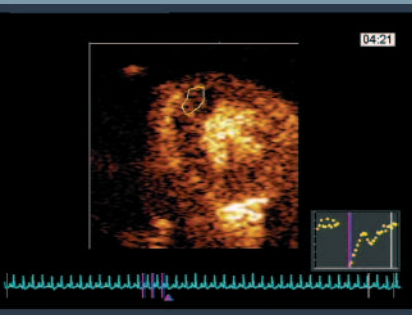


Advanced and Intuitive Contrast Agent Quantification

REAL SOLUTIONS

Understanding challenges
Providing answers
Improving outcomes



syngo® Auto-Tracking Contrast Quantification (ACQ) technology is an advanced quantification tool for dynamic contrast agent intensity analysis across all clinical applications. Using Regions of Interest (ROIs) placed in tissue, syngo ACQ generates Time Intensity Curves (TIC) on contrast agent wash-in. Quantitative assessment of contrast agent appearance or uptake within tissue over time is displayed frame to frame. In addition, syngo ACQ utilizes intuitive onscreen menus that guide users through process steps to reduce complexity and calculation time. This objective analysis increases accuracy, reproducibility and confidence beyond visual assessment.

Highlights

Advanced Assessment

- Uses multiple user-adjustable ROIs to generate TICs
- Converts contrast agent pixel values to mean intensity numerical data
- Provides analysis data in log, antilog, or color pixels
- Reports BI (base intensity), A (amplitude of enhancement), β (beta), GOF (goodness of fit), AT (arrival time), TTP (time to peak), and PI (peak intensity) values

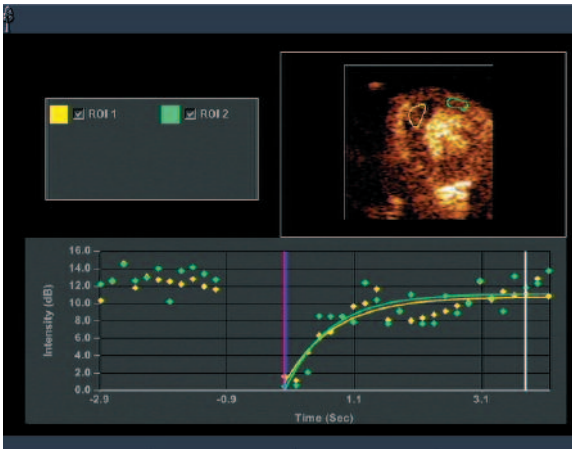
Automated Analysis

- Uses a correlation-based auto-tracking technique to identify tissue motion
- Aligns or registers structures within the image to correct for anticipated tissue movement to improve data accuracy and reproducibility

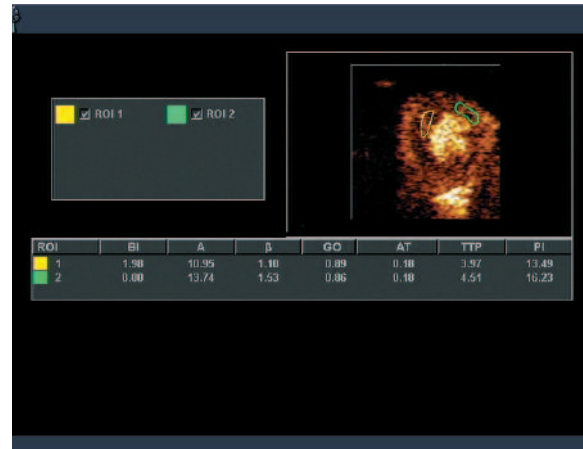
Convenient Operation

- Compatible with Cadence™ coherent contrast imaging technology
- Designed for use with contrast agent infusions
- Time efficient with easy integration into workflow via system presets and automated image alignment
- Offers up to eight user-defined freeform ROIs with editing and manual realignment options
- Provides access during clinical exams in Review and Exam Restart modes or following study close
- Offers data export capability via USB
- Available on the ACUSON Sequoia™ ultrasound system and with syngo® US Workplace

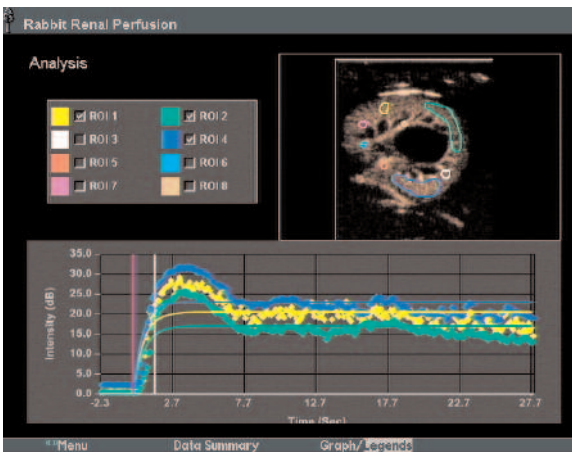
syngo Auto-Tracking Contrast Quantification
Efficient and objective contrast assessment



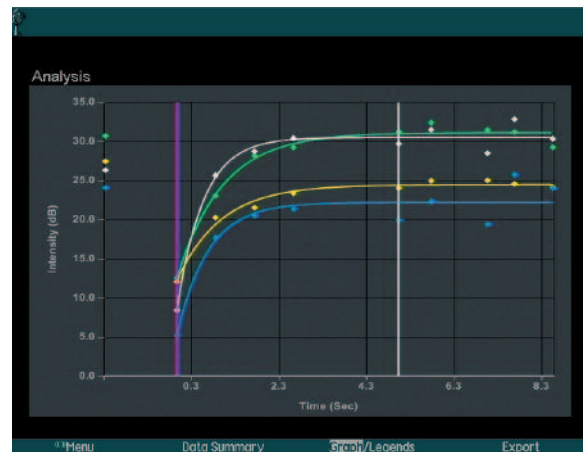
- Mouse heart imaging display multiple ROIs with corresponding refill curves.



- Multiple ROIs with data summary.



- Display of eight ROIs in tissue calculating agent intensity over time.



- Full screen graphic display of contrast agent intensity on fill.

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