

NCC EFM CERTIFICATION EXAM QUESTIONS AND ANSWERS (2023-2024) VERIFIED ANSWERS.

Ductus venosus connects _____ to _____? - ANSWER Umb. vein to IVC

Foramen ovale connects _____ to _____? - ANSWER R. atrium to L. atrium

Ductus arteriosus connects _____ to _____? - ANSWER Pulm. artery to aorta

Normal rate - ANSWER 110 to 160 BPM

Average baseline rate at 15wks gestation - ANSWER 160 BPM

Average rate in fetus with heart block - ANSWER 60 BPM (intrinsic ventricular or nodal rate)

Sympathetic effects - ANSWER Incr. HR, constricted peripheral and visceral blood vessels, vital organs dilate and receive more blood

Gest. age at which autonomic nervous system is fully developed - ANSWER ~ 32wks

Primary indicator of fetal oxygenation - ANSWER Presence or absence of

variability

Location of chemoreceptors - ANSWER aortic arch

Chemoreceptors respond to? - ANSWER Changes in O₂ and CO₂

Location of baroreceptors - ANSWER Aortic arch and carotid bodies

Maximal reactivity occurs when? - ANSWER Late at night

Max duration of fetal nonreactivity? - ANSWER 80min

Sensitivity - ANSWER Probability of detecting a true positive

Specificity - ANSWER Probability that true negative will be detected

False positive - ANSWER erroneously positive when reality is negative

False negative - ANSWER erroneously negative when reality is positive

NST - ANSWER Two 15x15 accels in 20min (up to 40min)

% of false positive CSTs? - ANSWER ~ 30%

BPP components - ANSWER 1) Fetal breathing movements

- Gross body movements
- Fetal tone
- Reactive fetal heart rate
- Qualitative amniotic fluid volume

BPP Score of 10 - ANSWER Normal

BPP Score of 8 - ANSWER NI infant, low risk of chronic asphyxia

BPP Score of 6 - ANSWER Borderline result - rpt in 24hrs

BPP Score of 4 - ANSWER Suspect chronic asphyxia

BPP Score of 0-2 - ANSWER Strongly suspect chronic asphyxia