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乳腺高频彩色多普勒超声检查中应用BI-RADS分级诊断标准对乳腺疾病的诊断价值

Diagnostic value of high-frequency color Doppler ultrasonography with BI-RADS lexicon for breast diseases

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中文摘要:

目的 探讨在高频彩色多普勒超声检查中应用BI-RADS分级诊断标准诊断乳腺疾病的价值。方法 采用高频彩色多普勒超声对66例乳腺疾病患者进行双侧乳腺检查,并采用BI-RADS分级诊断标准进行评价。对超声评价BI-RADS 3~5级的62例患者(共79个病灶)对照组织病理学分析不同BI-RADS分级乳腺病变的高频彩色多普勒超声特点,并探讨其与组织病理学诊断的关系。结果 79个病灶中,BI-RADS 3级29个,组织病理学证实良性22个(75.86%),恶性7个(24.14%);BI-RADS 4级23个,组织病理学证实良性3个(13.04%),恶性20个(86.96%);BI-RADS 5级27个,组织病理学证实良性为0(0),恶性27个(100%)。应用BI-RADS分级标准进行评价,BI-RADS分级3~5级乳腺病灶在边缘、边界、后方回声、周围组织改变、钙化、病变内有无血管、血流阻力指数及有无特殊病例方面差异均有统计学意义。结论 在乳腺高频彩色多普勒超声检查中,应用BI-RADS分级诊断标准对乳腺疾病的临床诊治具有重要的指导价值。

英文摘要:

Objective To explore the diagnostic value of high-frequency color Doppler ultrasonography with BI-RADS lexicon for breast diseases. **Methods** A total of 66 patients underwent bilateral breast examination with high-frequency color Doppler, and the results were evaluated with BI-RADS lexicon. Sixty-two patients (79 breast lesions) with BI-RADS grade 3—5 were evaluated. The diagnostic characteristics of high-frequency color Doppler ultrasonography about breast lesions with different BI-RADS were analyzed, as well as the relationship with histopathological diagnosis. **Results** In all 79 breast lesions, 29 were BI-RADS grade 3, and histopathology confirmed 22 (75.86%) were benign, 7 (24.14%) were malignant. Twenty-three breast lesions were BI-RADS grade 4, and histopathology confirmed 3 (13.04%) were benign, 20 (86.96%) were malignant. Twenty-seven lesions were BI-RADS grade 5, and all the lesions were malignant confirmed with histopathology (100%). Statistical difference was found between BI-RADS grade 3, 4, 5 in margin, lesion boundary, posterior acoustic feature, the changes of surrounding tissue, calcification in mass, vascularity in lesion, blood flow resistance index (RI) and special patients. **Conclusion** BI-RADS lexicon has an important guiding value for clinical diagnosis and treatment of breast diseases in the high-frequency color Doppler ultrasonography.

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