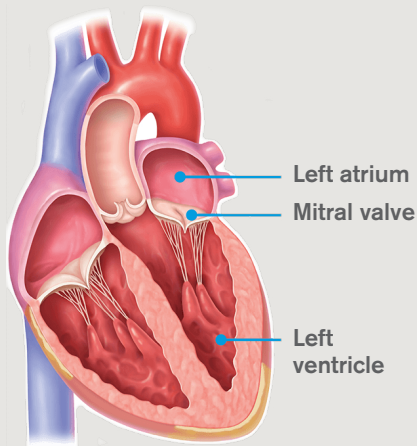




**MITRACLIP™**  
**TRANSCATHETER MITRAL**  
**VALVE REPAIR**



## WHAT IS A LEAKING HEART VALVE?

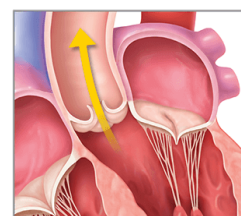
The mitral valve is the valve between the left atrium (upper chamber) and left ventricle (lower chamber) of your heart. The mitral valve has two flaps of tissue, called leaflets, that open and close to ensure that blood flows in only one direction.

When the mitral valve fails to close properly, some blood flows through the valve into the left atrium. This condition is called **mitral regurgitation**, or MR.

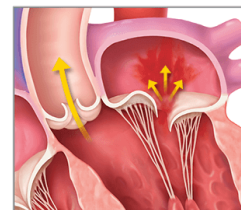
## WHAT ARE THE SYMPTOMS OF MITRAL REGURGITATION?

- Shortness of breath
- Fatigue
- Heart palpitations
- Fainting
- Swollen feet or ankles
- Dry, hacking cough

If left untreated, MR may progress to heart failure, and eventually death.



**Normal functioning mitral valve**



**Mitral regurgitation**

## TYPES OF MITRAL REGURGITATION

Degenerative mitral regurgitation (MR), also known as primary MR is caused by an abnormality in the mitral valve. This can be related to age, a birth defect, or an underlying heart disease. Functional mitral regurgitation, also known as secondary MR, is caused by heart disease that leads to enlargement of the left ventricle and/or atrium which prevents the valve from closing properly.<sup>1</sup>

In many people with MR, optimized medications may not be enough. Invasive strategies may be warranted including mitral valve surgery or transcatheter mitral valve repair. You will be evaluated by a team of physicians to determine which options are best for you.

***Over 200,000 patients worldwide have had the MitraClip™ procedure with more than 10 years of proven safety.<sup>2</sup>***

## MEET YOUR MITRACLIP™ TEAM

McLaren's cardiology programs offer advanced diagnostic and treatment options, including minimally invasive cardiac and vascular procedures, advanced surgery procedures, as well as cutting-edge research.

Whether it's an irregular heart rhythm, heart attack, or congestive heart failure, McLaren's heart teams are ready to jump into action. From complex and innovative procedures to world-class clinical trials, McLaren patients are assured industry-leading, high-quality care for life.

**To learn more about MitraClip™ or to make a referral, contact McLaren Bay Heart & Vascular at (989) 894-3278.**



**Michael Abdul-Malek, DO**  
Cardiologist



## INTRODUCING MITRACLIP™

MitraClip™ is a minimally invasive procedure that may be an option for people with severe MR.

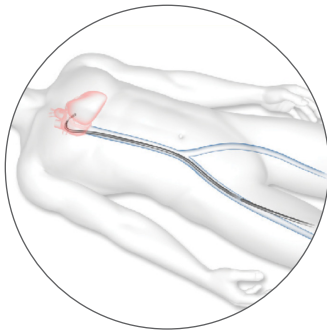
Unlike surgery, the MitraClip™ procedure does not require opening the chest and temporarily stopping the heart.

The MitraClip™ implant is available in different sizes to facilitate optimal results.

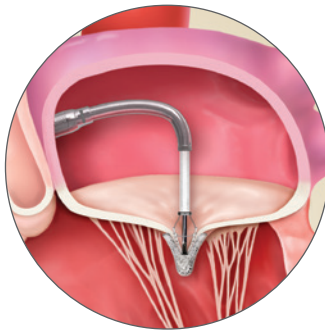


About the size  
of a dime!

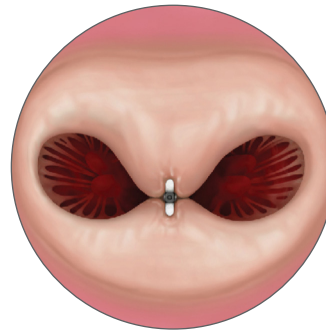
## THE MITRACLIP™ PROCEDURE<sup>2,3</sup>



Your doctor will make a small puncture in your groin to access your vein and insert a catheter to reach your heart.



The implant will be advanced to the left atrium and positioned in the appropriate location to grasp the mitral valve leaflets. One or more implants may be deployed.



The catheter will be removed and the MitraClip™ implant will become a permanent part of your heart, allowing your mitral valve to close more tightly and reduce the backward flow of blood.

*The average  
length of stay with  
the MitraClip™  
procedure is shorter  
than a traditional  
open-heart surgery.*

1. Abbott. "Understanding Mitral Regurgitation: Important Information and Treatment Options for Patients with a Leaking Heart Valve." (2024). Item number: MAT-1901536 v3.0

2. Abbott. "A Guide to Treating Your Mitral Regurgitation." (2025-04-25). Item number: EL2145113

3. Abbott. "What You Need to Know About MitraClip™ Therapy: Preparing for Your Transcatheter Mitral Valve Repair Procedure." (2020). Item number: MAT-1901542 v1.0

*Illustrations, MitraClip™ images, and statistics used courtesy of Abbott, 177 County Road B East, St. Paul, MN, 55117*



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