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Educational Abstract

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Ultrasound In Hepatobiliary And Pancreatic Ascariasis With Biliary Obstruction

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Learning Objectives: Ultrasound being cheap and easily available technique, is an invaluable diagnostic tool in hepatobiliary and pancreatic ascariasis with biliary obstruction.

Background: Ascariasis is the commonest helminthic disease to infect humans. After wandering in the intestine they migrate into the biliary and pancreatic duct system causing biliary obstruction.

Findings & Procedure Details: We report two cases of ultrasound in hepatobiliary pancreatic ascariasis causing biliary obstruction with resultant jaundice. **Case 1:** a 21 years old female presented with history of fever and weakness for 1 week and yellowish discoloration of the eyes of 3 days duration with off and on episodes of vomiting of round worms. Vitals including blood pressure (110/70 mm of Hg) are within normal limits. Physical examination of the abdomen shows palpable liver and non tender. Ultrasound shows hepatobiliary and pancreatic ascariasis with biliary obstruction **Case 2:** a 19 years old female carrying a 35 weeks 2 days old live fetus presented for ultrasound abdomen. She give history of constipation and pain epigastrium of 6 days duration. Ultrasound shows dilatation of the hepatobiliary system bilaterally with dilated CBD containing sludge.

Conclusion: In our cases we present typical ultrasound imaging findings in hepatobiliary pancreatic ascariasis causing obstructive jaundice. The typical imaging signs depicted include inner tube sign, Spaghetti sign, Inner tube sign etc.