

KNEE PAIN ARTHRITIS

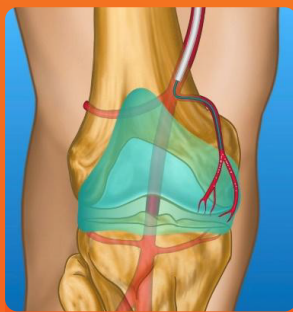


What is GAE?

Osteoarthritis is a condition that is caused by Repetitive wear and tear of the joint. Damage To the cartilage results in persistent inflammation that causes tiny new blood vessels and nerves to grow within the knee joint. Geniculate Artery Embolization is a procedure that injects microscopic beads into the areas with abnormal blood vessels so they are reduced, drastically minimizing the pain associated with abnormal vessels.

Procedural Details

- The interventional Radiologist makes a small needle puncture in to a blood vessel at the top of the leg and guides a microcatheter in to the blood vessels that supply the inflamed part of the knee.
- The procedure is performed under a 'twilight sleep' and is relatively painless.
- Microscopic beads are injected in to the areas with abnormal vessels and hypervascularity, reducing the excessive flow causing the pain and swelling.
- Normal blood flow to the knee and its surrounding tissues remains intact after the procedure.



Advantages of GAE



No surgical incision or injection into the knee joint



Painless procedure lasting about one hour



Typically return to work within a day or two without the need for a lengthy recovery



Very low complication rate without any effect on future knee replacement



Symptom improvement usually within 1-3 weeks



Why GAE?

GAE is useful to relieve knee pain from OA instead of taking frequent medication or getting injections into the knee. It can also be beneficial in those who are not ready to have a knee replacement surgery. Published clinical studies by our team have demonstrated that GAE can provide pain relief without the risks associated with chronic medication or having to get repeat injections. GAE, However, is not necessarily a substitute for total knee replacement and has not been shown to negatively impact future knee replacement surgery when performed with our technique.