CASE REPORTS

Case report 1. A 55-year-old man with a history of previous splenectomy presented with complaints for persistent unexplained fever and weight loss. Abdominal ultrasound showed a nodular lesion of 27 mm in the right lobe. A contrast-enhanced computed tomography (CT) exam identified multiple peritoneal nodules with marked enhancement (Fig. 1). Based on imaging features and the history of splenectomy, the diagnosis of splenosis was suggested. However, exploratory laparotomy was performed. Splenosis was confirmed. Clinical manifestations subsequently disappeared.

Case report 2. A 37-year-old man presented with episodes of periumbilical abdominal pain associated with weight loss for about one month. His past medical history included splenectomy. Contrast-enhanced abdominal CT study showed multiple possibly liver and peritoneal lesions, which showed a hypervascular behaviour compared with liver parenchyma in the arterial phase and same density as the parenchyma in the venous phase. A magnetic resonance exam confirmed the location of lesions and a dynamic behavior different to the hepatic parenchyma (Fig. 2). A technetium (Tc) 99m-labeled heat-denatured erythrocytes scintigraphy confirmed the diagnosis (Fig. 2).

DISCUSSION

Splenosis is defined as the heterotopic location of splenic tissue in the abdominal cavity or other atypical location (1-5). Up to 67% of patients with splenic rupture develop splenosis implants (1-3). Compared with normal spleen, these implants have a discreetly different architecture with...
plenty of red pulp and little white pulp (1-5). However, its functionalism is similar, eliminating the aged blood cells and maintaining normal immunological function (2-5). Splenosis implants show a non-specific clinical, being in most cases as an incidental finding on imaging tests (1-4). They can be confused with other entities including peritoneal carcinomatosis, endometriosis, and metastatic disease (1-5). The history of splenectomy together with the anatomical distribution and the dynamic behavior of these lesions on contrast-enhanced imaging studies may suggest this entity. Tc 99m-tagged heat-damaged red blood cell scintigraphy is the best imaging technique in order to establish the final diagnosis, avoiding unnecessary biopsies or surgeries (1-5).

REFERENCES