

# New non-surgical treatment option for knee pain

## Geniculate Artery Embolization (GAE)

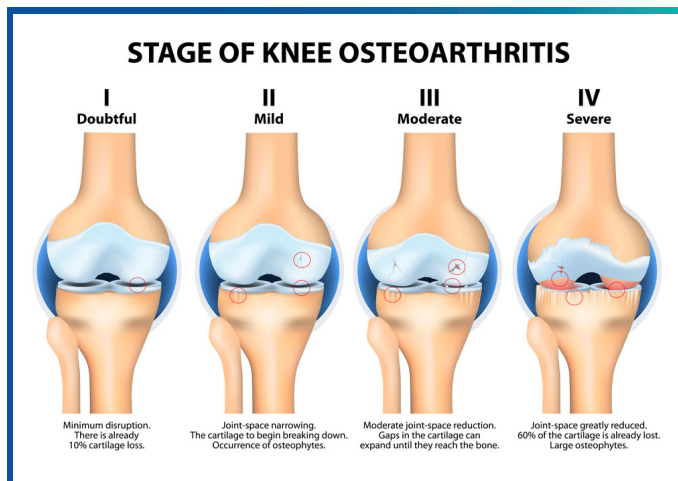


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Knee pain is a common problem in the sixties secondar to osteoarthritis (OA).

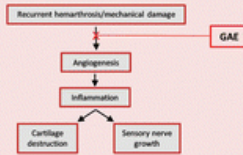
When it cannot be treated with traditional methods like conservative management, joint injection, here's only one option of performing a total knee arthroplasty to relieve pain and ease the joint function. Unfortunately, many patients are not fit for surgery and a lot prefer not to have a surgery especially when they are relatively young with this debilitating knee pain. For these patients we perform the advanced Geniculate Artery Embolization (GAE) which is a minimally invasive interventional radiology procedure that was previously used for hemarthrosis of the knee joint. In this procedure the blood supply to the inflamed portion of the knee joint is interrupted using a very small microcatheter and tiny particles under local anesthesia. This gives pain relief and further improves the mobility and quality of life. The minimally invasive procedures can also be performed as day care procedures thereby reducing hospital stay and cost for the patient.



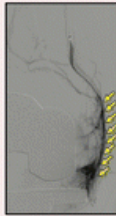
## Geniculate Artery Embolization: Role in Knee Hemarthrosis and Osteoarthritis

### Geniculate artery embolization (GAE)

- ✓ Minimally invasive
- ✓ Improved pain, function, QoL
- ✓ Clinical success rate: 89.4%
- ✓ Relief duration: 6-24 months



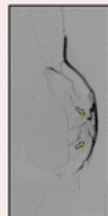
Anatomy of descending GAE



Synovial blush in hemarthrosis

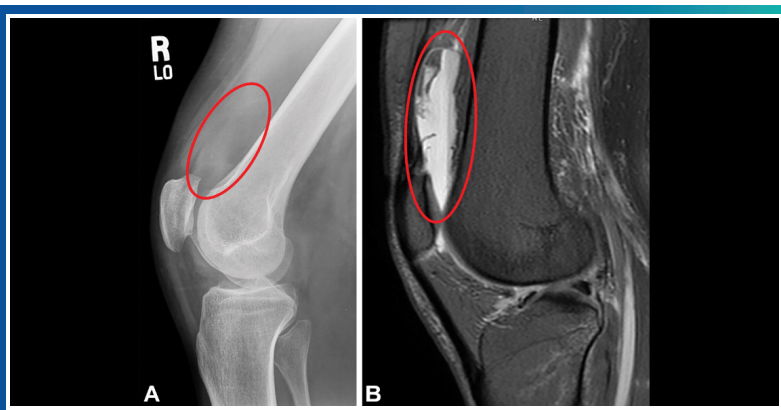
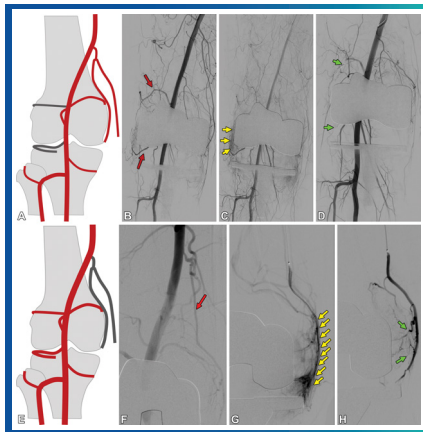


Selective particle embolization



↓ Synovial blush

\*Risk v quality of life



- The above images are selective angiograms before and after the embolization of the areas of increase vascularity done using very small microcatheters.
- If you need an appointment and want to find out more and see if you are suitable for this procedure please contact Mrs. Deepika, IR Coordinator on 9663358778

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