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Inventors: Scott Reeder, Roberta Strigel

The Invention

UW-Madison researchers have developed an automated process to accurately quantitate breast density using MR images. The methods assess tissue properties within a region of interest (ROI) using chemical-shift-encoded imaging data of the ROI. The method also includes determining a proton density water fraction (PDWF) map and quantifying tissue properties within the ROI. Utilizing MRI to quantify fibroglandular tissue in the breast allows for three-dimensional volumetric imaging of the entire breast without compression and can provide more accurate measurement of tissue density due to the different relaxation properties of fibroglandular tissue and fat.

Additional Information

For More Information About the Inventors

- Scott Reeder
- Roberta Strigel

Tech Fields

- Medical Imaging : MRI

For current licensing status, please contact Jeanine Burmania at jeanine@warf.org or 608-960-9846