## Either Foot

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<th>Right Hand</th>
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<td>&lt;90</td>
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</tbody>
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**PASS**—Pulse ox of 95% or more in RH or foot AND difference of 3% or less between the two.  
Action: Do not repeat for screening. Provide normal newborn care.

**RETEST**—Pulse ox of 90-94% in BOTH the RH and foot OR a difference of 4% or more between the RH and foot.  
Action: Repeat pulse ox measurements in one hour. If the second test remains yellow, repeat again in one hour. If the third test is still yellow, it is a **FAIL** and should be reported to the medical provider.

**FAIL**—Pulse ox of 89% or less in either the RH or foot.  
Action: Do not repeat, report to medical provider.

Adapted from the Mueller CCHD Screening Chart created by Cynthia Mueller RN, BSN (2013)  
Adapted from *Strategies for Implementing Screening for Critical Congenital Heart Disease*  
Critical Congenital Heart Disease Screening Program:

**Screening Protocol Diagram**

**Measurement #1**
**Pulse Ox on Right Hand (RH) and One Foot After 24 Hours of Age**

**RETEST**
- Pulse ox of 90-94% in BOTH the RH and foot OR a difference of 4% or more between the RH and foot
  - Action: Repeat pulse ox measurements in one hour

**Measurement #2**
**Pulse Ox on Right Hand (RH) and One Foot 1 Hr After Measurement #1**

**RETEST**
- Pulse ox of 90-94% in BOTH the RH and foot OR a difference of 4% or more between the RH and foot
  - Action: Repeat pulse ox measurements in one hour

**Measurement #3**
**Pulse Ox on Right Hand (RH) and One Foot 1 Hr After Measurement #2**

**FAIL**
- Pulse ox of 90-94% in BOTH the RH and foot OR a difference of 4% or more between the RH and foot
  - Action: Repeat pulse ox measurements in one hour

**PASS**
- Pulse ox of 95% or more in RH or foot AND difference of 3% or less between the two
  - Action: Do Not Repeat for Screening, Provide Normal Newborn Care

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**REMINDER ALGORITHM FOR SCREENERS**
- Confirm that the infant is at least 24 hours of age and eligible for screening.
- Help the parent to warm and calm the infant in a quiet and peaceful environment.
- Describe the pulse ox test to the parent.
- Select a site on the right hand and one foot that is clean and dry.
- Place the pulse ox sensor and perform the pulse ox test.

**ASSESSMENT OF BABIES WITH FAILING SATURATIONS**
1. Babies with saturation of 89% or less in RH or foot should have immediate assessment.
2. Babies with Failing Saturations:
   - Clinical Assessment
   - Complete echocardiogram
   - Infectious and Pulmonary pathology should be excluded
   - If symptomatic, referral to Pediatric Cardiology immediately
   - If asymptomatic referral to Pediatric Cardiology in timely manner

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