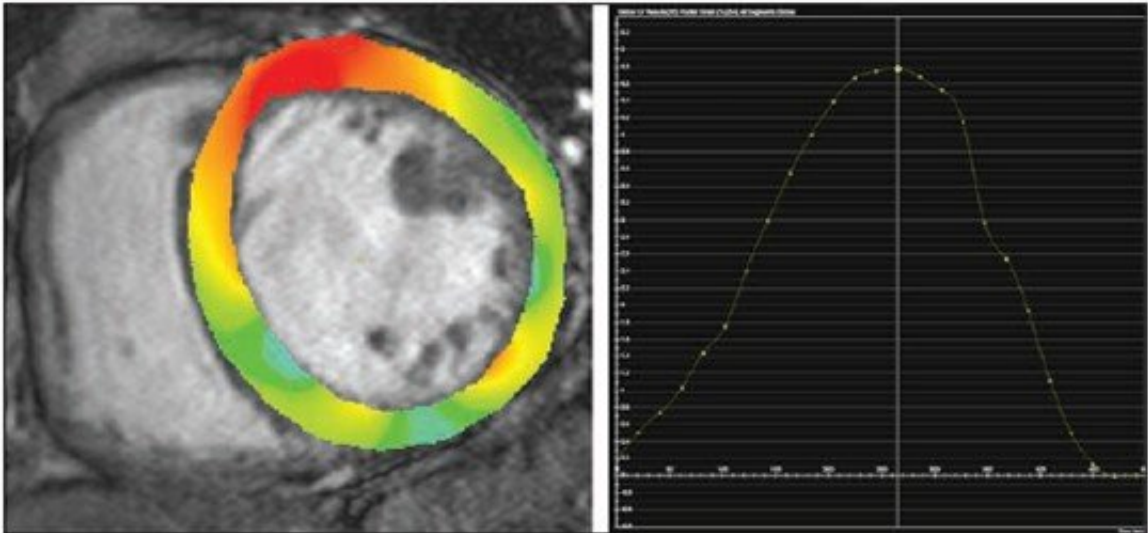
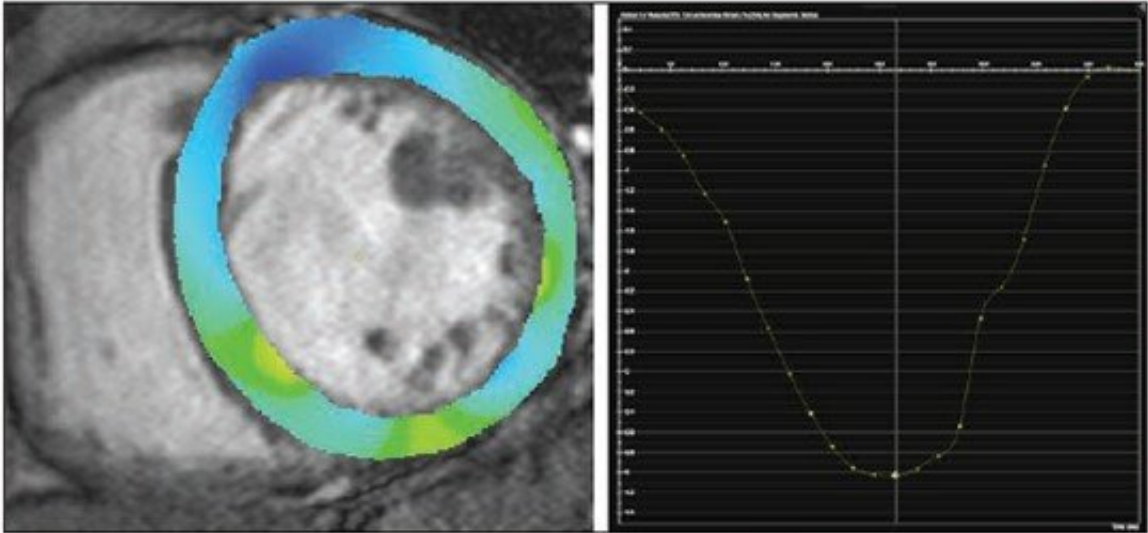


Myocardial strain parameters on MRI in patients with dilated cardiomyopathy

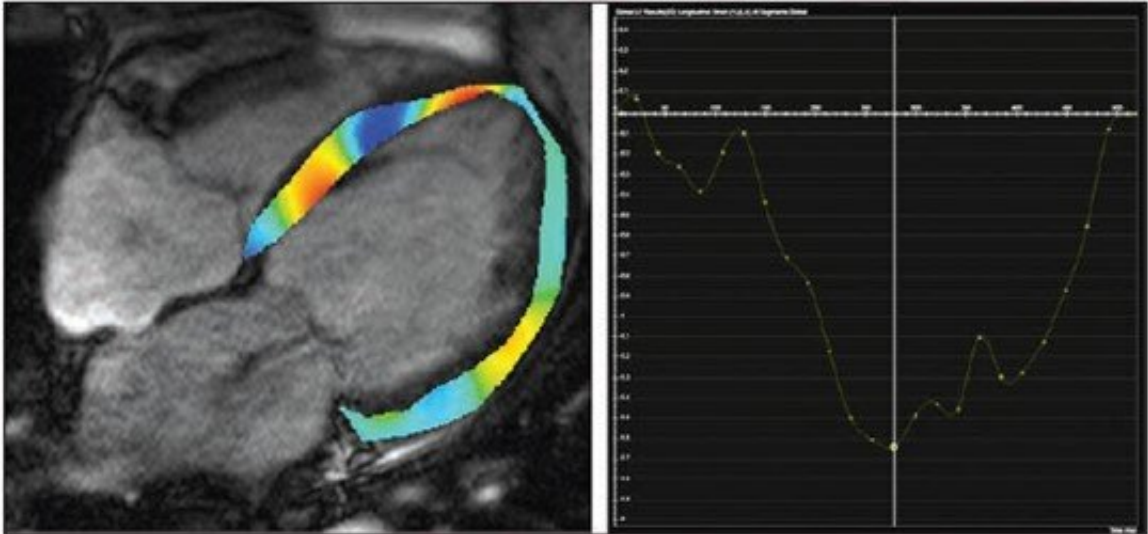
November 9 2022



A



B



C

A. Radial strain overlay on short-axis cine image and corresponding graph show global radial strain measurement, yielding value of 10.8%. B. Circumferential strain overlay on short-axis cine image and graph show global circumscribed strain measurement, yielding value of -8.5%. C. Longitudinal strain overlay on 4-chamber cine image and graph show global longitudinal strain measurement, yielding value of -10.7%. Global longitudinal strain measurement indicates lesser myocardial strain. Patient did not experience major adverse cardiovascular event after 3 years of follow-up. Credit: ARRS/AJR

According to an accepted manuscript published in ARRS' *American Journal of Roentgenology (AJR)*, left ventricular global longitudinal strain—derived from feature tracking on cardiac MRI—is a significant independent predictor of adverse outcomes in patients with dilated cardiomyopathy.

"This study strengthens the body of evidence supporting the clinical implementation of feature tracking when performing cardiac MRI in [patients](#) with dilated cardiomyopathy," wrote corresponding author Dr. Ming-Yen Ng from the department of diagnostic radiology at the University of Hong Kong.

In this *AJR* accepted manuscript, 471 patients (365 men, 106 [women](#); [median age](#), 61 years) with ischemic (n=233) or nonischemic (n=238) dilated cardiomyopathy and left ventricular ejection fraction

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