

Clinical Image

Contained Rupture of a Large Hydatid Cyst

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What is your diagnosis?

A 15 -year-old woman with a history of pollen allergy and consumption of vegetables from a rural area was admitted to our hospital emergency presenting generalized itching and abdominal pain. The blood tests only revealed 17,710 leucocytes/mcl with 13% eosinophils and immunoglobulin E 5000 KUI/L. An abdominal ultrasound and computed tomography were performed. The findings were compatible with a contained rupture of a large liver hydatid cyst (Figures 1,2) [1,2]. She was admitted to intensive care and urgent partial pericystectomy with previous cyst sterilization with hypertonic saline solution was performed [3]. Evolution was satisfactory undergoing treatment with albendazole. The hydatid serology test was positive.



Figure 1: The abdominal ultrasound showed an anechoic (cystic) lesion with membranes floating on the cyst fluid. Within the clinical context referred previously, such image is compatible with a cyst type 3 of International classification of ultrasound images in cystic echinococcosis [1].

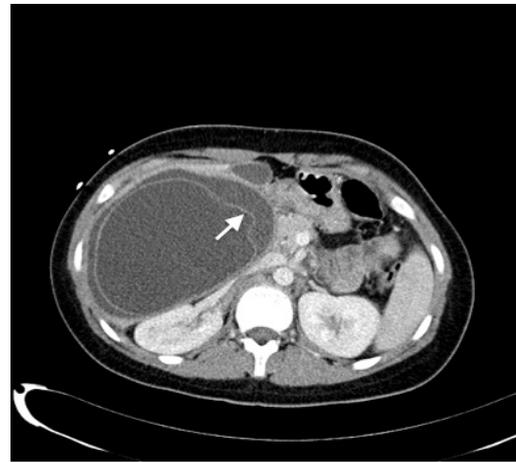


Figure 2: The abdominal computed tomography with intravenous contrast scan revealed a cystic lesion in liver segments V and VI (148X 100 mm) with a curvilinear linear image inside it (arrow) that corresponds with the endocyst detachment.

Our case reveals that, besides the direct or communicating breakage, the contained rupture of a hydatid cyst should be diagnosed and treated also with priority, in order to avoid open rupture and development of anaphylactic shock [4].

References

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