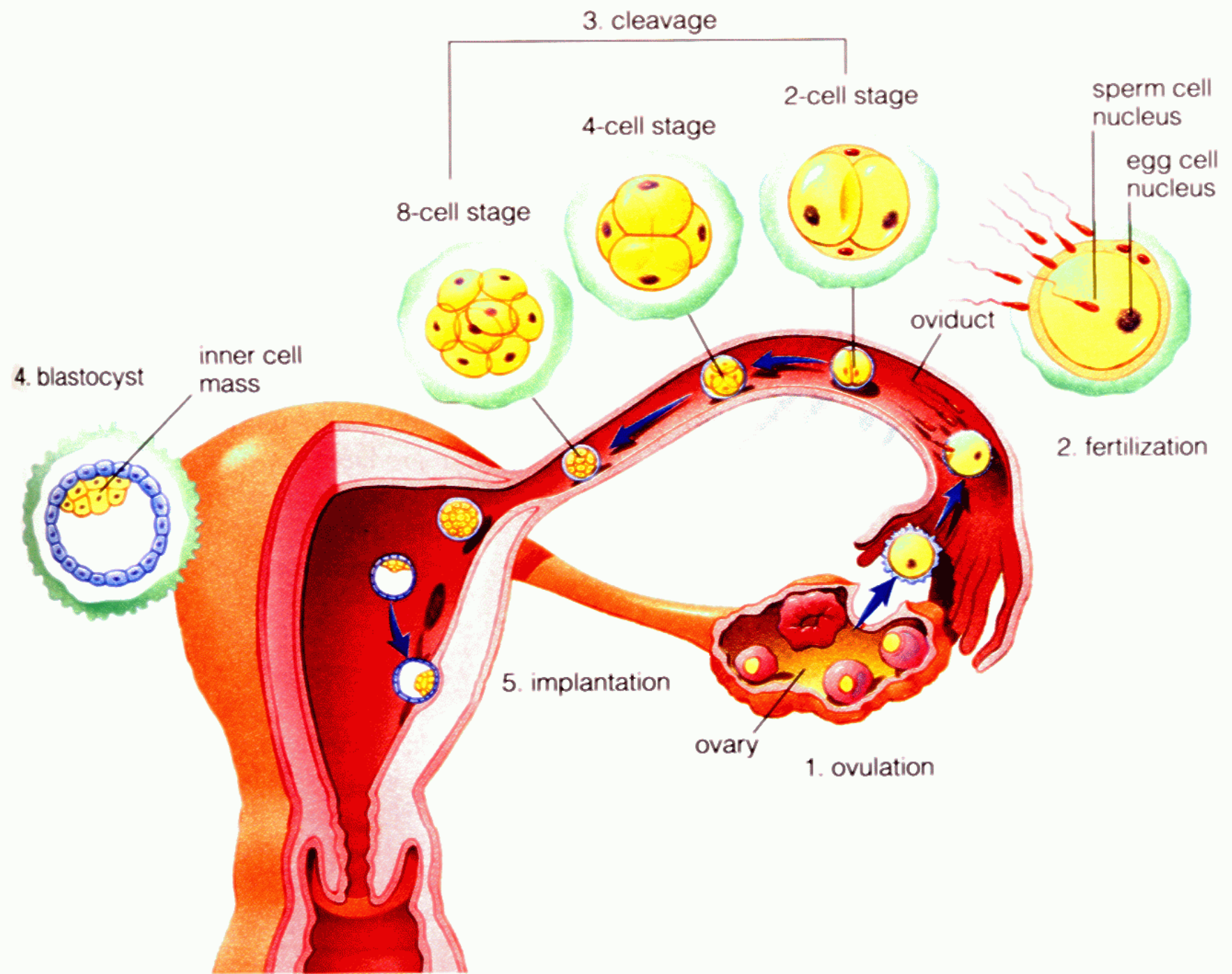
20
(51-53 days)

