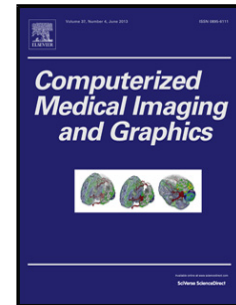


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## Multimodal Ultrasound Computer-Assisted Tomography: an Approach to the Recognition of Breast Lesions

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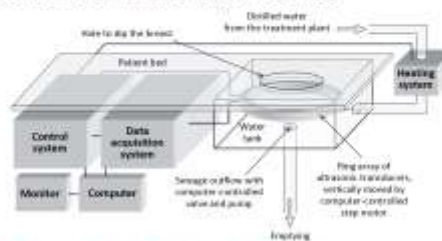
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### GRAPHICAL ABSTRACT

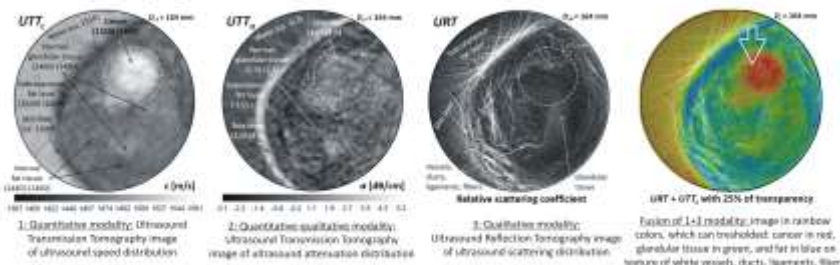
#### 3 Complementary Modalities of Novel Ultrasound Tomography System designed for *in vivo* Breast Screening

##### View and Block Scheme of Elaborated Device



#### Approach to Early Recognition of Breast Lesions

##### Imaging Results of *in vivo* Breast Coronal Section with Cancer



\* Non-invasive \* Harmless \* Painless \* Safe \* Modern method planned for the diagnosis and detection of breast lesions \*  
\* No radiation and contrast agents \* Ability to search for differences in benign and malignant tumors \* Short examination time \*  
Ability to image breast tissue comparable to MRI \* New standard of breast cancer diagnosis \*

### Highlights

- We designed the multimodal ultrasound tomography system for breast diagnosis.
- Our device is one of several unique innovatory devices under development worldwide.

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