

GENICULAR ARTERY EMBOLIZATION (GAE)

THE NEXT STEP IN KNEE PAIN RELIEF

WHAT IS IT

Genicular Artery Embolization is an effective, minimally invasive procedure that can be done to relieve knee pain. The procedure is conducted in an outpatient setting by a trained physician. Performed for patients who are not ready to undergo knee surgery GAE is done by blocking the blood flow to the synovium in the knee providing relief from symptoms of knee arthritis and osteoarthritis. No physical therapy is required after the procedure.

IS GAE RIGHT FOR YOU?

Patients with the following:

- Osteoarthritis
- Severe Peripheral Arterial Disease
- Severe knee joint instability
- Moderate to severe symptomatic knee pain



VASCULAR SURGEON

PATRICK KELLY MD

Dr. Patrick Kelly is a board-certified vascular surgeon and founding partner of Dakota Vascular. He has more than 20 years experience in treating patients with complex arterial and venous conditions.



DIAGNOSIS

Radiographs (x-rays)
Computed tomography (CT)
Magnetic resonance imaging (MRI)



HOW IT WORKS

This same day procedure uses tiny particles that are injected through a small catheter into the arteries to reduce the blood supply, which reduces pain



BENEFITS

reduced knee pain
reduced swelling
increase function
shorter recovery time