Title          “MRI Detection of Arrhythmic Substrate”

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Objectives
- To demonstrate that myocardial contrast enhancement by MRI detects regions of scar or fibrosis in cardiomyopathies.
- To demonstrate that identification and quantification of such regions of myocardial hyperenhancement in ischemic and non-ischemic cardiomyopathies are associated with ventricular irritability and abnormal electrophysiologic properties.
- To demonstrate that identification and quantification of such regions of myocardial hyperenhancement in ischemic and non-ischemic cardiomyopathies may predict adverse cardiovascular outcome better than existing clinical risk stratifiers.

Brief Description
In this presentation, the ability of contrast-enhanced MRI to identify regions of prior myocardial infarction and myocardial fibrosis will be demonstrated. The increasing scientific evidence suggesting that identification and quantification of such regions are associated with arrhythmic substrate and adverse clinical outcome will be reviewed in detail.

References
SYLLABUS


