Geniculate Artery Embolization

Status: Recruiting

Eligibility Criteria

Age: 18 years and over

This study is NOT accepting healthy

Healthy Volunteers: volunteers

Inclusion Criteria:

1. osteoarthritis of the one knee with symptoms that have not improved after at least 3 months of treatment such as PT, injection, medications, 2. partial knee replacement and total knee arthroplasty are not currently options (may be in the future) 3. 40-70 years of age

Exclusion Criteria:

1. weight greater than 250 pounds 2. smoke or have smoked tobacco regularly (smoking 1 or more tobacco product(s) per week) within the last year 3. diabetic with A1C greater than 9% 4. advanced peripheral arterial disease

Conditions & Interventions

Conditions:
Arthritis & Rheumatic Diseases, Bone, Joint & Muscle
Keywords:
Clinics and Surgery Center (CSC), Osteoarthritis

More Information

Description: This is a single center phase I and II study which is designed to initially assess the safety, and later the efficacy of geniculate artery embolization in reducing pain compared to a control group undergoing only conservative presurgical management. This study will consist of two phases, each with a 1 month preprocedural evaluation, day of treatment and 30 day follow up period for the first 10 participants and 6 month for the remaining 40 participants. 10 participants will be enrolled for the first phase, and 40 participants will be enrolled for the second phase at the University of Minnesota Medical Center. Enrollment is expected to take up to 6 months for each phase of the study. The collection of data will be accomplished by utilizing a clinical research team that will assess the efficacy and safety. Efficacy assessments will include; Joint injection intervals, MRI, X-ray, joint aspiration / serologies and patient questionnaires evaluating joint pain. Safety assessments include participant and investigator reported adverse events, vital signs, (blood pressure, heart rate, temperature), and physical exam.
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