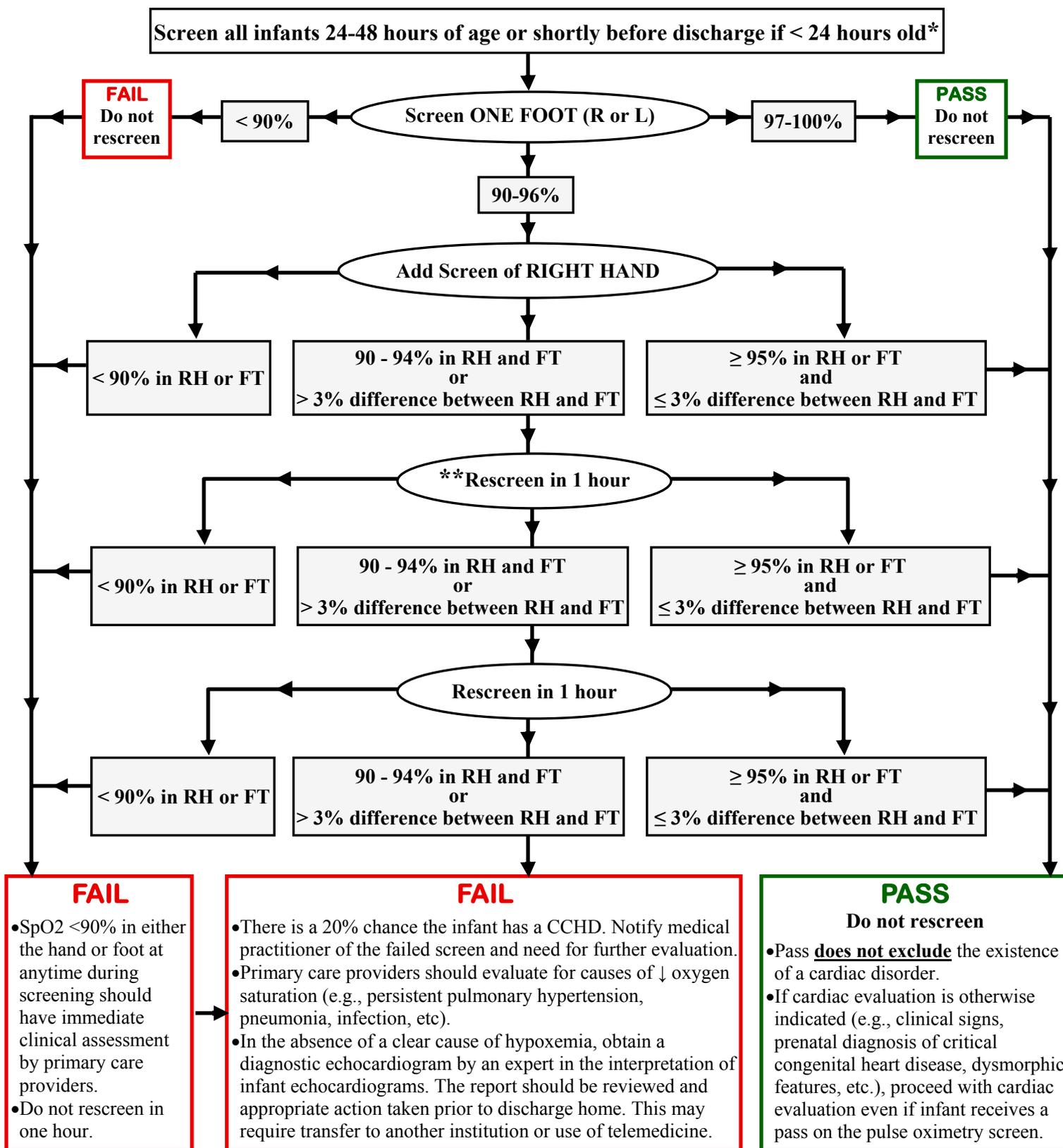


Protocol for Critical Congenital Heart Disease (CCHD) Screening

Tennessee Department of Health



- Optimal results are obtained by pulse oximeter that has been cleared by FDA for use in newborn.
- This screening algorithm should not take the place of clinical judgment or customary clinical practice.

RH = Right Hand FT = Foot SpO2 = Saturation of Peripheral Oxygen

*Infants in special care nurseries (including intermediate care and neonatal intensive care, etc.) should be screened at 24-48 hours of age or when medically appropriate after 24 hours of age. In all cases, screening should occur prior to discharge from the hospital.

**If screen with RH and FT shows 90 - 94% or there is >3% difference between RH and FT and the infant is <24 hours of age, rescreen from start of algorithm after the infant is 24-48 hours of age. If infant is >24 hours of age, rescreen in 1 hour.

Chart for identifying infants with > 3% difference between the right hand and foot:

		FOOT											
RIGHT HAND	100	100	99	98	97	96	95	94	93	92	91	90	<90
	99	100	99	98	97	96	95	94	93	92	91	90	<90
	98	100	99	98	97	96	95	94	93	92	91	90	<90
	97	100	99	98	97	96	95	94	93	92	91	90	<90
	96	100	99	98	97	96	95	94	93	92	91	90	<90
	95	100	99	98	97	96	95	94	93	92	91	90	<90

Right hand screening not needed if foot saturation is 97-100%

