



This effective treatment
can give you HOPE
FOR THE FUTURE



ANGINA TREATMENT OPTION



TMR May Benefit You

- TMR may benefit you if there is an area of your heart that is not receiving enough oxygen and your disease cannot be treated by balloon angioplasty or bypass surgery
- TMR has been proven to reduce angina pain and improve the quality of life in patients with coronary artery disease
- Treatment with TMR may help you return to a more active lifestyle
- Treatment with TMR may also reduce the need for some of the medications you are currently taking to manage your angina pain

“TMR gave me back my Quality of Life, which I can now spend with my family and grandchildren. Also, my activity with community projects, which are so dear to me, had all but stopped, until I had the TMR therapy.”

*Peggy Arthur
TMR Therapy, January 2000*

“The positive results were immediate and dramatic, and even 4 1/2 years after TMR, I am doing remarkably better. TMR made my life worth living again, so I can now enjoy my grandchildren - one of the most precious gifts I have been given.

*Al Phillips
TMR Therapy, April 2000*

What Follow-Up Will I Receive?

Your follow-up requirements for recovery after a TMR procedure are similar to those following other heart surgeries.

You will undergo regular check-ups by your physician. Your physician will advise you when you may return to your normal activities.

Am I a Candidate For TMR?

Talk with your Physician or Cardiologist regarding your angina symptoms.

To find out where the heart surgeons and health centers are located in your area that utilize the TMR technology, go to the **TMR Patient & Angina Information Website**. Take the short survey, which you can discuss directly with your Cardiologist to determine if **TMR IS RIGHT FOR YOU**.

www.HeartOfNewLife.com

Did You Know?

More than 30,000 TMR procedures have been performed since 1999.

An overwhelming majority of TMR patients continue to experience significant improvement in angina pain, five years after their initial treatment.²

CardioGenesis Corporation
26632 Towne Centre Drive, Suite 320, Foothill Ranch, CA 92610
Direct Phone 714.649.5000 Fax 714.649.5104

1. Allen, K.B., et al. "Comparison of Transmyocardial Revascularization with Medical Therapy in Patients with Refractory Angina." N Eng Journal Medicine 1999;341(14):1029-36.
2. Allen, K.B., et al. "Transmyocardial Revascularization: 5-Year Follow-Up of a Prospective, Randomized Multicenter Trial." Ann Thorac Surg 2004;77:1228-1234.

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Information for
Patients Considering

Transmyocardial Revascularization (TMR)

Ask Your Cardiologist If TMR Is Right For You

www.HeartOfNewLife.com

What is Angina Pectoris?

Angina Pectoris (Angina) is a medical term used to describe chest pain resulting from coronary artery disease.

All cells, muscles, and tissues in your body need the oxygen carried in your blood. If blood vessels, which bring blood to the heart muscle (the body's main blood pump), are clogged or damaged, the heart muscle does not receive the oxygen it needs. As a result, you may feel a pain called angina. Angina pain may be felt in your chest, neck, jaw, back, shoulders or arms. The pain can be mild to severe and may even be disabling.

Is TMR Effective?

In 1999, the Food and Drug Administration (FDA) approved TMR as a safe and effective treatment for reducing severe angina and improving the quality of life for patients suffering from advanced coronary artery disease. Clinical results have demonstrated TMR's effectiveness with more than 75% of patient benefit.¹

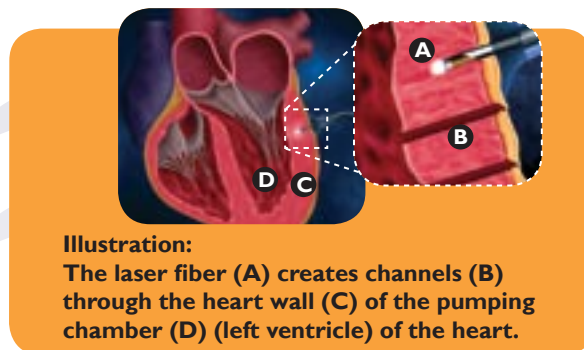
These important patient benefits have been shown to endure beyond five years, and may help patients live longer.²

Is TMR Covered By My Insurance?

TMR is approved for Medicare reimbursement, and is routinely covered by private insurance companies.

What is The TMR Procedure?

Using a laser, a surgeon will create tiny channels into the heart muscle to reduce the symptoms of severe angina. The channels are typically one millimeter in diameter, resembling the diameter of a standard sewing needle, and are placed approximately one-half inch apart. They seal almost immediately, and it is unusual for any significant bleeding to occur. Your surgeon will determine the number of channels to be placed and where they should be located.



How Does TMR Work?

At this time it is not fully understood how TMR relieves angina, although there are several theories that are under investigation for the way in which TMR works including:

- Directly increasing the blood flow to the heart muscle
- Stimulating the growth of new small blood vessels within the heart muscle
- Reducing pain by impairing the nerves and/or placebo effect

What Risks Are Associated With TMR?

TMR requires a surgical procedure and there are risks associated with any surgery in general, including:

Risks normally associated with chest surgery, such as death, heart attack (myocardial infarction), stroke, and heart failure.

Risk of disrupting the normal rhythm of the heart during and/or after the procedure.

It is important that you understand the risks and benefits of this procedure. If your doctor recommends that you have the TMR surgery, you will be asked to sign an additional informed consent which will explain these risks and benefits.

Your doctor will discuss all the risks and benefits of surgery and the TMR procedure with you.

TMR may not be indicated for you if:

You are unable to undergo general anesthesia.

You have had a heart attack (myocardial infarction) within three weeks.

You have uncontrollable or severe heart rhythm problems.

You have debilitating chronic lung disease, such as chronic obstructive pulmonary disease, which significantly impairs your ability to breathe.

You have heart failure, also known as congestive heart failure, usually associated with shortness of breath due to "fluid in the lungs" or with swelling in the lower extremities.