

November 14, 2024

Current Hyperbilirubinemia guidelines within Cerner have been updated to be consistent with the most recent AAP Hyperbilirubinemia management guidelines released in late 2022. Due to this, PediTools will be removed.

#### **Hyperbilirubinemia**

Use the **Hyperbilirubinemia** component to view clinical information related to the treatment of Hyperbilirubinemia in Newborn Nursery and Neonatal Intensive Care Unit (NICU) patients.

**<u>STEP 1</u>**: From the **Neonate or NICU Workflow MPage**, locate the **Hyperbilirubinemia** component.



# **<u>STEP 2:</u>** Select the dropdown arrow in the top right corner to open the **Hyperbilirubinemia Details** PowerForm.

- Fill in any missing details.
- Review the Hyperbilirubinemia Neurotoxicity Risk Factors and then select Sign.

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<u>NOTE:</u> The Latest Recommendations and Post- Discharge Follow-Up Recommendations are automatically adjusted based on the AAP clinical practice guidelines.

STEP 3:Obtain Transcutaneous Bili on the patient. From the Hyperbilirubinemia component select the<br/>dropdown arrow to choose Newborn Phototherapy.+-

- This opens the Newborn Phototherapy section of the Newborn Lines
   Devices Procedures iView Band.
- NOTE: AR Gould and Mercy will continue to use N Bili.
- **<u>STEP 4:</u>** Document in the Newborn Phototherapy section of the Newborn Lines Devices Procedures iView Band.
  - Indicate if there are Hyperbili Neurotoxicity risk factors.
  - 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.

 Hyperbili Neurotoxicity ... Yes

 Phototherapy Activity

 Transcutaneous... mg/dL

 Transcutaneous Bili is w... Yes

 Was Transcutaneous Bili is within 3mg/dL?

 X

 WCS

 Yes

 No

Newborn Phototherapy

Hyperbilirubinemia Details

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Newborn Phototherapy

<u>NOTE</u>: Serum Bili should be drawn prior to notifying the provider.

## **Order Updates**

Orders within the Newborn Nursery Protocol are updated to remove the screening tool, PediTools.

A	2	Transcutaneous Bilirubinometer (TCB)	ONCE, 1 Doses/Times, Perform transcutaneous bilirubin at 24 hours of age Nurse to ord gerum Bilirubin if: 1. TCB is greater than or equal to phototherapy threshold,	2. TC
R	+44 hr 😨	Transcutaneous Bilirubinometer (TCB)	Transcutaneous Bilirubinometer (TCB)	2. TC
R	0	Transcutaneous Bilirubinometer (TCB)	ONCE, 1 Doses/Times, Perform transcutaneous bilirubin at 24 hours of age	2. TC
R	0	Transcutaneous Bilirubinometer (TCB)	Order Comment: Nurse to order serum Bilirubin if:	cears cl TCB is
9	0	Transcutaneous Bilirubinometer (TCB)	1. TCB is greater than or equal to phototherapy threshold, 2. TCB is within 3 mg/dL below phototherapy threshold,	DAT (C
R Neon	atal Oninid Withdrawa	D Notiły 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

## **Provider Note Updates**

The Latest Hyperbilirubinemia Result Details display in the Neonate or NICU Provider Notes.

#### Hyperbilirubinemia Component Graph Overview

From the Hyperbilirubinemia Component, the Gestational Age at Birth, and Neurotoxicity Risk Factors can be viewed. Latest Hyperbilirubinemia Result Details Transcutaneous Bilirubin: 12 mg/dL Age: 588 hours Gestational Age at Birth: 36 weeks 2 days Neurotoxicity Risk Factors: Yes



• The graph can display data for up to 14 days of age but can only display up to 7 days of the date at a time. Adjust the data date range by selecting the arrows.

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- ➤ Use the graph to view the patient's total bilirubin results. Transcutaneous results are shown with the purple triangle plotted line. Serum results are shown with the blue circle plotted line.
- Select or deselect any of the data lines on the graph by clicking the corresponding option below the graph.
- The AAP 2022 Clinical Practice Guidelines link is available for reference.

AAP 2022 Clinical Practice Guidelines 🗹



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