

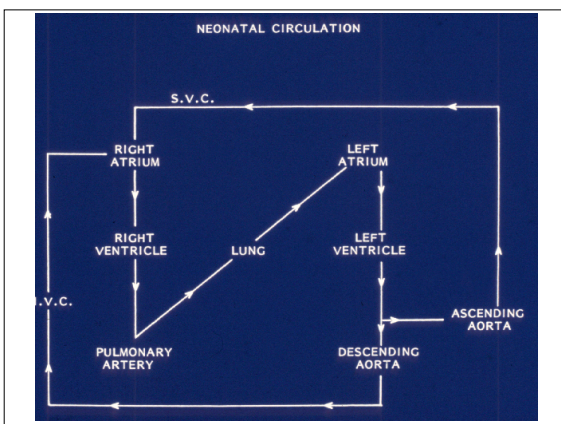
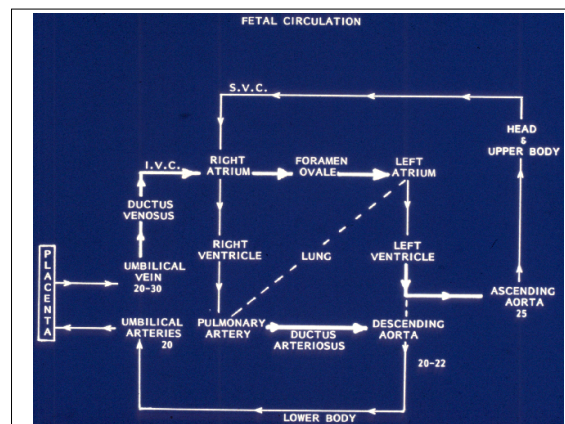
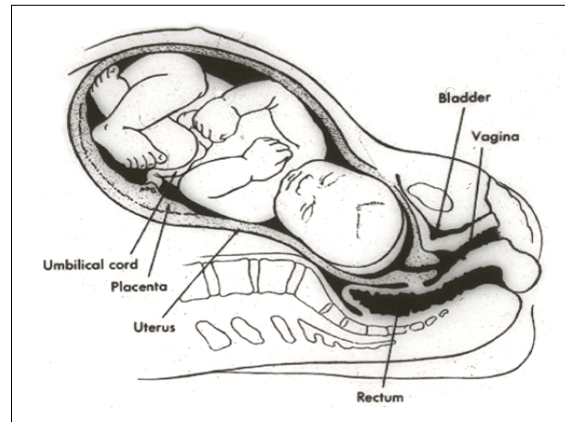
THE PRETERM NEONATE

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Maximus R.

- Born to a 32 year old primagravida at 35 weeks
- Fetal distress (bradycardia) during labor
- C-section-meconium noted at membrane rupture
- Apgar scores 1 and 6 (at 1 and 5 minutes)
- Persistent hypoxia despite FiO2 1.0 (pO2 >700)
- IPPV initiated without significant increase in pO2
- pH 7.30, pCO2 48, pO2 38, HCO3 22
- Diagnosis: persistent fetal circulation

Composition of Meconium

- Sloughed intestinal epithelial cells
- Swallowed amniotic debris (hair, vernix)
- Squamous epithelial cells
- Pancreatic lipases and proteases
- Bile acids and salts
- Sucus entericus
- White blood cells

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Components of the Apgar Score

| Sign | Score | | |
|-------------|----------|--------------|----------|
| | 0 | 1 | 2 |
| Heart rate | Absent | <100 | >100 |
| Respiration | Absent | Irregular | Good cry |
| Color | Cyanotic | Acrocyanosis | Pink |
| Tone | Limp | Minimal | Active |
| Reflex | Absent | Minimal | Active |

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