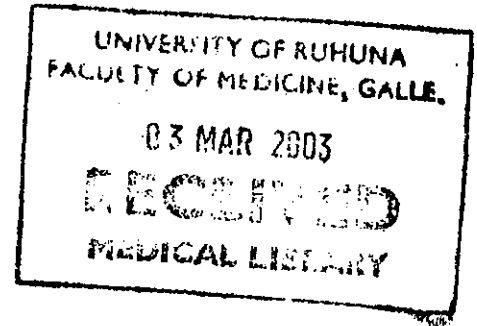


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UNIVERSITY OF RUHUNA
FACULTY OF MEDICINE
GALLE.



FINAL MBBS EXAMINATION FEBRUARY/MARCH 2003 ✓
PAEDIATRICS PAPER 1

Duration – 3 hours.

1. There are four parts (A, B, C, D) and six questions.
2. Part A & D has one question each.
3. Part B & C has 2 questions each.
4. Please answer all six questions.
5. Answer each part in the space provided.
6. Write the index number on the space provided on top of each part.





Part C

Index no.....

Q4 A 5 day old baby was brought to the OPD with jaundice. He was born to a 32 year old B negative mother following her second pregnancy. First pregnancy was a full term normal delivery and the baby was B positive. Mother was given anti D immunoglobulin within 48 hours of delivery.

This baby had been delivered 4 hours after induction of labour. Apgar score was 9 and 10 at 1 and 5 minutes respectively. Birth weight was 3100 grammes. This baby did not suck well on the first day and was noted to be jaundiced on day 2 on a routine check. At this stage cord blood results were traced and showed a bilirubin level of 1.4mg/dl(23.8 micromole/l) and Hb of 18 g /dl.

Direct coombs test was negative. Blood group was B negative.

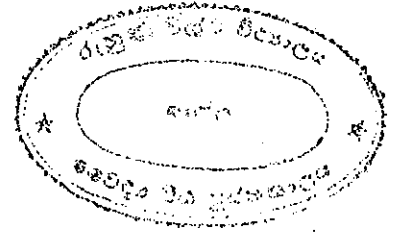
Jaundice was worse on day 3 and the serum ^{indirect} bilirubin(SBR) estimation was 13.2mg/dl(224.4 micromole/l). Phototherapy was initiated. SBR on day 4 was 12.8mg/dl and day 5 it was 12.6mg /dl. Phototherapy was discontinued. He was also commenced on penicillin and Gentamicin after a blood culture on day 3. On day 5 the child was discharged home after stopping antibiotics and advised to come to the clinic for follow up in 4 weeks to trace the blood culture report. Mother was also advised to expose the child to sunlight for 4 hours in the morning.

4.a What is the most important information missing in the history?(10 marks)

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4.b. What is the differential diagnosis for the jaundice?(20 marks)

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Part D

Index no.....

Q.6

6. A three year old boy was admitted with a history of high fever, cough, dyspnoea and painful swelling of the left knee joint of five day duration. On examination his weight was 10 Kg. He was pale and had arthritis of the left knee joint. His respiratory rate was 60 per minute, had recessions and was grunting. On auscultation there were bilateral coarse crepitations and the heart was clinically normal.

Liver was palpable three centimeters in size and the spleen was not palpable.

He is the third of a family with four children and both parents were estate labourers.

6.a What is the most likely complete diagnosis? (20 marks)

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6.b. What investigations would you do? (20 marks)

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6.c. How would you manage the arthritis of this child? (30 marks)

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