Multiscale Modeling of Inherited Cardiomyopathies and Therapeutic Interventions
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• Outline

• Unique aspects
  • Model the effects of two pharmaceutical treatments in clinical trial.
  • Model the effects of genetic mutation that causes HCM.
• Example Model Output and Comparative Metric

• Organ level functional comparison between Model and MRI results

• Compare the functional effects of genetic mutation or treatment to control

Circumferential Strain distribution