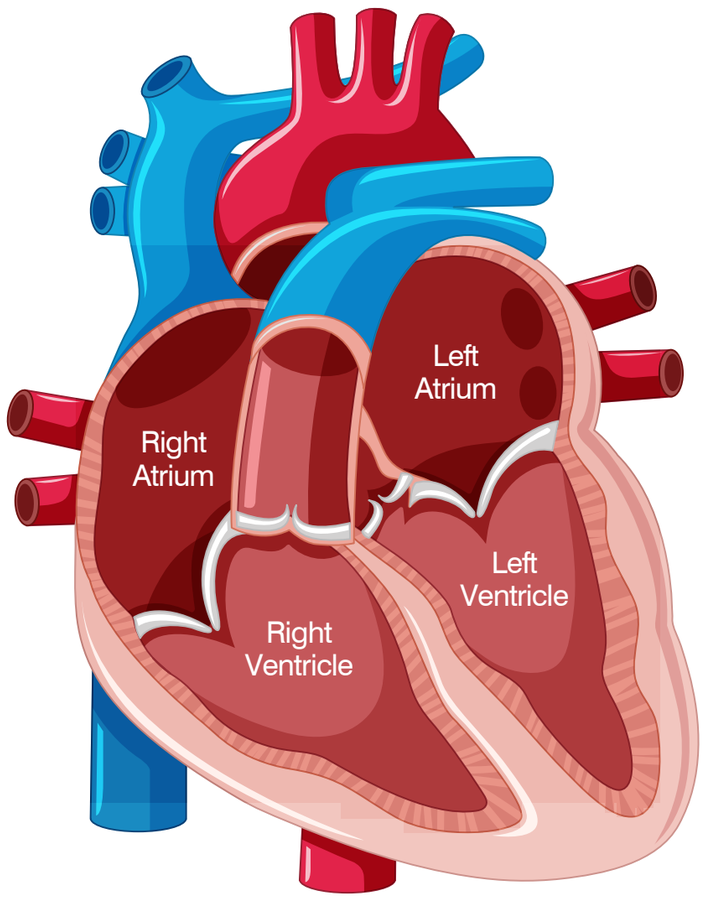
State of the *Heart* Robotic Technology

Premature Ventricular Contractions (PVCs)



What are PVCs?

Premature Ventricular Contractions, often called PVCs, are extra heart beats originating from either of the lower chambers of the heart, called ventricles. These extra beats disrupt the natural rhythm of the heart. Some patients experience fluttering or a skipped beat sensation in their chest.[1]

Some patients may experience one or more of the following:

- Fluttering
- Pounding or jumping
- Skipped beats or missed beats
- Increased awareness of your heartbeat

For PVCs that don't respond to lifestyle changes or medications, a doctor might recommend a cardiac ablation procedure.

What is Robotic Catheter Ablation?

Catheter ablation is a minimally invasive procedure that uses radiofrequency energy to correct areas of heart tissue that are causing rapid and irregular heartbeats and helps restore the heart's regular rhythm.[2]

Robotic ablation uses magnetic fields and robotic precision to navigate a magnetic catheter inside the heart, directly from the tip. The technology consists of two robotically controlled magnets next to the operating table. During the procedure the physician precisely directs and steers the ablation catheter safely through the delicate anatomy of the heart using intuitive computer software.

Why Robotics for Catheter Ablation?

Treatment Precision

Robotics allows the ablation catheter to reach the exact points where it is needed, wherever that may be. Because a magnetic catheter is controlled from the tip, it is very precise.

Gentle Touch

Your heart is delicate. Robotically controlled ablation catheters are soft and gentle like al dente spaghetti and more flexible than traditional, manually-guided catheters.

Reduced Radiation

With robotics, physicians have confidence of the safety of a gentle catheter. This leads to lower need for x-ray during the procedure. That means less radiation exposure for patients.[3]

Visit **www.TreatHeartsBetter.com** to learn more

1. https://www.heart.org/en/health-topics/arrhythmia/about-arrhythmia/premature-contractions-pacs-and-pvcs
2. heart.org/en/health-topics/arrhythmia/prevention--treatment-of-arrhythmia/ablation-for-arrhythmias
3. www.roboticep.com/clinical-data