

Gastroenterología y Hepatología

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IMAGE OF THE MONTH

Emphysematous cholecystitis: A rare complication Colecistitis enfisematosa: una complicación rara



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A 75-year-old man, with only history of Y roux gastrectomy for a peptic ulcer, presented to the emergency room with vomiting and abdominal pain. Physical examination revealed drowsiness, hypotension, tachycardia, hypoxemia, anuria, and tenderness in the right upper quadrant of the abdomen. Laboratory studies revealed a leukocytosis (26,000/ μ L), and elevated C-reactive protein 35 mg/dL, procalcitonin 137 ng/mL and lactate 91 mg/dL. Liver enzymes were raised (AST 409 U/L, ALT 243 U/L) and total bilirubin was slightly elevated (1.53 mg/dL). The patient was hemodynamically stabilized.

Abdominal computed tomography presented gas in the wall of the gallbladder with air in the lumen (Fig. 1) and air in the intrahepatic biliary tract (Fig. 2).

Septic shock was assumed due to an emphysematous cholecystitis (EC) and initiated organ support and antibiotic (meropenem). Emergent surgery was performed with resection of an inflamed gallbladder with multiple gallstone. Blood cultures grew *Klebsiella pneumoniae*. Unfortunately, the patient didn't survive.

EC is an uncommon complication of acute cholecystitis, occurring in 1-4%. Despite having a very similar

Figure 1 Axial Abdominal computed tomography presented gas in the wall of the gallbladder with air in the lumen.

presentation with uncomplicated cholecystitis, EC has a high risk of perforation with peritonitis and consequent septic shock. ^{1,2} Mortality is around 15–25%. ¹ Image evaluation is essential to early diagnosis and it is pathogmonic. ³

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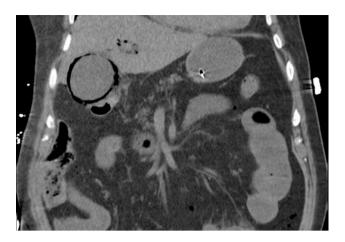


Figure 2 Coronal Abdominal Computed Tomography presented gas in the wall and lumen of the gallbladder and air in the intrahepatic biliary tract.

Conflict of interest

No conflicts of interest to declare.

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