

Clinical, Electrocardiographic, and Cardiac Magnetic Resonance Imaging Risk Factors Associated with Ventricular Tachyarrhythmias in Nonischemic Cardiomyopathy (MARVEN Study)

Status: Recruiting

Eligibility Criteria

Age: 18 years and over

This study is NOT accepting healthy

Healthy Volunteers: volunteers

Inclusion Criteria:

1. At least 21 years of age 2. Diagnosed with nonischemic dilated cardiomyopathy (NICM) 3. On optimal medications for management 4. If a cardiac defibrillator hasn't been implanted, must be willing to have a cardiac defibrillator implanted within 3 months of study enrollment 5. If a cardiac defibrillator has been implanted, it must be more recent than July 1, 2018

Exclusion Criteria:

1. Nonischemic cardiomyopathy due to other known causes such as amyloidosis, sarcoidosis, cardiotoxicity due to chemotherapy, hypertrophic cardiomyopathy, 2. History of prior myocardial infarction, percutaneous coronary intervention, or coronary bypass grafting 3. History of ablation to treat ventricular fibrillation

Conditions & Interventions

Conditions:

Heart & Vascular

Keywords:

Clinics and Surgery Center (CSC), Implantable cardioverter defibrillator (ICD), Nonischemic dilated cardiomyopathy (NICM)

More Information

Description: The specific aims of the trial are to prospectively study nonischemic cardiomyopathy patients qualified for CRT-D following currently approved standard indications in order to: 1) Validate the MADIT-CRT-derived model predicting fast VT/VF in nonischemic cardiomyopathy patients with QRS \geq 120 ms. 2) Determine whether CMR added to the risk model validated in specific aim 1 will further improve risk stratification for predicting fast VT/VF in nonischemic cardiomyopathy patients with QRS \geq 120ms. 3) Evaluate costs of risk stratification with Holter and CMR in relationship to costs of implanted devices without risk stratification.

Contact(s): Julie Dicken - dicke022@umn.edu

Principal Investigator: Chetan Shenoy

IRB

Number: STUDY00007420

System ID: 25673

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