

In-Silico Prediction of Catheter Ablation Targets for Post-Infarct Ventricular Tachycardia

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Abstract: Catheter ablation of VT remains a highly sub-optimal clinical procedure, with long procedure times and high VT recurrence rates. Computational approaches, using image-based anatomical models along with virtual arrhythmia induction protocols, have suggested the opportunity to perform in-silico pre-procedural ablation target guidance. In this presentation, I will present the current state-of-the-art approaches, as well as introduce two distinctly different and novel techniques for in-silico ablation target guidance currently being pursued with my collaborators.