



UNIVERSITY OF JAFFNA, SRI LANKA
FINAL EXAMINATION FOR MEDICAL DEGREES - AUGUST 2022
ACADEMIC YEAR 2014/2015
Paediatrics - Paper II



Date: 03.08.2022

Time: 03 hours (01.30 pm – 4.30 pm)

Answer all six questions

INDEX NO

Question Number 1

You are called from post-natal ward to see a 2 day old term baby who is having recurrent episodes of apnea.

1.1 List Five (5) common causes of apnea in a newborn baby (15 Marks)

1.2. List three (3) information you will obtain from the history to differentiate the above-mentioned causes (15 marks)

1.3. List the investigations you will request in this child to differentiate the above mentioned causes? Indicate the expected findings (20 Marks)

1.4. On further questioning the mother reveals that she had fever during the time of delivery and the baby was less active and had poor feeding for the last 6 hours.
What is the most likely cause for the presentation? (10 marks)

1.5. What other clinical signs will you look in this baby to arrive at a diagnosis? (10 marks)

1.6. What further investigations will you request in this baby? (Apart from the one mentioned in 1.3) (10Marks)

1.7. Outline the management of this baby (20 Marks)



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Question Number 2

A 10 year old diagnosed child with asthma who is on beclomethasone 100 µg twice daily presented with clinical features of acute severe exacerbation.

2.1. List the clinical features that support the diagnosis of acute severe asthma in this child?
(20 marks)

2.2. On further questioning he was having partial control of mild persistent asthma with good compliance and good technique of drug administration.

What information in the history will support the diagnosis of partial control in this child?
(10 Marks)

2.3. Outline the management plan of acute severe exacerbation of asthma in this child?

(25 marks)

2.4. He did not improve with the initial management

List two (2) investigations you would request in this child? Indicate the reason for requesting the investigations?

(10 Marks)

2.5. As he did not improve with the initial management he was commenced on intravenous infusion of a drug. Few hours after the initiation of the infusion he developed supraventricular tachycardia.

Name the most likely drug which was commenced on this child?

(10 Marks)

2.6. Indicate the specific management of supraventricular tachycardia in this child (10 Marks)

2.7. Outline the long term management of asthma of this child

(15 Marks)



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Question Number 3

An 8 year old girl admitted with the history of vomiting and abdominal pain of 1 week duration. She is also having poor feeding and sleep. On examination she is afebrile, ill looking and icteric. Abdominal examination reveals free fluid.

3.1. What is the working diagnosis for the above presentation (10 Marks)

3.2. List five (5) causes for the above presentation. (15 Marks)

3.3. List the investigations you will request in this child with reason and mention the expected findings (20 marks)

3.4. Outline the management plan of this child

(20 Marks)

3.5. On further questioning the mother reveals she is a consanguineous product and her brother died at the age of 26 due to some neurological problems.

What is the most likely diagnosis? (10 marks)

3.6. Outline the investigation you will request to confirm the diagnosis

(15 Marks)

3.7. Indicate the specific management for the condition mentioned in 3.5.

(10 Marks)



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Question Number 4

A 3 year old is admitted with generalized body swelling and reduced urine output. Urine ward test shows 4+ protein. A diagnosis of Nephrotic syndrome is suspected.

4.1.Name two (2) investigations to confirm the diagnosis (10 Marks)

4.2.What key anthropometric measurement is needed to commence the child on treatment (05 Marks)

4.3.The child complains of abdominal pain on day 3 after commencing the definitive treatment. List three (3) possible reasons for abdominal pain (15 Marks)

4.4. On examination of the renal chart, you notice the previous day urine output was 0.4 ml/kg/day and the blood pressure was 80/65 mmHg

4.4.1. Name the complication the child is developing (10 Marks)

4.4.2. What other features will you look in the examination (10 Marks)

4.5. What is the management of the complication detected in question 4.4.1. (20 Marks)

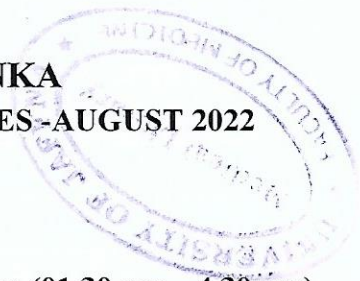
4.6. List two (2) other problems the child can develop due to the primary diagnosis. (10 Marks)

4.7. On day 15 of illness the child remained unwell and renal biopsy was recommended. List two (2) indications to perform a renal biopsy (10 Marks)

4.8. List two (2) second line drugs that are used to treat this condition (10 Marks)



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Question Number 5

An 18-month-old is brought to the clinic with increasing temper tantrums. He was able to walk steadily holding a toy, put small beads into a tin, scribble horizontal lines and was able to speak monosyllables. When called his name he did not respond, he recognized three body parts and was able to point to the light when asked to.

5.1 Name the developmental problem is seen in this child? (15 Marks)

5.2 List the investigations/assessments you will perform in this child (20 Marks)

5.3. On examination of the child's weight was on the median, height was on the +2SD, and OFC was on the -2SD.

What is the most likely underlying cause associated with these findings (15 Marks)

5.4 List three (3) other features you will look in relation to the underlying cause (15 Marks)

5.5 List the steps in the management of this child (20 Marks)

5.6 Mother is worried about the schooling of this child. What information will you provide regarding schooling of this child. (15 Marks)



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Question Number 6

6.1. List two (2) possible reason for white reflex in the eye when examining a neonate
 (10 Marks)

6.2. List three (3) examination findings that are normal in the newborn **skin examination**.
 (15 Marks)

6.3. Name three (3) complications that can occur with the second month vaccine (15 Marks)

6.4. What are hunger cues in a baby who is breast fed?

(15 Marks)

6.5. What advice will you give a mother who is **breast feeding** and has **cracked nipple**

(15 Marks)

6.6. List four (4) fractures that are suggestive of child maltreatment

(10 Marks)

6.7. List the steps in the management of a child who is evaluated for a possible physical abuse

(20 marks)

