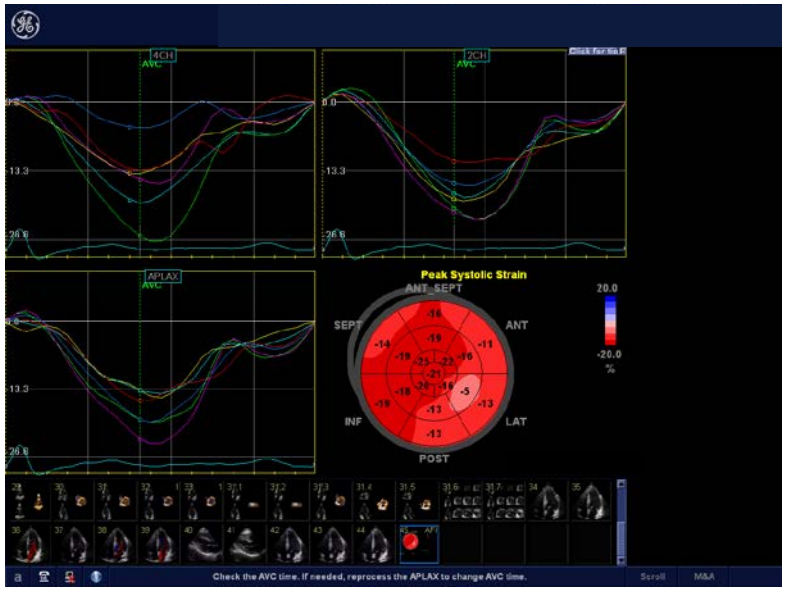
Our innovation – Automated Function Imaging (AFI)

The technology

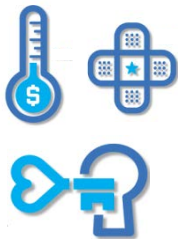
AFI is a software tool that assesses and quantifies left ventricle function. This allows the reading of cardiovascular ultrasounds to shift from subjective expert evaluation to quick quantitative assessment.

The benefits

- AFI has the potential to reduce costs by 1) replacing procedures with a higher Medicare cost[1], 2) reduce length of hospital stays[2]
- AFI has demonstrated potential in predicting mortality versus standard echo methods in patients with known or suspected LV impairment[3], and showed potential in predicting cardio toxicity in chemotherapy patients[1]
- AFI has potential to increase access to intervention for high risk asymptomatic AS patients as an alternative to exercise ECG, being an alternative in patients who cannot exercise[4,5]



Automated Function Imaging



Cost: 46% cost reduction in assessment of viability compared with SPECT when comparing average Medicare costs.

Quality: Potential in predicting mortality in patients with suspected LV impairment compared to Ejection Fraction and Wall Motion Score Index respectively.
Potential in prediction of cardiotoxicity in chemotheraphy patients.

Access: AFI is an alternative for high risk asymptomatic patients who cannot perform exercise testing.

Oxford Analytica validated

References

1. Sawaya et al., Early detection and prediction of cardiotoxicity in chemotherapy-treated patients. Am J Cardiol. 2011; 107:1375-1380

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3. Stanton T, Leano R, Marwick TH , 'Prediction of all-cause mortality from global longitudinal speckle strain: Comparison with ejection fraction and wall motion scoring', Circulation: Cardiovascular Imaging, 2009; 2: 356-364.

4. Sicari R, Nihoyannopoulos P, Evangelista A, Kasprzak J, Lancelotti P, Poldermans D, Voigt J-U, Zamorano JL, 'Stress echocardiography expert consensus statement.' European Journal of Echocardiography, 2008; 9: 415-37; and http://www.healthcommunities.com/aortic-stenosis/index.shtml

5. Lafitte S, Perlant M, Reant P, Serri K, Douard H, DeMaria A, Roudaut R. "Impact of impaired myocardial deformations on exercise tolerance and and prognosis in patients with asymptomatic aortic stenosis, European Journal of Echocardiography, 2009; 10: 414-9.