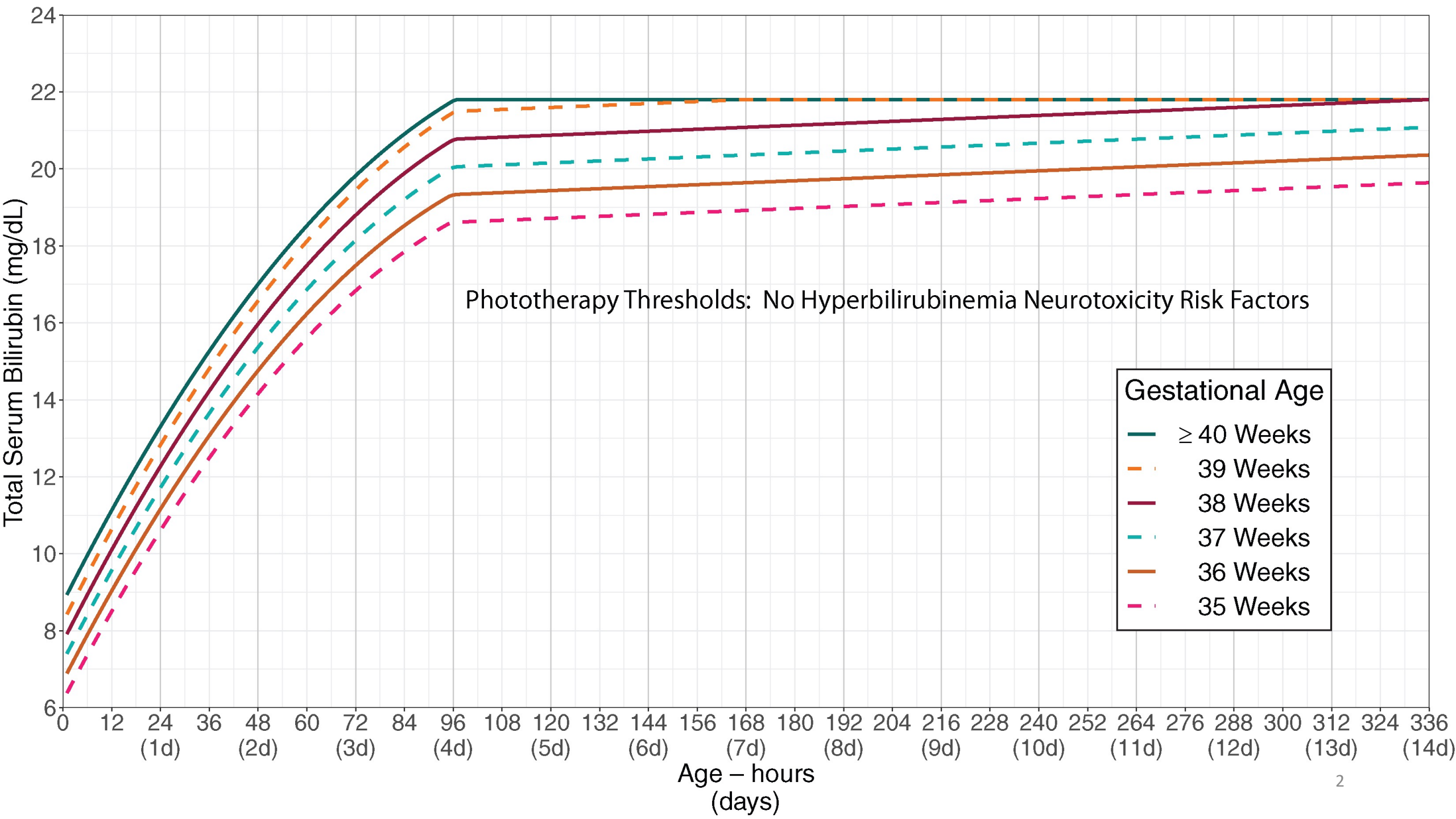
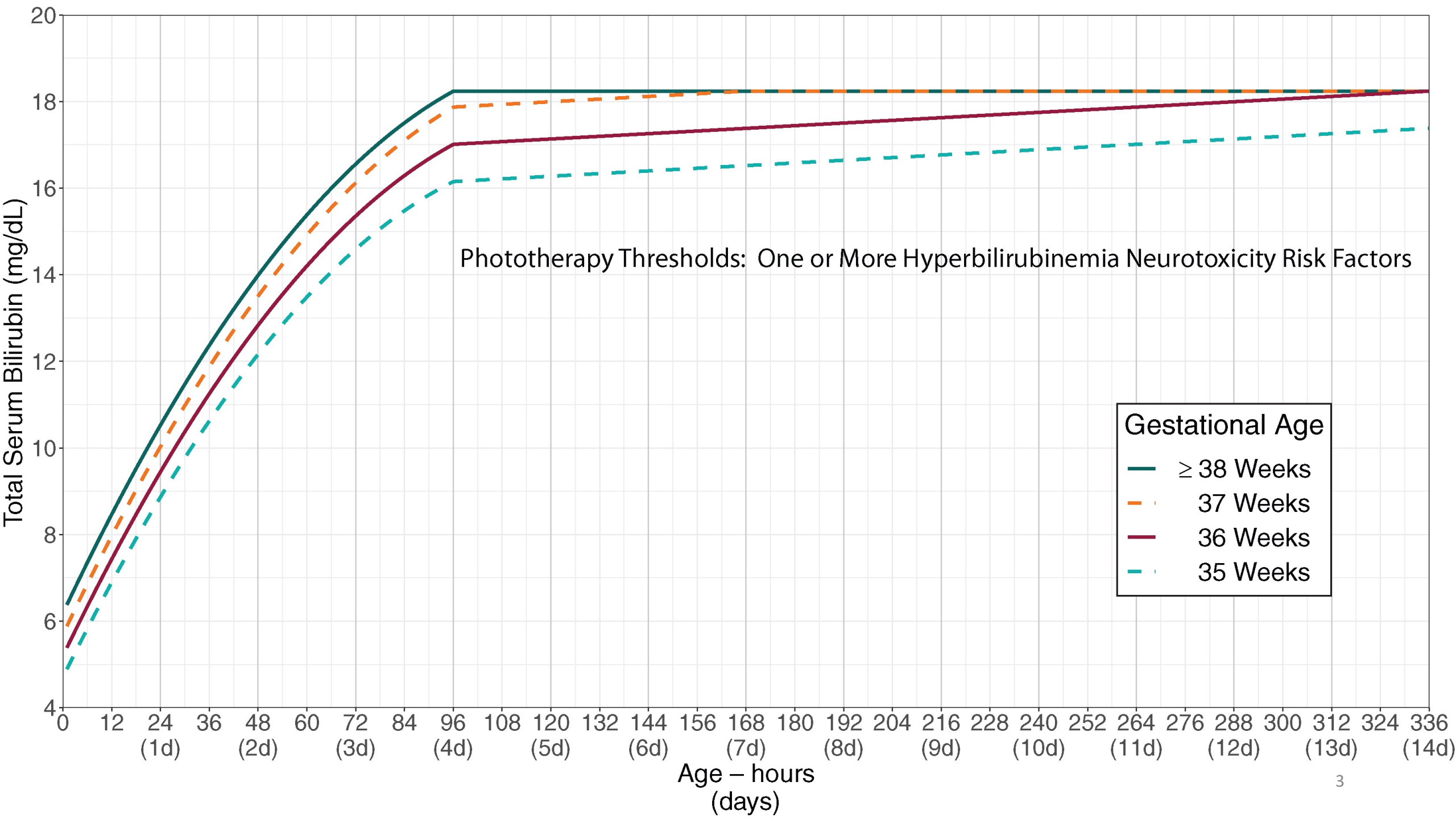


