

## Case Report

# Hepatobiliary Cystadenoma Mimicking Liver Hydatid Cyst

Bitra Geramizadeh MD<sup>1</sup>, Maryam Asadian MD<sup>1</sup>, Mohammad Hassan Hourang MD<sup>2</sup>

### Abstract

Hepatobiliary cystadenoma is a rare tumor which is difficult to diagnose before surgery and pathologic examination. Herein we present the case of a 32-year-old woman from an endemic area for hydatid cysts who presented with the impression of hydatid cyst of the liver, which was completely resected. Histopathologic examination revealed a mucinous hepatic cystadenoma with ovarian-like stroma. She had an uneventful postoperative course and now, after one year, she is doing well.

**Keywords:** hepatobiliary cystadenoma, hydatid cyst, liver

### Introduction

**H**epatobiliary cystadenoma is a rare epithelial tumor of the liver.<sup>1</sup> This cystic tumor represents less than 5% of the hepatic cystic tumors that are of biliary origin.<sup>2</sup>

Hepatobiliary cystadenoma with mesenchymal ovarian type stroma is less common and occurs exclusively in females.<sup>3</sup>

Herein we report an unusual case that presented in an endemic area for hydatid cyst, which was operated with the clinical and paraclinical impression of hydatid cyst.<sup>3</sup>

### Case Report

A 32-year-old woman presented with flank pain. She was found to have a hepatic cyst by sonography in the medial segment of the left hepatic lobe, which measured 70 mm in diameter (Figure 1) and was confirmed by CT scan (Figure 2).



**Figure 1.** Sonography of the hepatic mass

**Authors' affiliation:** <sup>1</sup>Transplant Research Center, Pathology Department, Shiraz University of Medical Sciences, Shiraz, Iran, <sup>2</sup> Department of Surgery, Fassa University of Medical Sciences, Fassa, Iran.

**Corresponding author and reprints:** Bitra Geramizadeh MD, Transplant Research Center, Department of Pathology, Shiraz University of Medical Sciences, Shiraz, Iran. P.O. Box: 71345-1864, Telefax: +98-711-647-4331, E-mail: geramib@sums.ac.ir  
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- 691 – 697.
5. Pedram-Canihac M, Le Bail B, Rivel J, Blanc JF, Saric J, Bioulac-Sage P. Hepatobiliary cystadenoma with mesenchymal stroma: a hormonal dependant tumor. Report of five cases with immunohistochemical study of hormone receptors. *Ann Pathol.* 2000; **20**: 14 – 18.
  6. Wheeler DA, Edmonson HA. Cystadenoma with mesenchymal stroma (CMS) in the liver and bile ducts. A clinicopathologic study of 17 cases, 4 with malignant change. *Cancer.* 1985; **56**: 1434 – 1445.
  7. Akwari OE, Tucker A, Seigler HF, Itani KM. Hepatobiliary cystadenoma with mesenchymal stroma. *Ann Surg.* 1990; **211**: 18 – 27.

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