

# NCC EFM Certification Exam

1. Ductus venosus connects \_\_\_\_\_ to \_\_\_\_\_?: Umb. vein to IVC

2. Foramen ovale connects \_\_\_\_\_ to \_\_\_\_\_?: R. atrium to L. atrium

3. Ductus arteriosus connects \_\_\_\_\_ to \_\_\_\_\_?: Pulm. artery to aorta

learnexams

4. Normal rate: 110 to 160 BPM

5. Average baseline rate at 15wks gestation: 160 BPM

6. Average rate in fetus with heart block: 60 BPM (intrinsic ventricular or nodal rate)

7. **Sympathetic effects:** Incr. HR, constricted peripheral and visceral blood vessels, vital organs dilate and receive more blood
  
8. **Gest. age at which autonomic nervous system is fully developed:** ~ 32wks
  
9. **Primary indicator of fetal oxygenation:** Presence or absence of variability
  
10. **Location of chemoreceptors:** aortic arch
  
11. **Chemoreceptors respond to?:** Changes in O<sub>2</sub> and CO<sub>2</sub>
  
12. **Location of baroreceptors:** Aortic arch and carotid bodies
  
13. **Maximal reactivity occurs when?:** Late at night