

عنوان مقاله:

CTLM- Laser Breast Imaging Without Compression

محل انتشار:

نهمین کنگره بین المللی سرطان پستان (سال: 1392)

تعداد صفحات اصل مقاله: 2

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خلاصه مقاله:

During the CTLM procedure, a near infrared laser irradiates the breast & an array of photodiodes detectors records light scattered through the breast tissue. The laser & detectors rotate synchronously around the breast to acquire a series of slice data along the coronal plane. Keywords : breast imaging , optical tomography , laser mammography, Without Compression INTRODUCTION CTLM , an exciting new way of looking at breast abnormalities . CTLM stands for Computed Tomography Laser Mammography and is a method of looking at the blood flow to the breast. Facts About CTLM And Optical Imaging I. CT laser breast imaging is part of the emerging field of optical imaging. II. CTLM images blood flow to the breast and thereby should visualize Tumor Angiogenesis. III. CTLM does not use ionizing radiation (no x-rays). IV. CTLM images through implants and dense breast tissue easily, unlike mammography which has V. difficulty penetrating very dense tissue. There is NO breast compression with CTLM and the breast hangs in .the machine opening in it s VI. natural position. The average scan time is about 10-12 minutes per breast

کلمات کلیدی:

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