

Case Blog

Title: An Unusual Right Upper Quadrant Pain Cause: Multiseptate Gallbladder

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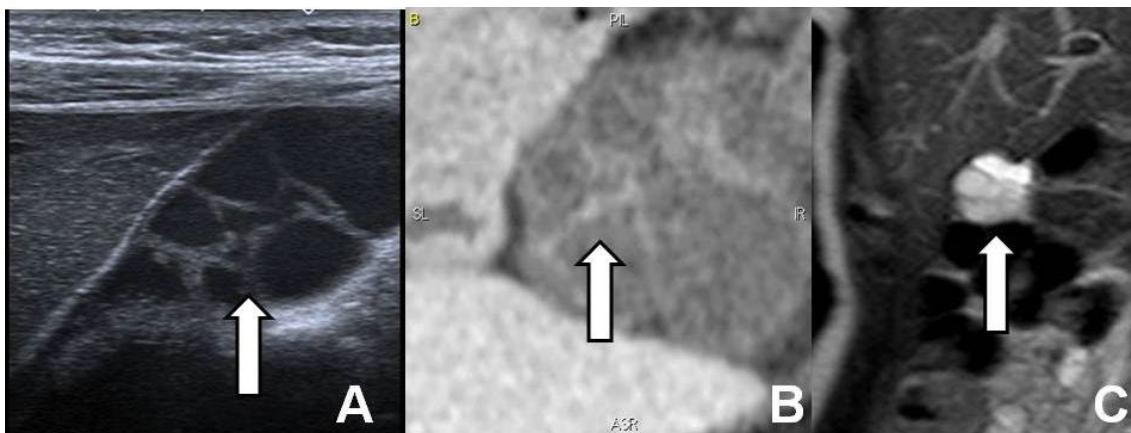


Figure A: Transabdominal sonography showed complete and incomplete longitudinal a transverse septas in the gallbladder body.

Figures B and C: Contrast-enhanced computed tomography and magnetic resonance cholangiopancreatography (MRCP) revealed mutiple septas giving a honeycomb appearance.

Clinical Presentation

A 29-year-old woman presented to the emergency department with right upper quadrant pain, nausea. Laboratory tests indicated a mildly increase in transaminases and total bilirubin. On physical examination, murphy's sign was positive. Transabdominal sonography showed complete and incomplete longitudinal a transverse septas in the gallbladder body (Figure A). Contrast-enhanced computed tomography and magnetic resonance cholangiopancreatography (MRCP) revealed mutiple septas giving a honeycomb appearance (Figures B and C). The patient received a diagnosis of multiseptate gallbladder. The patient underwent laparoscopic surgical excision of gall bladder. A radiological diagnosis of multiseptate gall bladder was confirmed on pathology. Gross pathology gallbladder material showed chronic cholecystitis with multiple septas.

Multiseptate gallbladder is a rare congenital malformation of gallbladder that characterised by the presence of bridging multiple septas like honeycomb [1]. Multiple septas may cause stasis of bile and effect motility [1,2]. As a result of this, cholecystitis and cholelithiasis may occur. Multiseptate gallbladder are also related with hepatobiliary and pancreatic ductal anomalies and increased risk of cancer [3]. Ultrasound is an important diagnostic tool for multiseptate gall bladder, on the other hand MRCP and other imaging modalities can be used for diagnosis [4]. It is crucial to follow up and investigate cases with multiseptate gallbladder. Symptomatic cases can be treated with cholecystectomy.

References

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