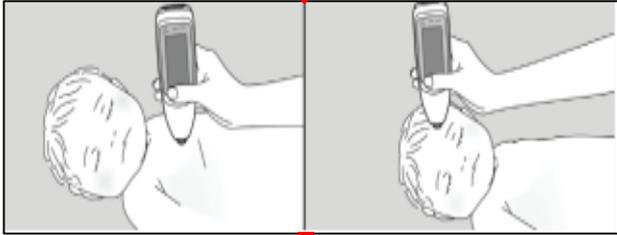


Neonatal Algorithm for Bilirubinometer use

Transcutaneous Bilirubin Measurement (TcB)
 Measures bilirubin of subcutaneous tissue and closely correlates with serum bilirubin.

Measurement site: Sternum or forehead



Clinically Jaundiced

>35weeks gestation
 >24 hrs of age
 <14 days of Life

Do Not Use TCB
 *Previous/current
 Phototherapy use
 <35 weeks
 <24 hours
 >14 days
 Please do SBR

TCB

Plot on phototherapy threshold graph according to age in hours and gestational age.
Use a triangle symbol ▲ for TcB
Use a circle symbol ● for SBR

Inform Medical team if TcB is

1. ≥ 250 mmols/L
2. TcB ≤ 50 mmols/L of phototherapy treatment line.
 - Perform SBR +DAT +/- FBC
 - See Jaundice guidelines on hospital Intranet

Abbreviations
TCB- Transcutaneous bilirubin
SBR- Serum bilirubin
DAT- Direct Antiglobulin Test
FBC- Full blood count