



Neonatal Jaundice Monitoring Chart: Phototherapy

Name:		Folder No:	
Date of birth:		Time of birth:	
Birthweight:		Gestation:	
Baby's Blood Group:	Baby's Coomb's:	Mother's Blood Group	

Use "Exchange Transfusion" chart overleaf if EXCHANGE TRANSFUSION is a possibility

PHOTOTHERAPY

In presence of risk factors use one line lower (the gestation below) until <1000g.

If gestational age is accurate, rather use gestational age (weeks) instead of body weight

Infants > 12 hours old with TSB level below threshold, repeat TSB level as follows:

1- 20 μ mol/L below line: repeat TSB in 6hrs or start phototherapy and rept TSB in 12- 24hrs,

21 - 50 μ mol/L below line: repeat TSB in 12 – 24hrs,

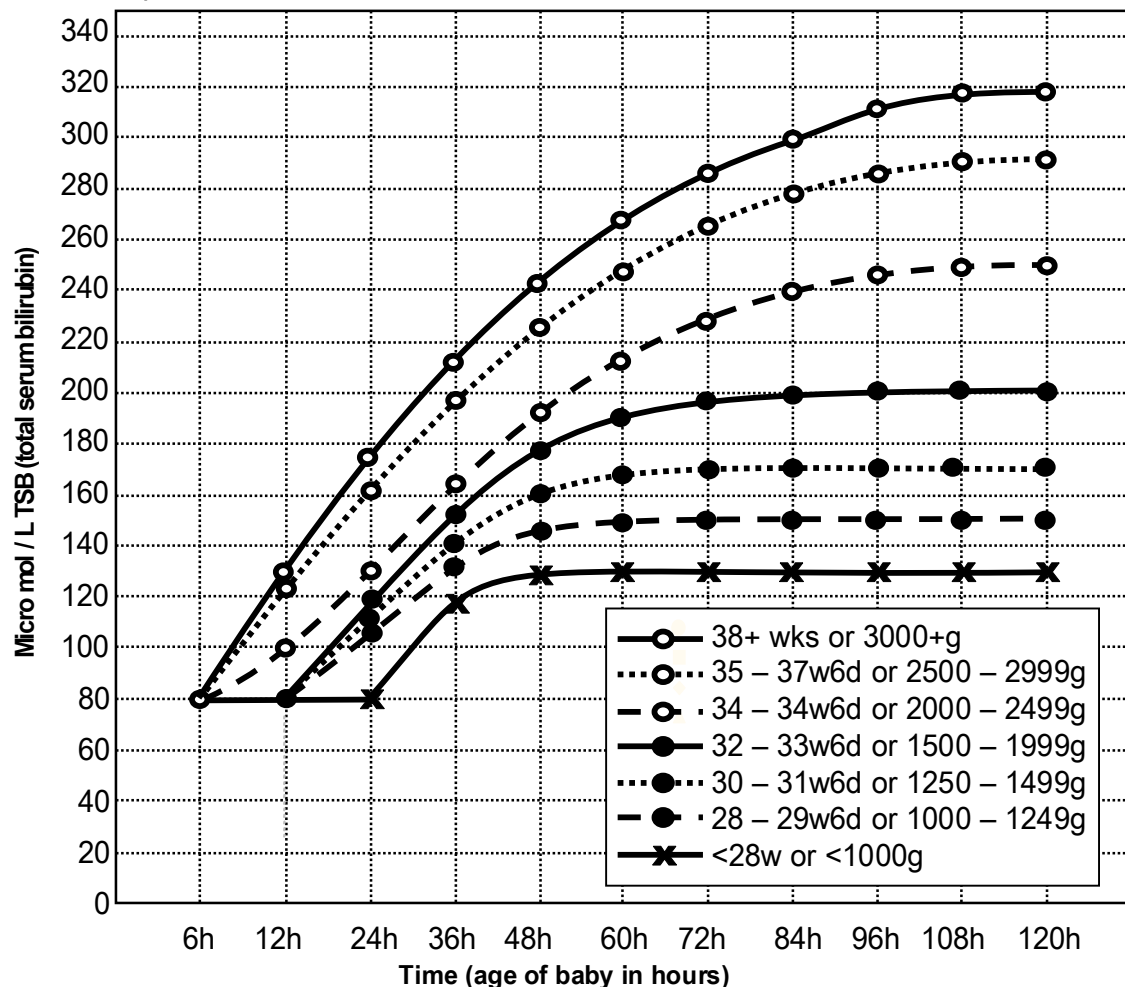
>50 μ mol/L below line: rept TSB until it is falling and/or until jaundice is clinically resolving

Infants under phototherapy :

Check the TSB 12 – 24 hly but if TSB >30 μ mol/L above the line , check TSB 4 – 6hly.

