The MyoStrain Report

Simplifying a Comprehensive Report into a Single Metric

The number of abnormal segments, which is used to calculate the % of normal segments

LV Segments (37/37 Segments Analyzed)

- Number of Impaired Segments (> -10%): 5
- Number of Abnormal Segments (> -17%): 18

Percent Normal Myocardium

The percent of normal segments is the number of normal LV segments divided by the 37 total LV segments

(% Normal Segments ≤-17%) [1]

Regional MyoStrain Measurements

Longitudinal Strain

- RV Longitudinal Strain
- LV Longitudinal Strain

Circumferential Strain

- RV Circumferential Strain
- LV Circumferential Strain

Global MyoStrain Measurements

Strain Measures

- LV Global Longitudinal Strain (GLS)
- LV Global Circumferential Strain (GCS)
- RV Global Longitudinal Strain (GLS)
- RV Global Circumferential Strain (GCS)

Traditional Measures

- LV EF
- LV Mass
- LV Ejection Fraction
- LV Stroke Volume

Visual representation of segmental strain values (blue=normal, green=abnormal, yellow=impaired)

Abnormal segments (> -17%) are identified in bold

Impaired segments (> -10%) are identified in red

Longitudinal strain values are calculated for each segment of the LV & RV

Circumferential strain values are calculated for each segment of the LV & RV

Global strain data for the RV & LV

Traditional metrics for evaluating cardiac function

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About the Report

The MyoStrain report provides a single, standardized metric based on the percentage of normal myocardial segments.\(^1\)

This unique standardized metric can be plotted on MyoStrain’s progressive dysfunction curve to help physicians understand the patient’s heart function and monitor the patient’s progression over time.\(^2\)\(^3\)

REFERENCES