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Specialty : Breast

Lecture Title : Non-Mass Lesions Detected at Screening US

The concept of nonmass lesions is currently not incorporated into the American College of Radiology Breast Imaging Reporting and Data System (BI-RADS) lexicon for ultrasound (US). While there is no standardized definition or guideline for interpreting nonmass lesions, abnormalities observed on breast US images which do not meet the criteria of a mass are generally referred to nonmass lesions in the literature. These features have been described for both screening and diagnostic US. The reported incidence of nonmass lesions at screening breast US is low, ranging 1.0% to 5.3%. A broad spectrum of benign and malignant conditions can manifest as nonmass lesions on US, and it is necessary to consider that approaches and the probability of malignancy for nonmass lesions may differ across different clinical contexts. In this presentation, the current literature on nonmass lesions detected at screening US will be reviewed, including interpretation algorithms and management recommendations based on imaging features.