

MCQ's: Phototherapy

1. Effectiveness of phototherapy is determined by
 - a) General condition of baby-Healthy/sick
 - b) Initial level of Total serum bilirubin level
 - c) Initial level of conjugated serum bilirubin level
 - d) Age of the baby

2. If only white light is available for phototherapy then what to do
 - a) Use only white light for phototherapy
 - b) Use blue plastic perspex in front of white light
 - c) No use of using white light only
 - d) Wait till availability of blue light

3. Bronze baby syndrome results due to
 - a) Phototherapy given in case of conjugated hyperbilirubinemia
 - b) Phototherapy given in case of sepsis
 - c) Phototherapy given in case of prematurity
 - d) Phototherapy given for a long period

4. Bilirubin level is not falling, all may be the cause, EXCEPT
 - a) Low irradiance of phototherapy unit
 - b) Overhydrated baby
 - c) Less body surface of baby is exposed
 - d) Constipated baby

5. Minimum irradiance required for effective phototherapy
 - a) $4 \mu\text{w}/\text{cm}^2/\text{nm}$
 - b) $6-8 \mu\text{w}/\text{cm}^2/\text{nm}$
 - c) $10-12 \mu\text{w}/\text{cm}^2/\text{nm}$
 - d) $>15 \mu\text{w}/\text{cm}^2/\text{nm}$

6. Which light is most effective for phototherapy
 - a) Blue white light
 - b) Blue light
 - c) Blue green light
 - d) Green white light

7. For babies below 2 kg under risk of hypothermia, which is the best approach
 - a) Keep phototherapy unit under warmer
 - b) Cover phototherapy unit by a blanket

- c) Provide phototherapy directly over the incubator
 - d) Use intermittent phototherapy
8. Minimum distance between compact fluorescent bulb phototherapy unit and the baby
- a) 5 cm
 - b) 10 cm
 - c) 15 cm
 - d) 20 cm
9. Major mechanism for phototherapy induced decline in total serum bilirubin
- a) Configurational isomerization
 - b) Structural isomerization
 - c) Photo-oxidation
 - d) All are equally effective
10. Which is true about discontinuation of phototherapy?
- a) When TSB level falls below the level of starting phototherapy
 - b) When TSB level falls below the arbitrary level of 15 mg%
 - c) When TSB level falls below the cut off for limit of phototherapy based on age, gestation and risk factors on AAP chart
 - d) All are true