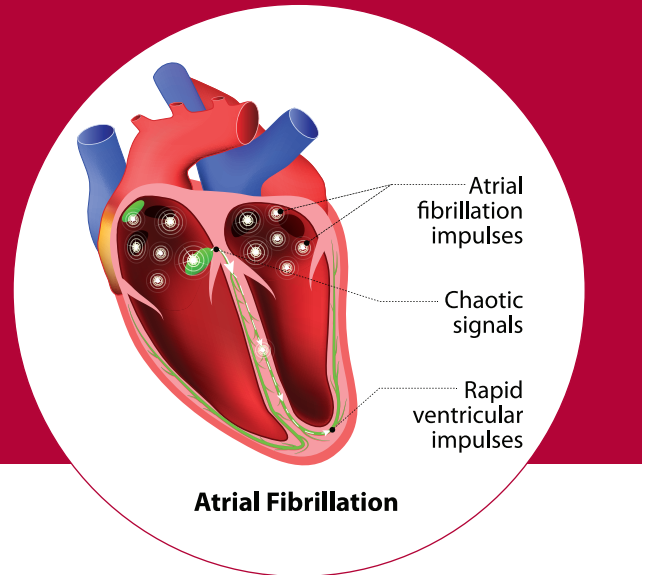




Saint Alphonus
A Member of Trinity Health

Prevention of Postoperative Atrial Fibrillation

CardiaMend



The Study

A Prospective Pilot Study of the Combination of CardiaMend and Amiodarone for the Prevention of Postoperative Atrial Fibrillation (POAF) in Patients Undergoing Isolated Coronary Artery Bypass Grafting or Isolated Valve Surgery.

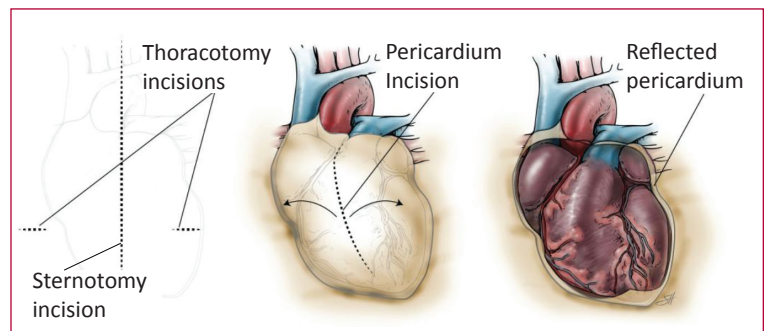
Principal Investigator: Robert Saeid Farivar, MD, PhD

The Problem

An irregular, often rapid heart rate that commonly causes poor blood flow.

The heart's upper chambers (atria) beat out of coordination with the lower chambers (ventricles). This condition may have no symptoms, but when symptoms do appear they include palpitations, shortness of breath, and fatigue.

Treatments include drugs, electrical shock (cardioversion) and minimally invasive surgery (ablation).



Pericardiotomy is an incision into the fluid-filled sac around the heart. It is normally done during open heart surgery and may contribute to atrial fibrillation.

The Goal

Atrial fibrillation is the condition this study wishes to minimize after open heart surgery. It occurs in 30% of patients and usually resolves on its own, or with medications, but may keep you in the hospital and inconvenience you. Rarely, it has more serious consequences.

The Research

We wish to close the pericardium with a patch, and soak the patch with a medicine that minimizes atrial fibrillation.

Closure of the pericardium with an amiodarone soaked patch. The teal chest tubes show drainage of the area.

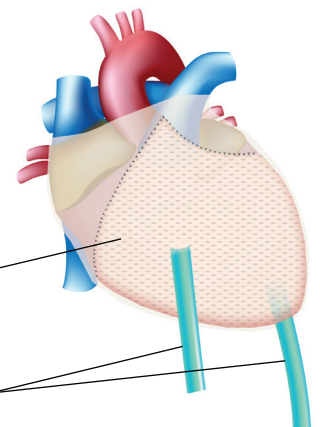


Image source:
<https://www.bcm.edu/healthcare/specialties/cardiovascular-medicine/cardi thoracic-surgery/pericardiectomy>