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The imaging characteristics of breast cancer in general have been studied for a long time, which has enabled us to differentiate benign from malignant tumors with some certainty, as outlined in the current...  
Cited by: 67 Author: Abid Irshad, Rebecca Leddy, Etta Pisano, N...  
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(PDF) Predicting Molecular Subtypes of Breast Cancer with ...

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We studied the correlation of sonographic and digital mammographic features with molecular classification of breast cancer. **Imaging** features from 313 patients with preliminary ultrasound and digital **mammogram** between November 2017 and May 2020 were compared with histopathology and immunohistochemical analysis for the prediction of molecular classification of breast cancer. We also devised a score called "sono-mammometry" score consisting of few simple imaging features which ca...

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Jul 27, 2020 · Breast cancer is a heterogeneous disease that was explained recently by the presence of multiple molecular subtypes. These subtypes are the luminal A (LA), luminal B (LB), human epidermal growth factor receptor 2 (HER2), and triple-negative...  
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### Assessing the Role of Ultrasound in Predicting the ...

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The mean tumor size was 1.8 ± 1.2 cm. Among these breast cancer patients, 136 (85.0%) had infiltrating ductal carcinoma not otherwise specified (IDC-NOS), and 18 had invasive lobular carcinoma (LUC). Demographic and ultrasound characteristics are listed for the ...  
 Cited by: 65 Author: Abid Irshad, Rebecca Leddy, Etta Pisano, N...  
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PEOPLE ALSO ASK

- How is ultrasonography used to diagnose breast cancer?
- Which is better ultrasonography or magnetic resonance imaging?
- What kind of transducer is used for breast imaging?
- Where can I get a breast ultrasonography done?

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Breast imaging has a dominant role in the detection, staging, and follow-up of patients with breast cancer. ere is a substantial effect on clinical outcome from early rec-ognition of breast cancer [5]. Although histopathological characterization is the gold standard for classifying mo-lecular subtypes of breast cancer after percutaneous breast  
 Cited by: 1 Author: Sana Shaikh, Afshan Rasheed  
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**The Role of Breast Ultrasound in Early Cancer Detection ...**  
<https://www.sciencedirect.com/science/article/pii/S0929644116300686>

Dec 01, 2016 · According to a multicenter trial of combined screening with mammography and US (ACRIN 6666) that reported higher cancer detection in high-risk women who underwent annual ultrasound screening in addition to mammography compared to those that underwent mammography alone, the combined screening detected an additional 4.2 cancers per 1000 women.  
 Cited by: 14 Author: Huay-Den Pan  
 Publish Year: 2016

**PDF | The Role of Ultrasound as a Diagnostic Tool for Breast ...**  
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suggesting that breast ultrasound screening can detect breast cancer in early stages there by having the potential to reduce morbidity and mortality [10]. Using ultrasound as a first line diagnoetic tool was studied by S.R.C. Benson et al. There were 796 patients with confirmed breast cancer in this study.  
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Manuscript NO: 64792

Manuscript Type: ORIGINAL ARTICLE

*Retrospective Study*

**Role of mammogram and ultrasound imaging in predicting breast cancer subtypes in screening and symptomatic patients**

Ian TWM *et al.* Imaging characteristics of breast cancer subtypes

Tay Wei Ming Ian, Ern Yu Tan, Niketa Chotali

**Abstract**

**BACKGROUND**

Breast cancer (BC) radiogenomics, or correlation analysis of imaging features and BC molecular subtypes, can complement genetic analysis with less resource-intensive diagnostic methods to provide an early and accurate triage of BC. This is pertinent

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Jul 27, 2020 · Breast cancer is a heterogeneous disease that was explained recently by the presence of multiple molecular subtypes. These subtypes are the luminal A (LA), luminal B (LB), human epidermal growth factor receptor 2 (HER2), and triple-negative (TN). In this study, we aim to investigate whether ultrasound imaging features can play a role in predicting the molecular subtypes of invasive ductal ...

Author: Lamiaa M. R. Khalaf, Rania A. Herdan Publish Year: 2020

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Cited by: 65

Author: Abid Irshad, Rebecca Leddy, Etta Pisano...

Publish Year: 2013

#### PEOPLE ALSO ASK

Why is mammography used for early detection of breast cancer? ▾

When to use an MRI instead of a mammogram? ▾

How are X-rays transmitted in a mammogram? ▾

When was the use of breast ultrasonography introduced? ▾

Feedback

### Predicting Molecular Subtypes of Breast Cancer with ...

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