

EXercise Cardiac Magnetic Resonance Assessment of Left Atrial Mechanics Following Ablation

Status: RECRUITING

Eligibility Criteria

Age: 18 years and over

This study is NOT accepting healthy

Healthy Volunteers: volunteers

Inclusion Criteria:

* Age \geq 18 years * Diagnosis of paroxysmal AF * Left ventricular ejection fraction \geq 50% * Scheduled for catheter ablation * Able to speak, hear, and read English * Willing and able to provide informed consent

Exclusion Criteria:

* Persistent or permanent AF * Prior ablation (catheter based or surgical) for AF * Significant sinus node dysfunction * Implanted pacemaker or defibrillator * Contraindication to or inability to complete cardiovascular magnetic resonance study * Contraindication to or inability to complete exercise testing * Chronic kidney disease with estimated glomerular filtration rate $<$ 30 mL/min/1.73m² * Severe left ventricular hypertrophy * Unrelated cardiomyopathy that is expected to limit exercise capacity, including but not limited to: * Hypertrophic cardiomyopathy * Cardiac amyloidosis * Constrictive pericarditis * Pulmonary arterial hypertension * Prior cardiac surgery * Active pregnancy

Conditions & Interventions

Interventions:

BEHAVIORAL: Self- Report Evaluation-Duke Activity Status Index, BEHAVIORAL: Self- Report Evaluation Atrial Fibrillation Effect on Quality of Life Questionnaire, DIAGNOSTIC_TEST: Cardiopulmonary exercise test (CPET), DIAGNOSTIC_TEST: Transthoracic echocardiogram, DIAGNOSTIC_TEST: Ambulatory cardiac rhythm assessment, DIAGNOSTIC_TEST: Cardiovascular magnetic resonance (CMR)

Conditions:

Paroxysmal Atrial Fibrillation

Keywords:

Catheter ablation, Exercise capacity

More Information

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Phase:

IRB

Number:

System ID: NCT06212791

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