AAP Hyperbilirubinemia Guidelines 2022

- Check infant direct antiglobulin test (DAT) if maternal antibody screen positive or unknown, or rate of rise of bilirubin > 0.3 mg/dL/hr in first 24 hrs, > 0.2 mg/dL/hr thereafter
- Visually assess for jaundice every 12 hrs after delivery until discharge
 - Measure TcB (transcutaneous) or TSB (serum) bilirubin at 24-48 hrs after birth or before discharge if that occurs earlier, or if appears jaundiced earlier
- If TcB is within 3 mg/dL of phototherapy threshold or ≥ 15 mg/dL, measure TSB
- Use slides 2 and 3 for phototherapy thresholds, slide 4 for risk factors, slides 6 and 7 for exchange transfusion thresholds
- If require admission, obtain CBC, total/direct bilirubin, type & screen (cross if require exchange transfusion), DAT. If near or at exchange transfusion threshold, send labs STAT and add albumin, chem panel, contact neonatologist





Phototherapy Thresholds: One or More Hyperbilirubinemia Neurotoxicity Risk Factors

Gestational Age

- ≥ 38 Weeks
- 37 Weeks
- 36 Weeks
- 35 Weeks

Risk factors for significant hyperbilirubinemia

- Lower gestational age
- Jaundice in first 24 hrs after birth
- Pre-discharge TcB or TSB close to phototherapy threshold
- Hemolysis from any cause
 - Suspect with rate of rise > 0.3 mg/dL/hr in first 24 hr, > 0.2 mg/dL/hr thereafter
- Phototherapy before discharge
- Parent/sibling required phototherapy or exchange transfusion
- FH inherited RBC disorders, including G6PD
- Exclusive breastfeeding with suboptimal intake
- Scalp hematoma or significant bruising
- Down syndrome
- Macrosomic infant of diabetic mother

Risk factors for hyperbilirubinemia neurotoxicity

- Gestational age < 38 weeks and risk increases with each degree of prematurity
- Albumin < 3.0 g/dL
- Isoimmune hemolytic disease (+ direct antiglobulin test), G6PD deficiency, or other hemolytic conditions
- Sepsis
- Significant clinical instability in the previous 24 hours

Home LED-based phototherapy okay if:

- Gestational age \geq 38 weeks
- \geq 48 hours old
- Clinically well with adequate feeding
- No known hyperbilirubinemia neurotoxicity risk factors (see slide 4)
- No previous phototherapy
- TSB no $>$ 1 mg/dL above the phototherapy threshold
- An LED-based phototherapy device will be available at home without delay
- TSB can be measured daily

