

*The Cardiospec device shares the same technology as Extracorporeal Shock Wave lithotripsy, which has been successfully used for many years in the treatment of kidney stone disease. Other applications in recent years have been for heel-pain and on soft tissue injuries in horses and dogs.*

# The Cardiospec™

## Extracorporeal Shockwave Myocardial Revascularization (ESMR™)

### Patient Information Brochure

### Who should have ESMR?

ESMR is intended for patients diagnosed with Coronary Artery Disease (CAD) who have been unsuccessful with drug therapies, surgery, or other methods such as angioplasty or CABG.

### Who should not have ESMR?

ESMR is not for patients with unstable angina, acute myocardial infarction, chronic lung disease, intra-ventricular thrombus, active endocarditis, myocarditis or pericarditis, and who are pregnant



The **Sound** Alternative to Surgery

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## What is ESMR?

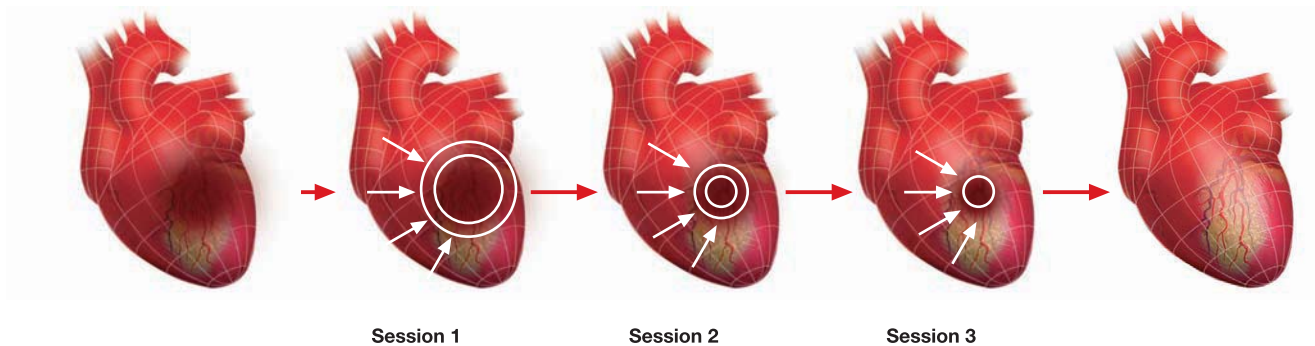
Extracorporeal Shockwave Myocardial Revascularization (ESMR) is intended to treat chest pain (angina pectoris) and the lack of blood flow to the heart muscle (myocardial ischemia) in patients diagnosed with advanced Coronary Artery Disease (CAD).

Coronary Artery Disease (CAD) occur when the coronary arteries are clogged and narrow restricting blood flow to the heart. Patients with CAD frequently have reoccurring angina or chest pain, low work tresholds, and breathlessness.



## What should I expect?

ESMR is an outpatient procedure; conducted repeatedly over a typical period of 9 weeks with 9 total sessions (typically 3 sessions in Week 1, Week 5 and Week 9). Some patients report a tickling sensation on their chest or a warm feeling.



## What are the benefits of ESMR?

The overall advantage of ESMR is a reduction in chest pain and a prospective return to normal activity. Other benefits include:

- NA* Non-invasive.
- NA* Improves oxygen uptake & exercise tolerance.
- NA* No anesthesia requirement.
- NA* Reduction of medication usage for chest such as nitrates.
- NA* Compliments existing therapies.
- NA* Short treatment time.
- NA* No side effects.
- NA* Increase in blood flow at the treated area.



## How does it work?

Before treatment the operator of the Cardiospec system identifies the ischemic region using an ultrasound imaging system and knows exactly where the shockwaves should be properly focused and applied. The patient lies on a table and is connected to the ECG of the Cardiospec. Low energy sound waves are then focused and delivered non-invasively by means of a unique applicator. In a few minutes, the treatment is concluded and the patient returns two more times within the week for successive treatments.

If you believe that you are a candidate for this therapy, then you should discuss this with your doctor.