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Derneği



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Littoral Cell Angioma of the Spleen

ÇİĞDEM SERCAN¹, ÖZLEM ÖZEN¹, ALİ AYHAN²

¹ Department Of Pathology, School Of Medicine, Baskent University

² Department Of Obstetrics And Gynecology, School Of Medicine, Baskent University

Introduction:

Littoral cell angioma is a rare vascular tumor of the splenic red pulp, and is typically an incidental finding on abdominal imaging. Diagnosis is made by histopathology after splenectomy.

Case report:

A 49-year-old woman who had been diagnosed with high grade serous carcinoma of ovary 8 months ago. Physical examination was normal. The computed tomography (CT) scan of the abdomen showed multiple solid nodules within the spleen, the largest of which was 26 mm. Diagnosis considers high possibility of LCA. Total splenectomy, appendectomy and peritoneal biopsy were performed. The spleen weighed 229,5 g and measured 12,5x9,5x4 cm. The cut surface of the spleen showed a grayish-red nodule with sponge-like vascular spaces measuring 3x2 cm. Histopathologically the lesion consisted of anastomosing narrow vascular channels resembling splenic sinusoids. The channels had irregular lumina, with pseudopapillary pattern and cyst-like spaces, which were lined with endothelial cells that shaped tall, cuboid or elongated. The immunohistochemical profile of the lining cells is characterized by coexpression of both macrophage markers (CD68), and some vascular endothelial markers (FVIII and CD31). The histological and immunohistochemical results confirmed the diagnosis of LCA consistently.

Conclusion:

Littoral cell angioma (LCA) is a rare benign vascular lesion of the spleen and originates from the cells lining the splenic sinusoids called littoral cells and shows the features of combined endothelial and histiocytic differentiation. Definitive diagnosis of LCA is based on the morphological and immunohistochemical findings that differentiate it from other vascular lesions of the spleen, including splenic hamartoma, hemangioma, lymphangioma, angiosarcoma, and littoral cell angiosarcoma. Recent reports describe LCA as being associated with neoplasms of the colon, kidney, pancreas, lung and ovary. In view of these findings, visceral neoplasm should be ruled out in all LCA patients.

Anahtar Kelimeler : littoral cell angioma, spleen, vascular lesion