

# From the Office of Clinical Informatics Cerner Millennium Phototherapy Guidance

January 24, 2023

# Current Hyperbilirubinemia guidelines within Cerner are not consistent with the most recent AAP Hyperbilirubinemia management guidelines released in late 2022. In the interim, PediTools will be used.

## **Phototherapy Guidance**

- **<u>STEP 1</u>**: From the **Neonate Workflow MPage**, locate the **Phototherapy Guidance** component.
- **<u>STEP 2</u>**: Select the <u>PediTools</u> hyperlink.
- **<u>STEP 3</u>**: Complete the fields in the online tool **PediTools**.
  - Fill in the Age and Bilirubin information and then select Submit.

#### **<u>STEP 4</u>**: View the **Hyperbilirubinemia Management Guidelines**.

GA at birth	GA at birth 39 completed weeks					
Postnatal age	8 hours					
Bilirubin	2.4 mg/dL					
	Phototherapy threshold	Exchange threshold				
No neurotoxicity risk factors	9.9 mg/dL	19.1 mg/dL				
Phototherapy	7.5 mg/dL below phototherapy t	7.5 mg/dL below phototherapy threshold				
Escalation of care	14.7 mg/dL below escalation thr	14.7 mg/dL below escalation threshold				
Exchange transfusion	16.7 mg/dL below exchange threshold					
Birth hospitalization discharge follow-	up recommendations for infants wh	o have NOT received phototherapy				
For bilirubin 2.4 mg/dL at 8 hours age (7.	5 mg/dL below the phototherapy initi	ation threshold):				
• Follow-up within 3 days						

_	······································
	Third Party Content and References (1)
	Peditools

Phototherapy Guidance

#### Age and Bilirubin

Gestation at birth	(35 to 40+ weeks)
Age (hours)	(1 to 336 hours)
Bilirubin (mg/dL)	(optional)
Neurotoxicity risks	ONo risk factors
(required)	OANY risk factors
	OShow both
Plot scale	<ul> <li>Automatic</li> </ul>
	OFull-sized
Plot choice	Original publication
	PediTools custom
Reset form	Submit

**<u>STEP 5</u>**: Obtain **Transcutaneous Bili** on the patient and document within the **Newborn Phototherapy** section of the Newborn Lines

TcB or TSB according to clinical judgment

- Devices Procedures iView Band.
- Document if the value is within 3mg/dL.
- Indicate if a serum bilirubin has been drawn or not.
- Documentation of the serum bilirubin has been drawn allows the provider to know to look for results.

Transcutaneous Bili is within 3mg/dL? Was a Serum Bili drawn?		Yes Was a Si		Dili du	2000
Transcutaneous Bili	mg/dL		_		
	No				
WCS NB Bilirubin Transcutaneous POCT	Yes				
Transcutaneous Bili is within 3mg/dL?	_	taneous Bi	li is wi	thin 3	ma/dl
Newborn Bed Type     Transcutaneous Bili     mg/i	dl	_			
Phototherapy Meter Reading			-	1	
Phot ather ny Bank		6 15	1.	1	Som
Fiber-Optic Blanket					
Phototherapy Activity					

No

NOTE: Serum Bili should be drawn prior to notifying the provider.

#### **<u>NOTE</u>**: Please do not use the Hyperbilirubinemia graph in the chart, use the graph in PediTools.



### **Order Updates**

> Orders within the **Newborn Nursery Protocol** will be updated to reflect the new screening tool, PediTools.

R	0	Transcutaneous Bilirubinometer (TCB)	ONCE, 1 Doses/Times, Perform transcutaneous bilirubin at 24 hours of age Nurse to ord cerum Bilirubin if: 1. TCB is greater than or equal to phototherapy threshold,	2. TC
2	+44 hr 😡	Transcutaneous Bilirubinometer (TCB)	Transcutaneous Bilirubinometer (TCB)	2. TC
5	2	Transcutaneous Bilirubinometer (TCB)	Details: ONCE, 1 Doses/Times, Perform transcutaneous bilirubin at 24 hours of age	2. TC
R	0	Transcutaneous Bilirubinometer (TCB)		TCB is
R	Q	Transcutaneous Bilirubinometer (TCB)		DAT (C 2. TC
R	tal Oninid Withdraw	Notify If	<ol> <li>TCB is greater than or equal to 15 mg/dL. See 2022 AAP Bilirubin Nomogram as represented on PediTools.</li> </ol>	um bili

For questions regarding process and/or policies, please contact your unit's Clinical Educator or Clinical Informaticist. For any other questions please contact the Customer Support Center at: 207-973-7728 or 1-888-827-7728.