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Granular cell tumor of the breast: report of a case.

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Abstract

A case of granular cell tumor of the breast in a 43-year-old woman is described. The patient presented with a painless mass in the upper-outer quadrant of her right breast. Mammography showed a spiculated tumor and ultrasonography demonstrated a hypoechoic mass with an irregular border. Magnetic resonance (MR) mammography revealed a homogeneous enhanced mass in T1-weighted images using Gd-DTPA and a ringed high-intensity area around the mass in T2-weighted images. Fine-needle aspiration cytology failed to show any malignant cells. A partial resection of the breast was performed and histological examination revealed a granular cell tumor. Granular cell tumors are generally always benign, but they may be misdiagnosed as malignant tumors because of their mammographic and ultrasonographic findings. MR mammography did not reveal a typical breast cancer in either T1- or T2-weighted images in the present case. This case illustrates the need for care in preoperative examinations in order to avoid overdiagnosis of breast cancer.

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