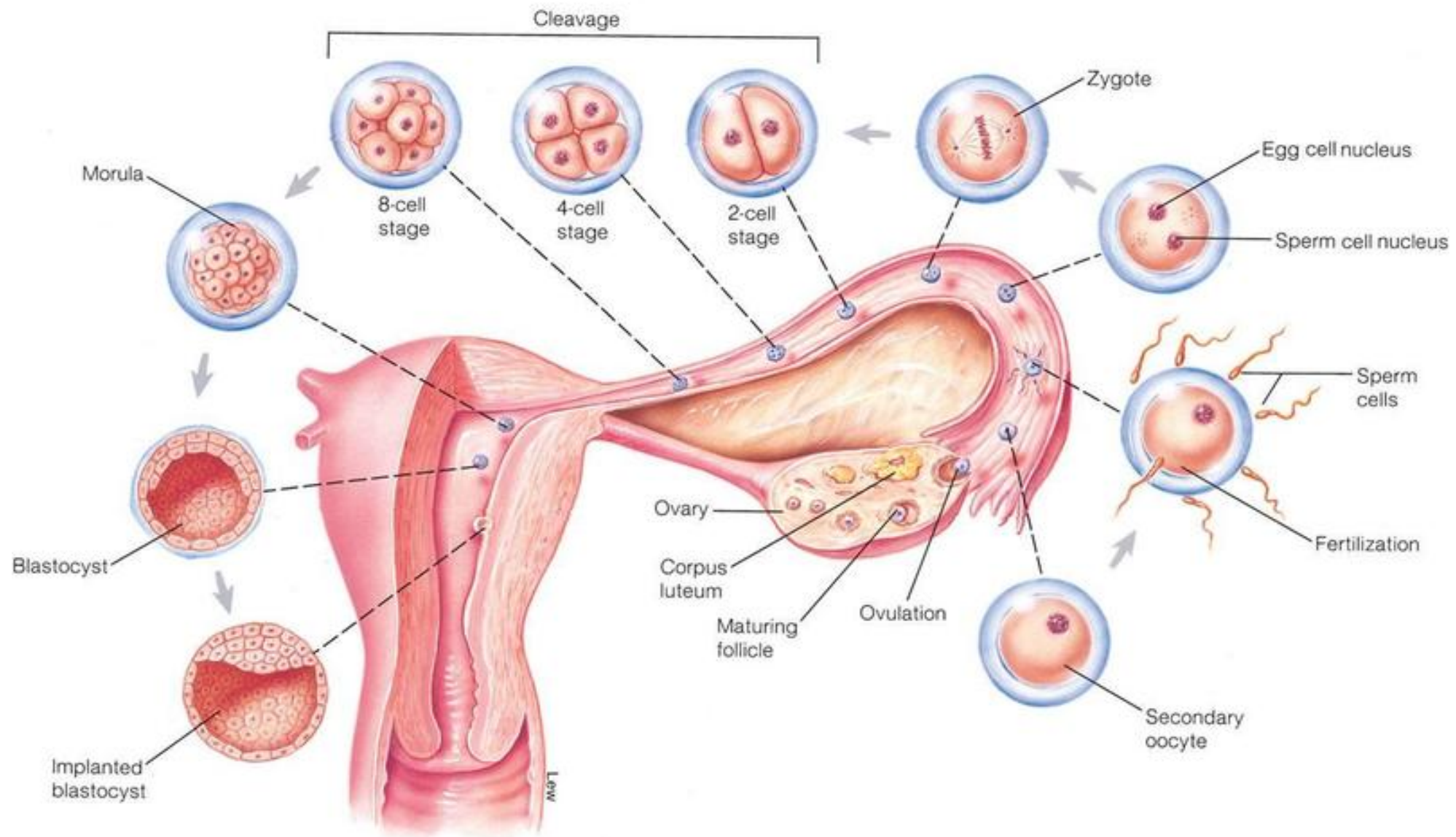
21
(53-54 days)

22
(54-58 days)

