

New, minimally-invasive treatment for mild/moderate knee osteoarthritis

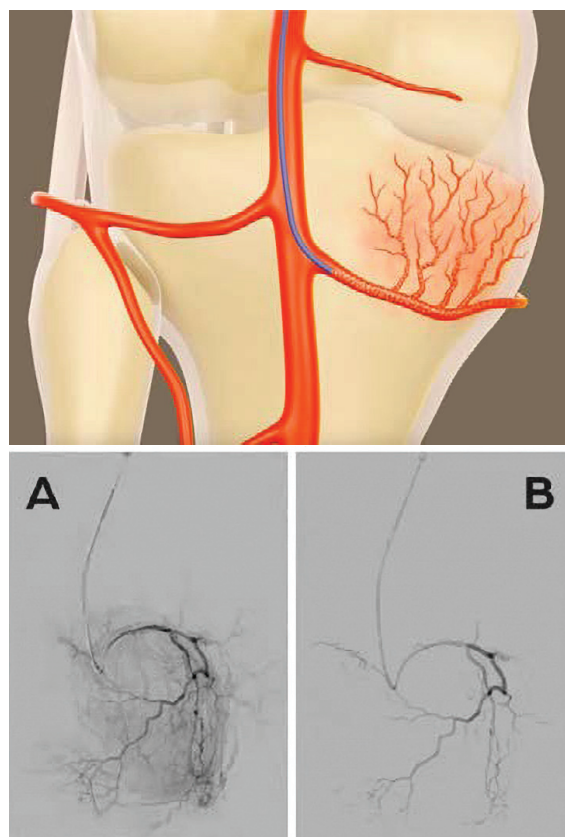
A new, minimally-invasive treatment for mild to moderate knee osteoarthritis is now available at several sites in Queensland, supporting multiple active research projects.

Genicular Artery Embolisation (GAE) is a minimally invasive procedure to reduce pain and improve function in patients with knee osteoarthritis.^{1,2,3} Multiple local studies, building on positive overseas results, are underway to explore outcomes in different patient groups. Areas of research include comparisons with intra-articular steroid and local anaesthetic injections, and assessments of serum biomarkers before and after GAE to better understand the pathophysiology of osteoarthritis.

Patients who are seeking a non-surgical treatment for moderate to severe knee pain from osteoarthritis may benefit from GAE, and can be referred for a consultation with an interventional radiologist to assess suitability for this procedure.

Patients who meet the following criteria may be invited to participate in these studies:

- Mild-to-moderate knee osteoarthritis causing moderate to severe knee pain.
- Moderate to advanced knee osteoarthritis not considered suitable candidates for total knee replacement.
- Post-total knee replacement patients experiencing persistent chronic pain and/or haemarthrosis.



1. Chlorogiannis DD, et al. Knee pain improvement after genicular artery embolization for the management of knee osteoarthritis: an updated systematic review and meta-analysis of 21 studies. *Radiologie* 64 (Suppl 1), 32–46 (2024).

2. Berreta RS, et al. Geniculate Artery Embolization for the Treatment of Mild to Moderate Knee Osteoarthritis Improves Pain and Function at Short-Term Follow-Up With Significant Procedural Heterogeneity Described Across the Literature: A Systematic Review, *Arthroscopy: The Journal of Arthroscopic & Related Surgery*, 2024.

3. Taslakian B, et al. Genicular artery embolization for treatment of knee osteoarthritis pain: Systematic review and meta analysis. *Osteoarthr Cartil Open*. 2023 Feb 6;5(2):100342.

From Radiology of Indiana, radiologyofindiana.com/services/genicular-artery-embolization/





The research sites listed below are currently receiving referrals for patients who meet these criteria:

Hospital	Study Status
The Wesley Hospital and St Andrew's War Memorial Hospital I-MED Radiology	Active
Buderim Private Hospital	Active
St Andrew's Ipswich Private Hospital	Commencing soon

If you would like more information about the research studies contact:

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The GAE procedure is delivered as standard clinical care, with the research limited to assessing safety and efficacy.

A GP-completed referral form is required.

No payments or rewards will be provided for subjects involved in the Registry. Registry subjects will incur no extra costs for participation in the PRAETORIAN registry as data will be collected via an online questionnaire.

GAE is a legitimate course of treatment for patients referred by their orthopaedic surgeons who meet the inclusion criteria. Therefore, costs associated with this treatment will be covered by Medicare, private health insurance (when appropriate), or by the patients themselves, depending on the specific referral circumstances and their health insurance policies. No parking/travel expense reimbursements will be provided for patients undergoing GAE as part of the care recommended by their health care professional.

When you need answers.