

For people with heart failure

Introducing CCM[®] Therapy

Hope is Here

1 What is CCM therapy?



Cardiac Contractility Modulation (CCM) therapy is a new way to improve the pumping action of the heart in people who have heart failure. The Optimizer[®] Smart Mini is a device that delivers CCM therapy. Over 9,000 patients in 45 countries are receiving CCM therapy today.

2 Who benefits from CCM therapy?

CCM therapy is often helpful to people with heart failure whose...



Symptoms, like fatigue, shortness of breath, and leg swelling, are persisting despite taking their heart medications



Heart failure is getting worse

3 How will CCM therapy help me?



higher quality of life



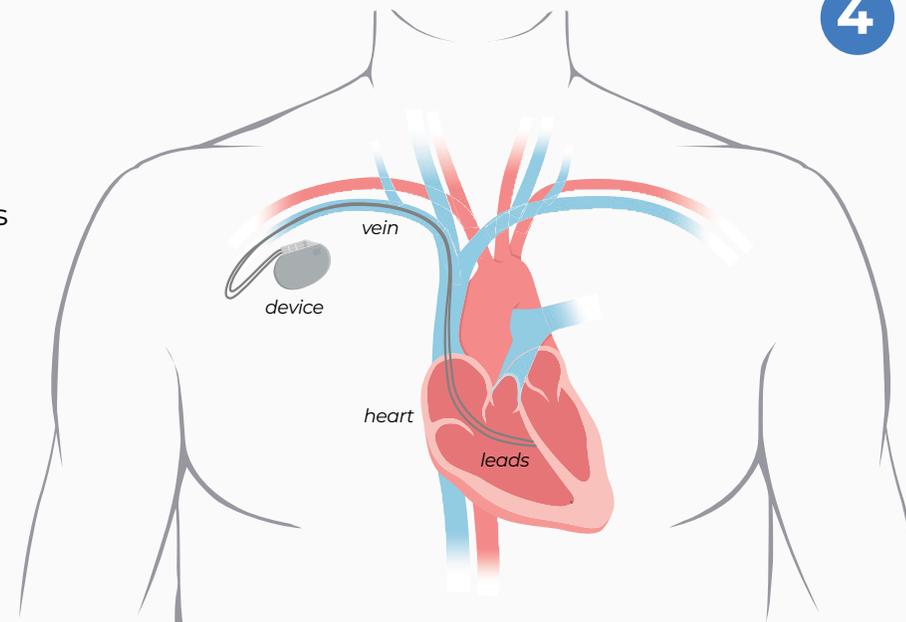
less shortness of breath



walk farther



increased exercise capacity



4 What's involved with a CCM therapy implant?

The Optimizer Smart Mini is implanted in a simple minimally invasive procedure using a mild sedative. The patient is discharged home the same day.

The device—which fits in the palm of your hand—is inserted under the skin of the upper chest, just below the collarbone. It has a 20-year battery life.

Two leads (wires) go from the device through a vein and into the heart.

5 How does CCM therapy work?

The Optimizer Smart Mini delivers precisely timed electrical pulses to the heart for 5 hours every day in 1-hour treatments.



Within hours, the pumping ability of the heart improves



Over days to weeks, the shape and size of the heart return towards normal and the heart's pump function continues to improve²

Talk with your provider about whether CCM therapy is right for you.

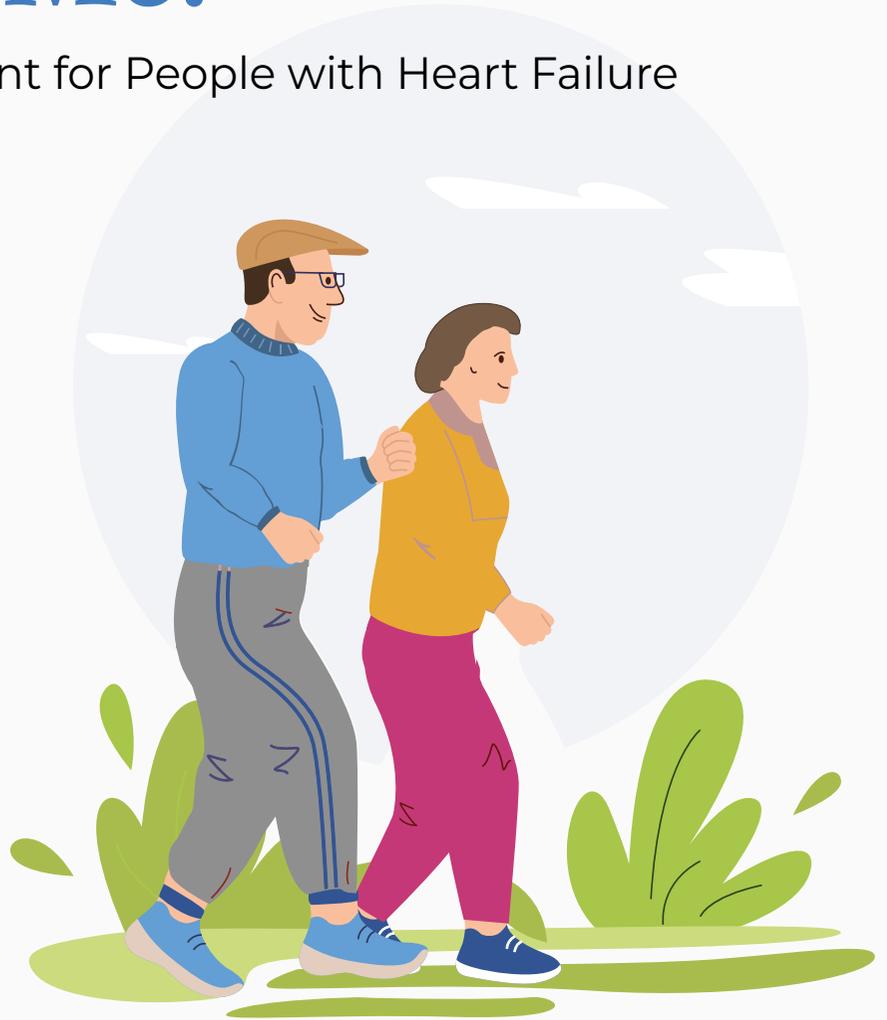
Covered by insurance when medically necessary.



I have heart failure

Is CCM[®] Therapy Right For Me?

A Novel Type of Treatment for People with Heart Failure



Restoring everyday life for heart failure patients



To learn more about
CCM therapy, please visit

[GetCCM.health](https://www.getccm.health)



The OPTIMIZER[®] Smart Mini System, which delivers CCM[®] therapy, is indicated to improve 6 minute hall walk, quality of life, and functional status of NYHA Class III heart failure patients who remain symptomatic despite guideline directed medical therapy, are not indicated for Cardiac Resynchronization Therapy (CRT), and have a left ventricular ejection fraction ranging from 25% to 45%.

¹ Defined as improving by at least one heart failure functional class
Abraham WT, et al. A Randomized Controlled Trial to Evaluate the Safety and Efficacy of Cardiac Contractility Modulation. JACC: Heart Failure. 2018;6(10):874-883

² Butcher C, et al. Cardiac contractility modulation electrical signals improve myocardial gene expression in patients with heart failure. Journal of the American College of Cardiology. 2008;51(18):1784-1789