

ASCARIASIS

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ASCARIASIS

Diagnosis :

- Accurate diagnosis of migrating larvae is impossible at this time
- Demonstration in sputum is definitive, provide a technician can identify
- Diagnoses are made by identifying the characteristic, mammilated eggs in feces or by an appearance of the worm

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PREVENTION

- Sanitary disposal of human feces & the prohibited use feces as fertilizers or chemical treatment
- Thorough washing hands before meals
- Health education and instructions to children on sanitation & personal cleanliness
- Thorough washing of incooked vegetables

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1. A 30 years female presented with pain in the right upper abdomen and epigastric region with jaundice for 6 days. History of nausea and vomiting was also present. Prior history of passage of worms in the stool was present. On general examination jaundice was present. Abdominal examination revealed mild tenderness in the right hypochondrium. Liver function test shows raised serum bilirubin (4mg %) and alkaline phosphatase (400IU/L). USG abdomen revealed dilated gallbladder without any evidence of cholecystitis with tubular echogenic non-shadowing image in the gallbladder lumen and CBD.
 - **Diagnosis** of gall bladder ascariasis was made.

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2. A 4-year-old Caucasian male child of Turkish nationality was admitted to the emergency department with Abdominal pain and biliary vomiting for three days. Physical Examination revealed abdomen tenderness and rigidity. X ray showed air-fluid levels indicative of Intestinal obstruction. USG demonstrated masses in the intestinal lumen. Parallel paired lines like 'railway track' and 'bull's eye' sign were Seen on USG .

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- At laparotomy, he had necrosis of ileal part of approximately 20 cm. The necrosis parts were resected and evacuated the two Ascaris masses. Primary end to end anastomosis was performed. Patient was discharged 7th day postoperatively without complication.

REFERENCES

- Miyazaki, I. 1998. An Illustrated Book of Helminthic Zoonosis. p.304. Toyo-kaiji Bldg, Tokyo.
- Schmidt, G.D. & Roberts, L.S. 2005. Foundations of Parasitology. 7th ed. p.435. Mc Graw-Hill, New York.

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