

# Perfusion MRI-targeted Joint Embolization for Chronic Musculoskeletal Pain of the Shoulder, Hip and Knee

NCT05700682

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**Status** RECRUITING  
**Sponsor** Palo Alto Veterans Institute for Research  
**Enrollment** 120 participants

## Key Eligibility Criteria

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### Inclusion (7)

- Participants must be Veterans who receive care in the VA system.
- Participants must have a history of chronic pain of the shoulder, hip or knee for at least 1 year.
- Participants must have mild to moderate degenerative changes of the painful joint as depicted on prior imaging (X-ray, CT or MRI).
- Participants must have undergone at least one failed primary treatment for their chronic pain (e.g. physical therapy, NSAIDs, steroid injection).
- Participants must have an MRI of their painful joint (shoulder, hip or knee) ordered by a clinical provider.

... and 2 more (see full listing online)

### Exclusion (17)

- Acute injury in the last 12 weeks.
- Age under 25.
- Severe degenerative changes of painful joint (shoulder, hip or knee).
- History of arthroplasty or metallic implant within the painful joint.
- Severe gadolinium contrast allergy.

... and 12 more (see full listing online)

## Locations (1 total)

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VA Palo Alto Healthcare System, Palo Alto, California, United States