

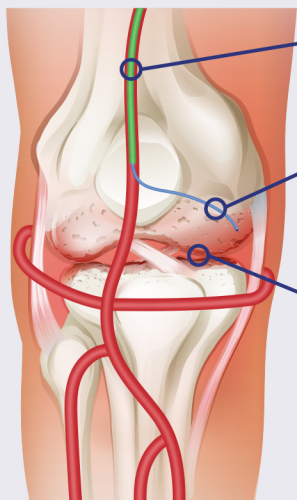


HOW DO I KNOW IF GAE IS RIGHT FOR ME?

Genicular artery embolization is recommended for patients who:

- Are 40-80 years of age
- Have moderate to severe knee pain
- Are diagnosed with osteoarthritis based on X-ray or other imaging, but without bony deformity/sclerosis
- Experience local knee tenderness
- Have resistant or failed conservative treatment (medication, physical therapy, joint injections)

HOW IS GAE PERFORMED?



A small catheter is inserted

Tiny particles are injected to limit blood flow to areas of inflammation in the knee joint.

By limiting blood flow to the areas of inflammation in the knee, pain is decreased.

CHAMPLAIN VALLEY VASCULAR

Vascular disease refers to a variety of conditions that affect the human circulatory system. This includes clots, blockages and other disorders within the blood vessels, like arteries and veins, as well as lymph vessels.

Champlain Valley Vascular specializes in treating diseases of the vascular system, excluding the brain and heart. We manage and/or treat conditions such as blocked carotid arteries in the neck, abdominal aortic aneurysms, peripheral vascular disease and varicose veins. We also provide vascular access procedures for patients who require treatment, such as dialysis, which necessitates ongoing access to the body's bloodstream.

For more information, visit ChamplainValleyVascular.com.



Genicular Artery Embolization

A non-surgical treatment for knee osteoarthritis



CHAMPLAIN VALLEY VASCULAR



CHAMPLAIN VALLEY VASCULAR

champlainvalleyvascular.com

(518) 562-7557

11 Hammond Lane | Plattsburgh, NY 12901

An effective, minimally invasive treatment for knee pain

While there are many options that provide temporary relief of chronic knee pain caused by osteoarthritis, until recently there was only one that could provide more lasting relief: total knee replacement surgery. However, not all patients are able—or willing—to undergo this surgery, and treating chronic pain with an endless medication regimen may pose significant health risks.

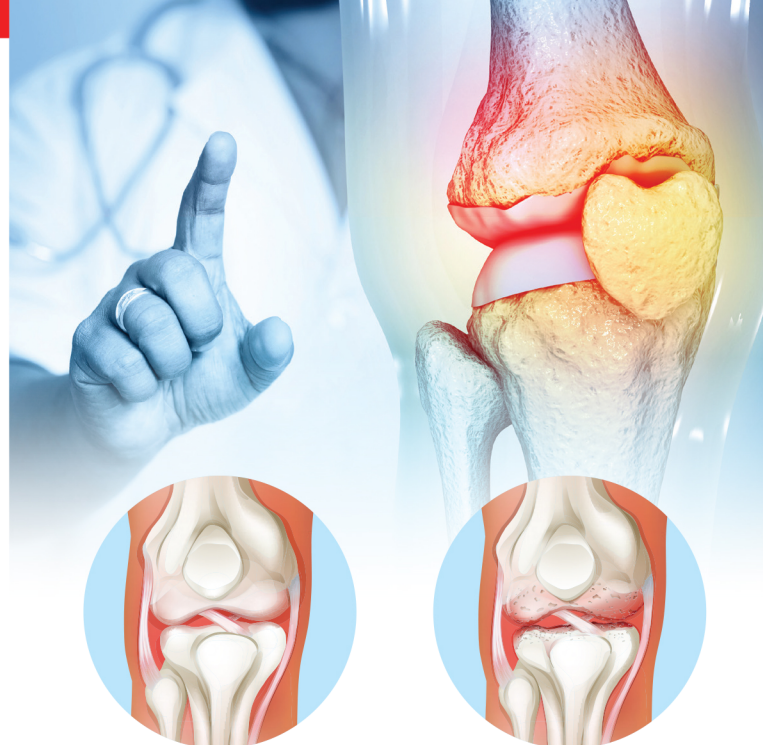
Today, an FDA approved procedure called genicular artery embolization gives you and your doctor a viable alternative to surgery. One that is proven to provide lasting pain relief and improve mobility within the knee.

WHAT CAUSES OSTEOARTHRITIS OF THE KNEE?

Osteoarthritis is a type of degenerative joint disease that affects nearly half of all Americans as they age. It results from the progressive loss of cartilage caused by the “wear and tear” on the knee over a lifetime. It is more common in older individuals, and more common in women than in men.

Knee cartilage is a tough, rubbery tissue on the ends of the bones within the knee that allows the joint to bend and move. As the cartilage degenerates, the bones in the knee joint rub together, causing friction that results in inflammation and subsequent knee pain, stiffness and swelling.

1. Society of Interventional Radiology. “Non-surgical Treatment Quickly Reduces Arthritis Knee Pain and Improves Function.” Society of Interventional Radiology, 16 Mar. 2021, <https://www.sirweb.org/media-and-pubs/media/news-release-archive/sir-2021-knee-pain-031621/>.



Normal Knee Joint

Knee Joint With Arthritis

TREATMENT

For those who still have most of their knee cartilage intact, treatment with medication, supplements, injections, lifestyle changes and physical therapy may be recommended. Total knee replacement surgery is an option for those whose symptoms have become severe, and who no longer have cartilage.

However, genicular artery embolization (GAE) has become a widely available treatment option for many suffering from osteoarthritic knee pain and who still have remaining knee cartilage. The GAE procedure reduces the flow of blood to the synovium—the lining of the knee—which in turn reduces inflammation and associated pain. It is a safe procedure that is clinically proven to achieve lasting pain relief.

THE GAE PROCEDURE

At Champlain Valley Vascular, GAE is performed by Dr. Theodore Pabst, a highly experienced physician who has performed thousands of vascular procedures. He inserts a tiny catheter into an artery in the upper thigh or wrist and then uses imaging to guide it through the body’s blood vessels to the arteries that supply blood to the synovium, where inflammation occurs. Tiny particles are injected through the catheter, which get lodged in the smaller blood vessels and reduce blood flow to the synovium. The effect is a significant reduction in the inflammation associated with osteoarthritis and a reduction in pain.

A clinical study performed in 2021 demonstrated that the average pain scores decreased from 8 out of 10 to 3 out of 10 within the first week of the procedure.¹

LEARN MORE ABOUT GAE

GAE is a new and less invasive option to treat osteoarthritis of the knee, performed by the experts at Champlain Valley Vascular. If you are not a candidate for knee surgery, or do not wish to have it, call us! We will provide the information that you need to make an informed decision, and we are happy to consult with your doctor if you have one.

