

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

Status: Recruiting

Eligibility Criteria

Sex: Male or Female

Age Group: 18 years and over

This study is NOT accepting healthy 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:

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

More Information

Description: The purpose of this study is to determine what clinical, electrocardiogram, and cardiac magnetic resonance imaging factors identify patients at risk for developing rapid irregular heartbeats requiring therapy by implantable defibrillator. We expect that participation will last for up to 4 years. The procedures will include wearing a heart monitor (Holter) for 24 hours, obtaining a blood sample for markers of heart disease, and having a cardiac magnetic resonance examination with contrast – a substance given intravenously to make the images better, prior to defibrillator implant. After the initial visit, participation will not require any additional visits since information about the clinical course will be acquired from medical records.

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