



**Critical Congenital Heart Disease (CCHD) Screening
by Pulse Oximetry
Submitters Training Assessment**

- 1. What screening procedure(s) should be done to screen for CCHD?**
 - a. Ultrasound during pregnancy
 - b. Pulse oximetry screen
 - c. Physical exam after birth
 - d. All of the above

- 2. All of the following can reduce the accuracy of pulse oximetry screening, except:**
 - a. Bilirubin lamps and surgical lights
 - b. Skin colour and jaundice
 - c. Using an adult pulse oximetry clip
 - d. Cold extremities, shivering

- 3. An infant undergoes pulse oximetry screening 26 hours after birth. The SpO₂ readings are 96% in the right hand and 94% in the foot. Interpretation:**
 - a. Pass, screening complete
 - b. Indeterminate, repeat screen in one hour
 - c. Refer, do not repeat screen
 - d. None of the above

- 4. A baby has a screen positive result for the CCHD screening. Interpretation:**
 - a. The newborn has a CCHD
 - b. The newborn needs immediate clinical assessment
 - c. The newborn appears healthy, and so will repeat screen in one hour
 - d. None of the above

- 5. Parents of a newborn want to be discharged 6 hours after birth. You...**
 - a. Do not complete pulse oximetry screening, because chances of a false positive would be higher when the newborn is <24 hours of age
 - b. Complete pulse oximetry screening prior to discharge
 - c. Inform parents that the rate of false positives is higher when performed at <24 hours of age
 - d. A and C

- 6. Pulse oximetry screening is to be used for infants only when cyanosis is suspected.**
 - a. True
 - b. False

- 7. An infant undergoes pulse oximetry screening 24 hours after birth. The SpO₂ readings are 89% in the right hand and 95% in the foot. Interpret:**
 - a. Pass, screening complete
 - b. Indeterminate, repeat screen in one hour
 - c. Refer, do not repeat screen
 - d. None of the above



- 8. A positive result can be due to:**
- User error
 - Infection
 - Persistent fetal circulation
 - All of the above
- 9. Performing the pulse oximetry screen on the R hand and foot simultaneously will give inaccurate results.**
- True
 - False
- 10. The ideal timing to perform the Pulse Ox screen is:**
- <24 hours after birth
 - 24-48 hours after birth
 - >48 hours after birth
 - Before 7 days of age
- 11. Offering screening for CCHD to families is optional for the health care provider.**
- True
 - False
- 12. Parents have the right to decline CCHD screening.**
- True
 - False
- 13. What is a CCHD?**
- A heart defect that requires surgery/intervention in the first year of life
 - A heart defect that occurs with a frequency of approximately 3/1000 births
 - A heart defect where an infant may appear healthy at birth
 - All of the above
- 14. The oxygen saturation measurements are obtained from the following sites:**
- EITHER hand and opposite foot
 - RIGHT hand and EITHER foot
 - RIGHT hand and any other extremity
 - Any two extremities
- 15. Partnered with prenatal ultrasound and postnatal examination, pulse oximetry screening is the best approach to identify newborns with CCHD that would otherwise be missed prior to discharge.**
- True
 - False