23

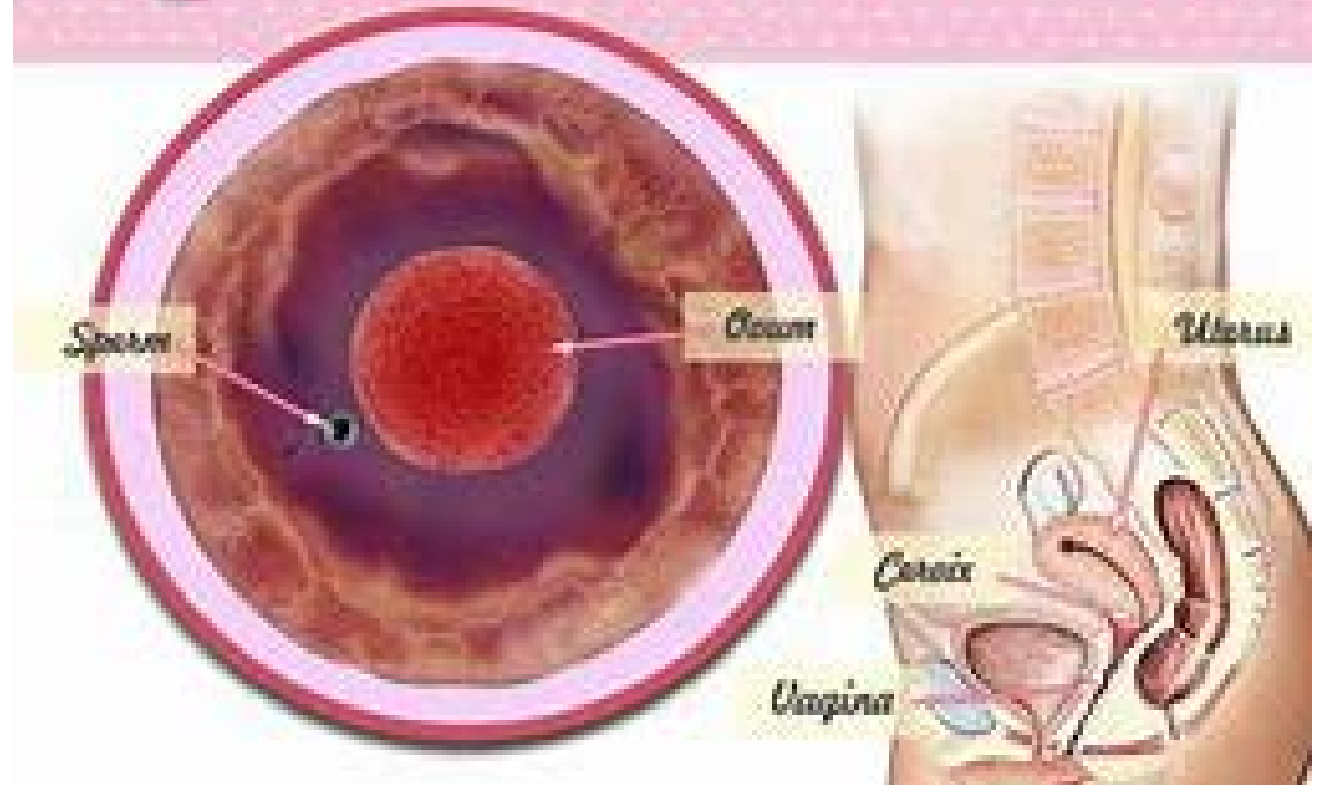
5 mm





Week 1

1 week pregnant



Week 2

Week 2



Week 3-4



Week 6



Week 8



Week 10



Week 12



Week 16



Week 20



Sucking thumb

20 weeks 5months pregnant



24 weeks

Inside mom



24 Weeks

24 WEEKS FETAL GROWTH

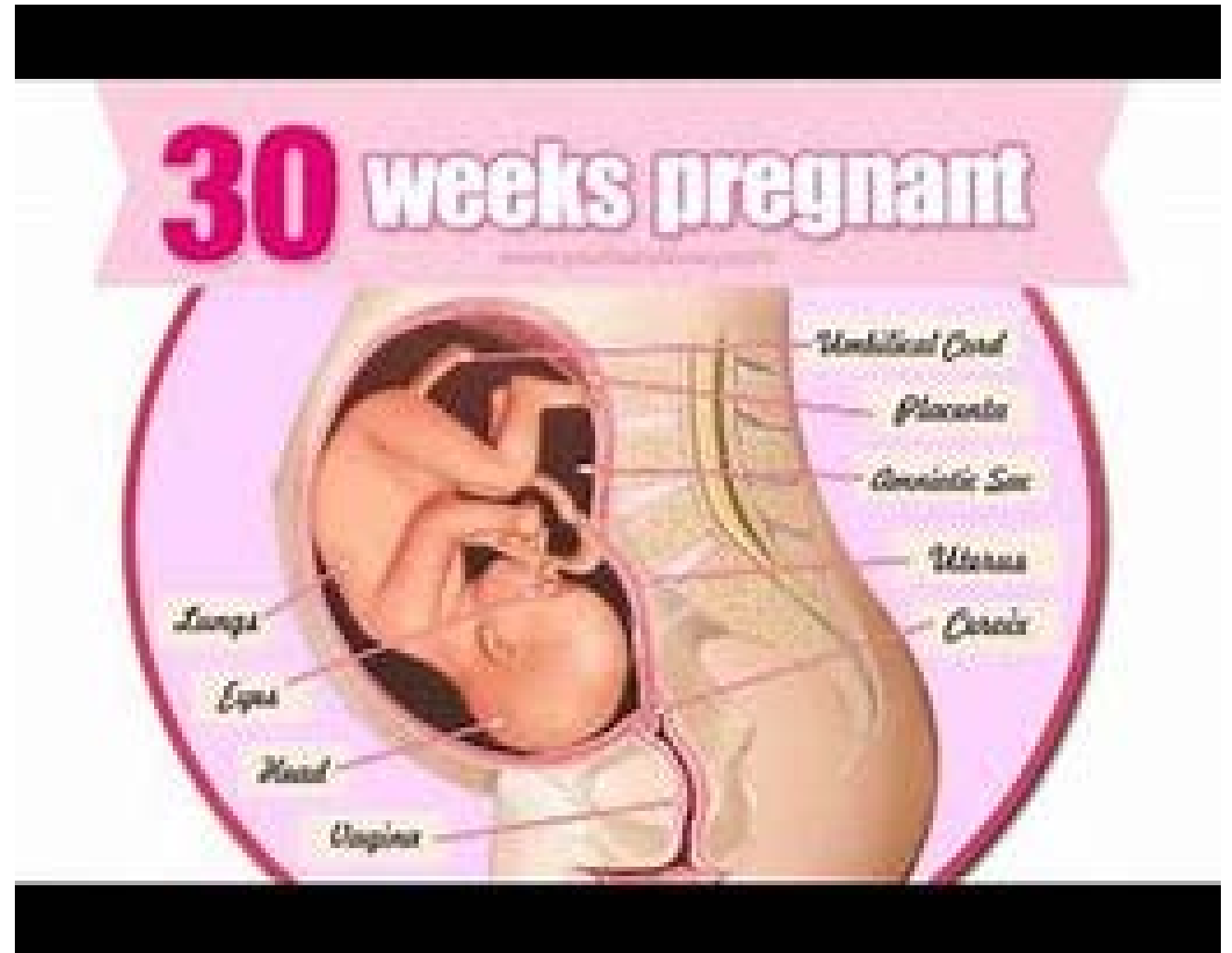


- 24 weeks - Seen here at six months, the unborn child is covered with a fine, downy hair called lanugo. Its tender skin is protected by a waxy substance called vernix. Some of this substance may still be on the child's skin at birth at which time it will be quickly absorbed. The child practices breathing by inhaling amniotic fluid into developing lungs.

