

Ascaris-mimicking common bile duct stone: A case report

Choi SY *et al.* Ascaris-mimicking common bile duct stone

Abstract

BACKGROUND

In most cases, it is not difficult to differentiate common bile duct (CBD) stone from Ascaris infection because they are different disease entities and have different imaging findings. The two diseases usually demonstrate unique characteristic findings on computed tomography or magnetic resonance cholangiopancreatography. However, we report a rare case from our experience in which a CBD stone mimicked and was misdiagnosed as Ascaris.

CASE SUMMARY

A 72-year-old male presented with elevated serum liver enzymes. Computed tomography showed a hyper-attenuated, elongated lesion in the CBD lumen and associated biliary inflammation. Magnetic resonance cholangiopancreatography and **endoscopic retrograde cholangiopancreatography revealed a linear filling defect in the bile duct.** Moreover, elongated echogenic material with a central hypoechogenic area was seen on endoscopic ultrasound. Although the imaging findings caused us to suspect infection with the nematode *Ascaris*, the lesion was revealed to be a dark-brown-colored CBD stone through endoscopic extraction.

CONCLUSION

Match Overview

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Obstruction can be due to different etiologies such as **stone**, mass, worm, and rarely by mucus plug. We report the case of a 31-year-old gentleman who presented with recurrent biliary colic and weight loss. Work-up showed linear calcifications in the gallbladder extending to the **common bile duct** suggesting hepatobiliary ascariasis.

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Rarely it migrates through the ampulla of vater and enters the **common bile duct**. We are reporting a **case** of gall bladder ascariasis causing acute cholecystitis treated by laparoscopic cholecystectomy.

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Ascariasis, the most **common** helminthic infection is caused by ascaris lumbricoides. Usually the adult worm lives in the small intestine. Rarely it migrates through the papilla of vater and may enter the **common bile duct**. We are reporting a **case** of gall bladder ascariasis. Presence of Ascaris lumbricoides in gallbladder is rare entity as it is difficult to reach there due to narrow and tortuous ...

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See results for

Gallbladder

In vertebrates, the gallbladder is a small hollow organ where bile is stored and concentrated before it is released into the small intestine. In humans...

Common bile duct

The common bile duct, sometimes abbreviated CBD, is a duct in the gastrointestinal tract of organisms that have a gallbladder. It is formed b...