



Rad to Rad Learning: Hyperechoic Breast Lesions

The Radiology Partners (RP) Breast Imaging National Subspecialty Division (NSD) presents our newest Rad to Rad Learning case.

Peer Learning Opportunity



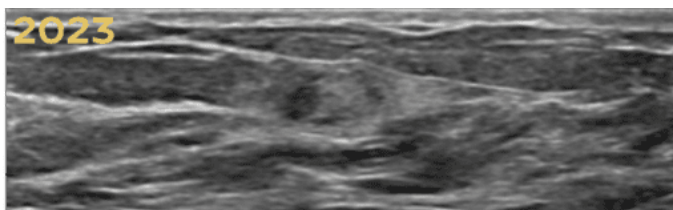
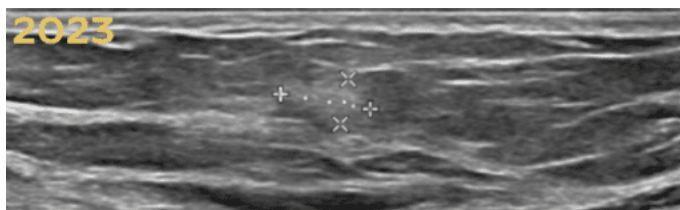
Hyperechogenicity is typically associated with benign breast lesions, including hamartoma, lipoma, angioliipoma, hemangioma, hematoma, fat necrosis, fibrosis, and galactoceles. However, some rare malignant lesions may also appear hyperechoic.

Presents with palpable mass

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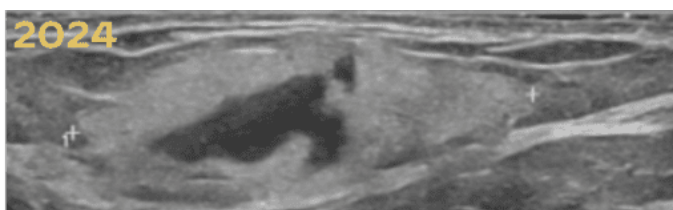
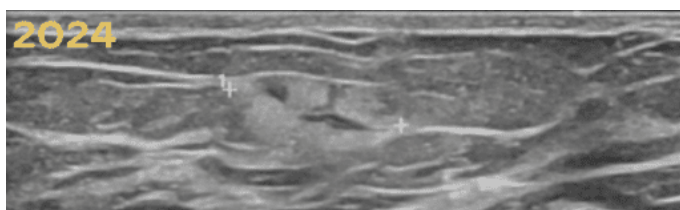
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Misdiagnosed as fat necrosis

Presents with new bruise

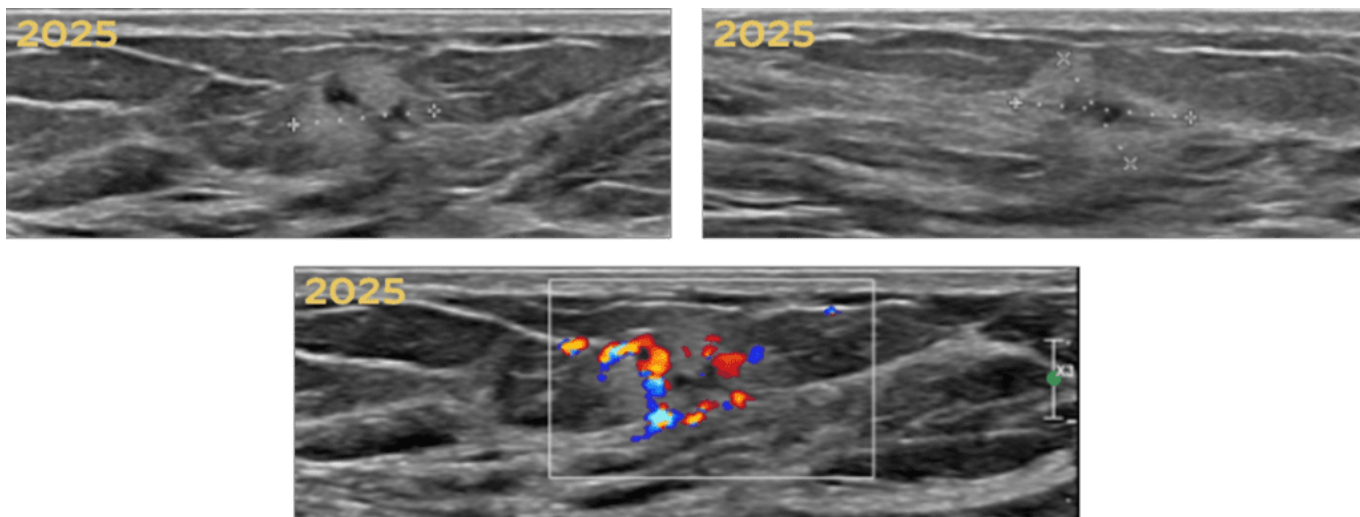


Misdiagnosed as hematoma

Hyperechoic Breast Lesions

Presents with persistent palpable concern

Biopsy-proven Invasive Lobular Carcinoma



Watch for subtle, suspicious features like irregular shape, non-circumscribed margins, non-parallel orientation, or posterior acoustic shadow.

Shared to improve patient safety and healthcare delivery in the provision of radiology services. The circumstances and facts are changed, altered, or deidentified to preserve confidentiality. Privileges have not been waived.

Practical Insights

- **Don't dismiss a lesion simply because it is hyperechoic. Correlate US findings with other modalities and the patient's clinical history.**
- **Consider specific histologies, not only invasive ductal or lobular carcinomas.**
- **Rare cancers like angiosarcoma, lymphoma, and metastases can also present.**
- **Don't hesitate to recommend a biopsy for suspicious lesions. Do not rely solely**

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on the hyperechoic appearance to rule out malignancy.

- **Contrast-enhanced mammography is a promising alternative for dense breasts.**



Hyperechoic breast lesions are not always benign.

The Breast Imaging National Subspecialty Division (NSD) is part of [RP's Clinical Value Team](#), which works to elevate patient care and enhance value through innovation, collaboration and education. To advance this goal, our radiologists and advanced practice providers are committed to sharing peer learning as valuable reminders and insights about what we encounter in our day-to-day practice. Check back here and on [X](#), [LinkedIn](#) and [Instagram](#) to see these common cases and our findings.

Visit the [Clinical Resources page](#) for more cases and to see what we've developed to enhance best practice recommendations, elevate image quality and patient care and update current standards throughout RP's network of practices, all to deliver excellent radiology services to patients, referring clinicians and client partners.



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