

Prediction Tool for Stopping Phototherapy

This clinical tool helps in determining when to stop phototherapy. It is for use in babies ≥ 35 weeks gestation who are started on phototherapy within the first 14 days of life. Use of this tool results in a 97.5% probability that a baby will not have rebound hyperbilirubinemia (i.e., the need for restarting phototherapy according to the AAP nomogram).

- **Babies ≥ 38 weeks gestation**
 - On the phototherapy nomogram, determine the threshold level for initiating phototherapy *at the time phototherapy was started* and subtract 2 from this number.

- **Babies 35-38 weeks gestation**
 - On the phototherapy nomogram, determine the threshold level for initiating phototherapy *at the time phototherapy was started* and subtract 5.5 from this number.
 - Note: This may not be an effective strategy if phototherapy is started at a low bilirubin level, e.g., started on day 1 of life for a rapidly rising bilirubin level associated with hemolytic disease.

Chang, P.W., et al. A Simpler Prediction Rule for Rebound Hyperbilirubinemia. *Pediatrics*. 2019; 144(1).