

# 彩色多普勒超声在诊断致密型乳腺癌患者术后对侧乳腺癌中的价值

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**Title:** The value of color doppler ultrasound in the diagnosis of contralateral breast cancer in patients with dense breast and history of breast cancer

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**关键词:** 对侧乳腺癌; 超声; 钼靶; 致密乳腺; BI-RADS

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**摘要:** 目的:探讨彩色多普勒超声检查在提高致密型乳腺癌患者术后对侧乳腺癌(contralateral breast cancer,CBC)检出率中的应用价值。方法:对我院乳腺癌患者行术后常规乳腺超声及钼靶检查,229名患者考虑对侧乳腺病变,根据腺体含量对其进行分型,并应用BI-RADS分级对病变进行评估。结果:超声诊断CBC的特异性、准确率与阳性预测值均明显好于钼靶检查,致密型乳腺钼靶CBC检出率明显下降,超声检查CBC检出率明显增高,BI-RADS 4A与4B分级中脂肪型及少量腺体型乳腺钼靶CBC的检出率明显高于超声检查,BI-RADS 4C与5分级中,乳腺分型对超声及钼靶筛查CBC的结果影响不大。结论:超声及钼靶的联合检查在CBC的检出中发挥重要作用,而乳腺分型与BI-RADS分类诊断对乳腺肿瘤的临床诊断效能和应用价值意义重大。

**Abstract:** Objective:To explore the value of color doppler ultrasonography in improving the detection rate of contralateral breast cancer after operation in patients with dense breast cancer.Methods:All patients with a personal history of breast cancer underwent mammography and breast US.229 patients considered breast lesions and classified according to breast density.BI-RADS categories were given for mammography and US-detected lesions in the contralateral breast.Results:The specificity,accuracy and positive predictive value of CBC were significantly better than mammography.Cancer detection rate by mammography decreased obviously in dense breasts,and the CBC detection rate of ultrasound was obviously increased.Cancer detection rate of CBC in the low-density breast by mammography in BI-RADS 4A and 4B was significantly higher than that of ultrasound.However,breast classification has little influence on the results of ultrasound and mammography in the BI-RADS 4C and 5 classification.Conclusion:The joint inspection of ultrasound and mammography play an important role in the detection of CBC,and the diagnosis of BI-RADS classification and breast typing is significance in the clinical diagnosis and application value of breast tumors.

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