



آسفلسی رسانال

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Asphyxia : interrupted supply of oxygen to the fetus

Leads to

- Hypoxemia causes **anaerobic glycolysis**

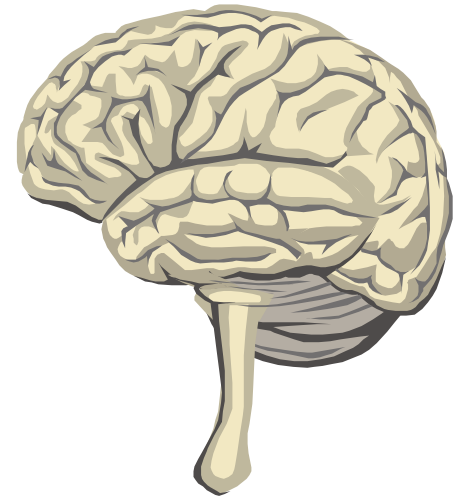
Then  lactic acidosis  Metabolic acidosis

- **Hypercarbia:** causes respiratory acidosis
- With **prolonged hypoxia** production of **co2 ceases**
- Then : only sever **metabolic acidosis**



PERINATAL ASPHYXIA

- Insult to the fetus / Newborn
 - Lack of oxygen (Hypoxia)
 - Lack of perfusion (Ischemia)
 - Both contribute to tissue injury
 - If brain injury occurs → **HIE**



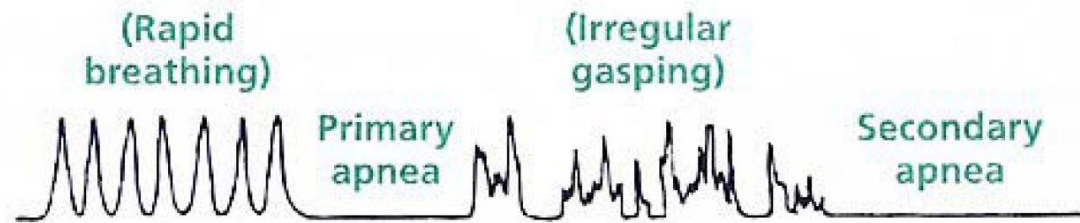


Figure 1.6. Primary and secondary apnea

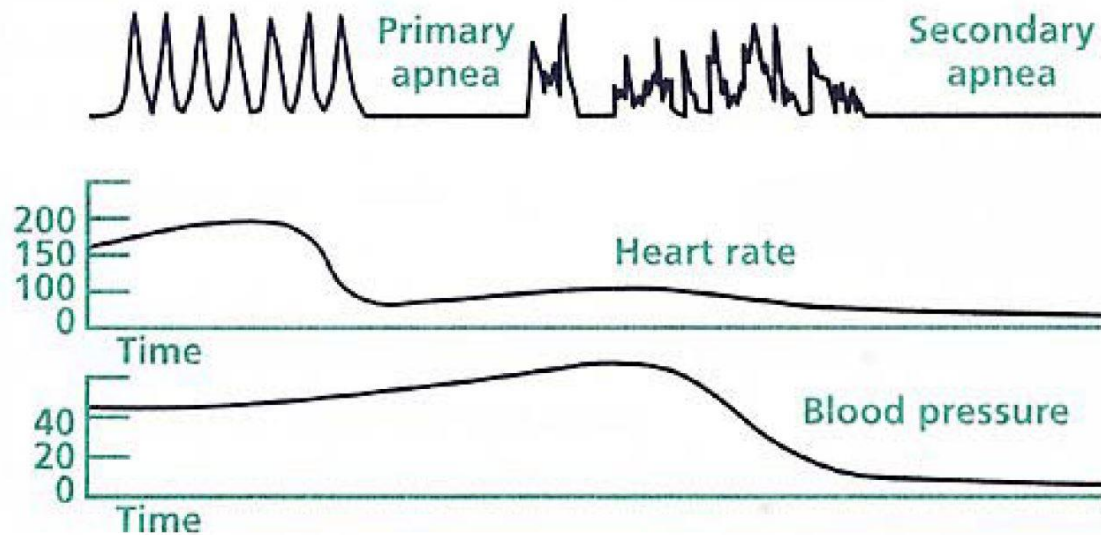


Figure 1.7. Heart rate and blood pressure changes during apnea