

CASE 1

An 18-month old boy was seen in the outpatient clinic for vaccination. Mother complained that he was irritable and anorexic for the last two weeks. He was breastfed until the age of one (1) year. However, cow's milk was introduced at the age of four (4) months.

On examination:

- Pale
- Irritable
- Temperature – normal
- Heart rate 110/min., other vital sign – normal
- Systemic examination was normal
- Laboratory: Hb level was 6 gm/dl

Questions:

- 1) What important points in the history you would like to know?
- 2) What other tests you would like to do?
- 3) What treatment you will give?

CASE II

A seven (7) years old girl was brought to the Emergency Room (ER) because she had severe abdominal pain which increased gradually over the last 24 hours, not responding to regular pain medication. The pain then involved the back and shoulders. She had previous similar attacks. On arrival to ER her examination showed:

A young girl who was in obvious pain:

- Temperature: 37⁰C
- Pulse rate: 120/min.
- She was jaundiced and pale
- Chest: normal
- CVS: Faint systolic murmur
- Abdomen: Liver 3 cm. BCM, non-tender, spleen 2cm. BCM
- CNS: grossly normal

She was started an IV pain medication

Questions:

- 1) What points in the history you would ask?
- 2) What laboratory tests to do?
- 3) How do you manage her?

CASE III

A nine (9) years old girl was seen in Emergency Room (ER) because she had yellow coloration in the sclera and passing dark urine for 24 hours; she became easily tired and had poor appetite.

On examination:

- Unwell child
- Jaundiced
- Pale
- Splenomegally of 3 cm, BCM
- Liver is 1 cm BCM, non-tender
- No other findings
- Urine examination was positive for hemoglobin

Questions:

- 1) Any more points in the history?
- 2) What urgent laboratory test to do?
- 3) How do you manage?

CASE IV

An eight (8) month old boy was seen in the clinic because of increasing fatigue and abdominal distension. He was the first child for first degree relative parents.

On examination:

- Pale child with mild jaundice
- Had splenomegaly of 6 cm BCM and liver is 4 cm BCM
- Otherwise normal examination
- CBC showed: Hb 6gm/dL severe hypochromia and microcytosis.

Questions:

- 1) What important points in the history you would like to know?
- 2) What other test you would like to do?
- 3) What treatment you will give?