

HEPATIC HYDATID CYST WITH BILIARY RUPTURE: BALLOON DILATATION OF CYSTOBILIARY COMMUNICATION TO ACHIEVE CURE

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Poster

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A case report describes successful non-surgical treatment of a solitary hepatic hydatid cyst with biliary rupture using ERCP with dilation of the cystobiliary communication, combined with antibiotics and albendazole.

KEY POINTS

- An 18-year-old male with a 9 cm hepatic hydatid cyst and obstructive jaundice underwent endoscopic sphincterotomy, CBD clearance, and dilation of the cystobiliary communication with an 8 mm balloon, plus biliary stenting for 4 weeks.
- Medical therapy included Piperacillin+Tazobactam for 10 days and Albendazole 400 mg twice daily for 20 days, repeated twice at 3-week intervals.
- Follow-up ultrasonography at 6 months showed complete resolution of the liver lesion and normal CBD without surgical intervention.
- The authors propose that dilating the cystobiliary communication increases bile entry into the cyst, which kills the parasite, though they note this strategy may not be useful in patients with multiple hepatic cysts.
- This case challenges the traditional surgical approach to hepatic hydatid cysts with biliary rupture and may interest hepatobiliary specialists managing solitary hydatid disease.

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