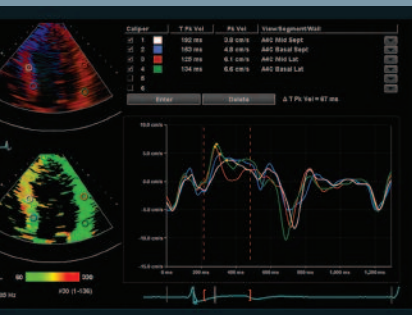


# Tissue Doppler Synchrony Mapping

## REAL SOLUTIONS

Understanding challenges  
Providing answers  
Improving outcomes



With its fast, visual mapping of myocardial timing mechanics, *syngo*<sup>®</sup> Quantitative Synch Tool (QST) technology provides effective ventricular synchrony assessment at the point of care. Quick visual assessment, time to peak calculations and in-depth strain analysis enable accurate identification of cardiac timing issues when dyssynchrony is suspected. In fact, *syngo* QST can be used to effectively monitor and assess heart failure patients through the continuum of care from diagnosis, through treatment and follow-up.

## Highlights

### Convenient

- Enables quick visual assessment through detailed analysis of ventricular synchrony
- Provides access to all calculations and study data at the echocardiography system or off the system on a PC
- Available on select ACUSON™ ultrasound systems or with *syngo*<sup>®</sup> US Workplace

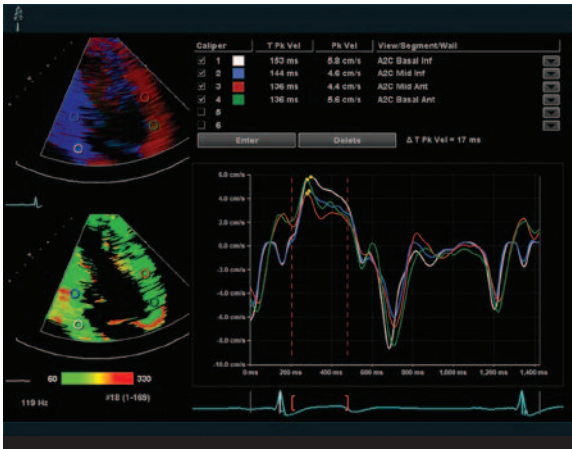
### Empowering

- Provides effective screening assessment for patient management decisions using high frame rate harmonic Doppler tissue velocity
- Highlights dyssynchronous wall movement with a Red/Green synchronization display
- Enables time-to-peak, velocity, strain, strain rate and displacement calculations for detailed analysis when dyssynchrony is suspected
- Provides functional assessment information in both parametric and curve displays

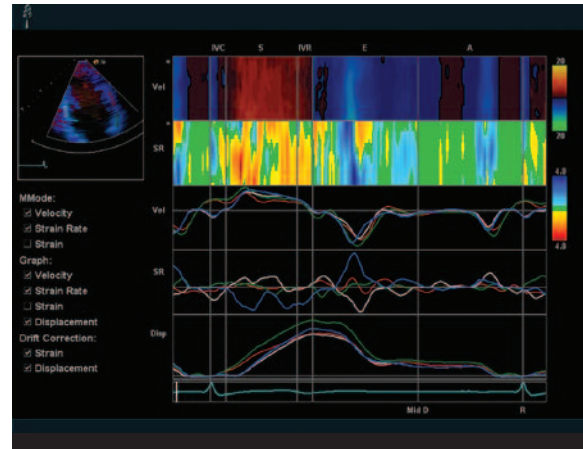
### Intuitive Operation

- Streamlines procedures with an efficient, easy to use interface
- Automatically calculates time markers based on age and sex for a more complete picture of related timing events
- Enables editing of auto-time markers based on specific hemodynamic data

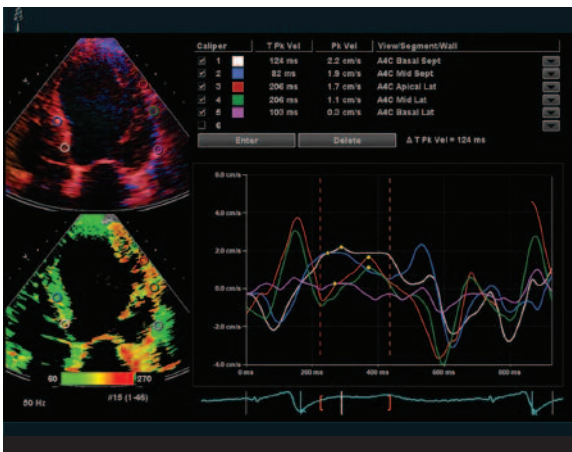
**syngo Quantitative Synch Tool**  
Color-coded clarity. Visual assessment.



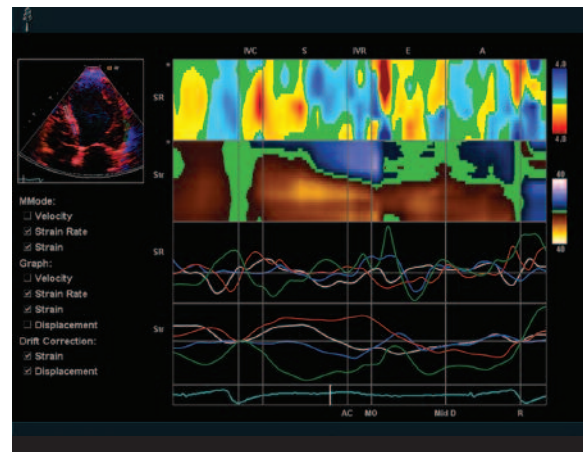
- Apical two chamber view with multiple regions of interest (ROI) in opposing wall segments.



- Parametric velocity and strain rate display with associated quantitative graphic analysis.



- (A) Abnormal opposing wall segments are recognizable and display graphic disorder of the apical lateral wall.



- (B) Strain and strain rate graphics displaying detailed analysis of the user-defined ROIs in the same patient study.

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