

IAP Neonatology Chapter Fellowship Exam: August 2015

Paper 2

Maximum marks 100

Time: 3 hours

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Note:

- Attempt each question on a new page.
- All questions carry equal marks.
- All questions are compulsory

Q1. 36 weeks / 2.4 kg baby has a bilirubin value of 22 mg on day 4 (4 + 6 + 6 + 4)

- a) How do you optimize phototherapy?
- b) How do you prepare for exchange transfusion (ET)? What are your indication for ET?
- c) Describe how do you monitor exchange transfusion ? Enumerate complications.
- d) What special follow up is needed for such a patient?

Q2. A primi mother delivers a 34 weeks / 2.2 kg baby (4 + 6 + 4 + 6)

- a) List the immediate health concerns
- b) What specific infant care is required in hospital (before discharge)?
- c) List long term concerns
- d) Describe the Immunization, nutrition supplementation plan for this baby after discharge

Q3. 29 weeks / 1.3 kg baby has new onset apnea at 15<sup>th</sup> day of life. Baby has already received ampicillin / amikacin for 5 days and piperacillin – tazobactam for 5 days for suspected infection (6+ 6+ 4 +4)

- a) How do you evaluate this baby's apnea
- b) What is the treatment plan for recurrent apnea
- c) How do you manage if urine shows fungal hyphae
- d) How do you evaluate if Serum Sodium is 118 meq / L

Q4. You are NICU in charge and find 3 babies blood culture positive with multi-resistant bug in one week  
(6+6+8)

- a) How do you plan to control the out-break?
- b) What measures you will take to decrease infections in future?
- c) Describe routine disinfection of NICU and equipment

Q5. A preterm, 30 weeks, 1.4kg at birth is discharged on day 30 of life with a discharge weight of 1.45kg.(5+5+5+5)

- a) How do you monitor the growth of this infant post-natal? Which growth charts do you need? How long do you correct for prematurity for growth, weaning, vaccination and development.
- b) How do you evaluate the reasons for failure to thrive in this newborn during the NICU Course?
- c) Make a checklist for evaluation at the time of discharge
- d) Make a checklist for first evaluation in the OPD 1 week later.