STOP phototherapy :

If TSB > 50 μ mol/L below the line. Recheck TSB in 12 – 24hr.



Start intensive phototherapy when the TSB is $\geq$ the line according to gestation or weight.

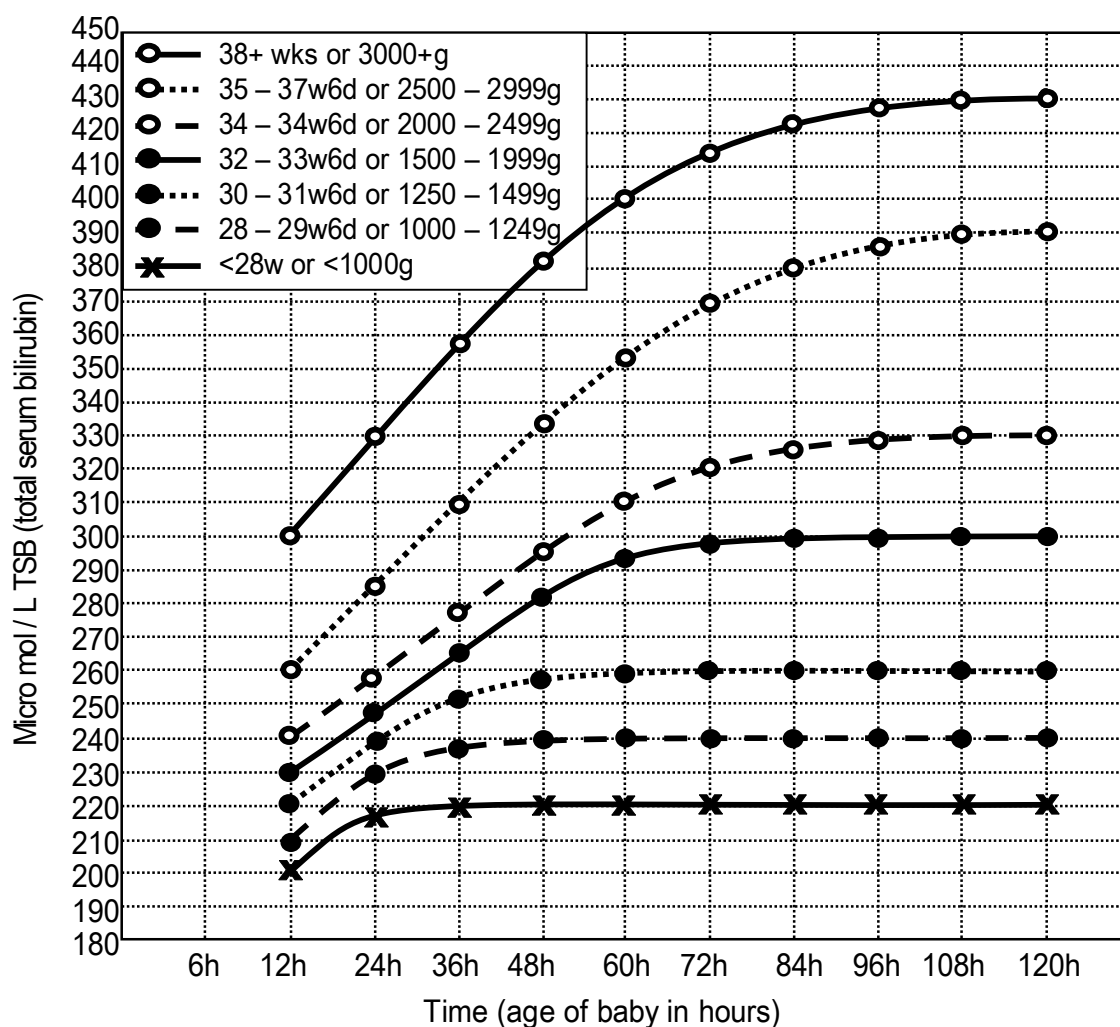
Neonatal Jaundice Monitoring Chart: Exchange Transfusion

EXCHANGE TRANSFUSION

In presence of sepsis, haemolysis, acidosis, or asphyxia,
use one line lower (gestation below) until <1000g

If gestational age is accurate, rather use gestational age (weeks) than body weight

- Note: 1. Infants who present with TSB above threshold should have Exchange done if the TSB is not expected to be below the threshold after 6 hrs of intensive phototherapy.
2. Immediate Exchange is recommended if signs of bilirubin encephalopathy and usually also if TSB is >85 $\mu\text{mol/L}$ above threshold at presentation
3. Exchange if TSB continues to rise >17 $\mu\text{mol/L/hour}$ with intensive phototherapy



Record all TSB's, Hb/PCV's, phototherapy, baby's group and Coomb's, and mother's group in the designated places on the "Newborn Care Record" ([Form Paed/01](#))