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.

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


