Clinical Breast Tomosynthesis

A Case-Based Approach

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Description

Digital breast tomosynthesis (DBT), popularly called "3D mammography" is a state-of-the-art breast imaging technology that provides the ability to view inside the breast, layer by layer. Advantages of DBT include elimination of superimposed tissue, improved detection of otherwise hidden lesions, and significantly higher cancer detection rates compared to conventional mammography.

Although it is increasingly being implemented in imaging centers, hands-on clinical learning tools have been lacking - until now. Written by renowned breast imaging specialists, this multimedia textbook is the most definitive DBT reference available. The first section is dedicated to DBT fundamentals, including physics, reconstruction methods, acquisition parameters, and patient dose and data size considerations. The next two sections are case-based clinical practice presentations, organized by DBT screening and diagnostic components.

Key Features

- The use of 3D breast imaging to detect and differentiate malignancies from normal and benign findings
- 100 case studies include pertinent clinical information, introductory images, and findings labeled on subsequent images with BI-RADS terminology
- Full field digital mammography and/or synthetic 2D mammogram images included in all case studies mirror what is typically encountered in DBT breast-imaging programs
- Clinical pearls on navigating the technology, interpreting images, making diagnoses, and decisions regarding follow-up studies
- Accompanying online videos further elucidate the still images

This remarkable, interactive reference is a must-have for trainee and practicing radiologists and will also benefit mammography

technicians. The detailed case studies and videos demonstrate the full utility of DBT as a screening and diagnostic technology in context with mammography, ultrasound, and MRI of the breast.

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