28 Weeks



30 Weeks

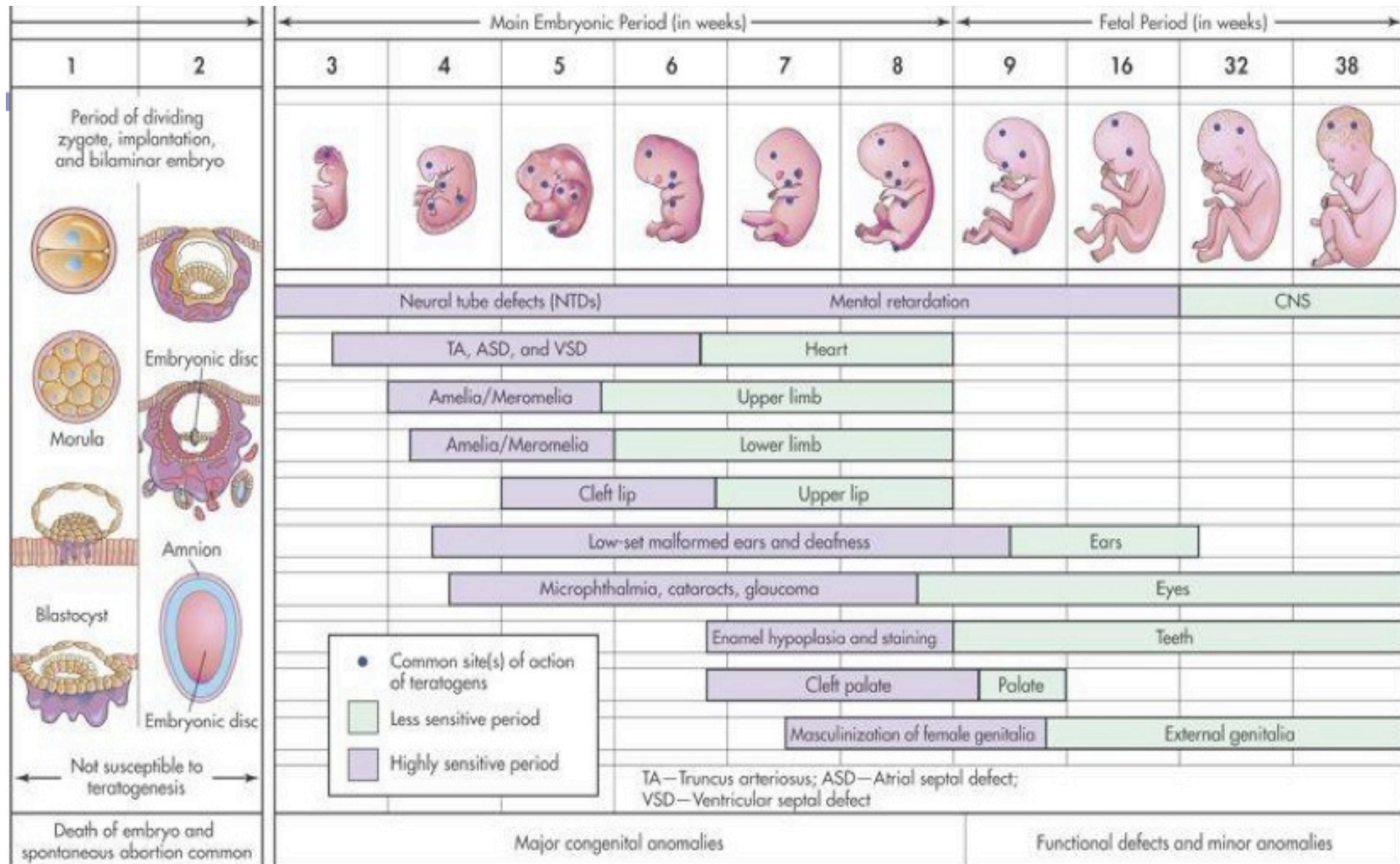


34 Weeks



40 Weeks





- Common site(s) of action of teratogens
- Less sensitive period
- Highly sensitive period

TA—Truncus arteriosus; ASD—Atrial septal defect; VSD—Ventricular septal defect