Ultrasound findings in invasive breast CA link to histopathology

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(HealthDay)—Histopathologic patterns and biomarkers for invasive breast cancer correlate with differences in findings on sonographic (US) imaging, according to a study published in the January issue of the *Journal of Clinical Ultrasound*.

Melania Costantini, M.D., from the Brotzu Hospital in Cagliari, Italy, and colleagues examined the putative correlations between invasive breast cancer US findings and histopathologic patterns and biomarkers. They evaluated 100 women with invasive breast cancer. Hard copies of US examinations performed during US-guided biopsy procedure were evaluated by two experienced breast radiologists. They compared US characteristics with histopathologic features and biomarkers.

The researchers observed correlations for low-grade tumors with

spiculated margins (P = 0.002) and hyperechoic halos (P

"Histopathologic patterns and breast cancer biomarkers determine differences in US imaging that can guide radiologists in better understanding the development of breast cancer and its prognosis," the authors write.

More information: Abstract
Full Text (subscription or payment may be required)