

Genicular Artery Embolization/Geniculate Nerve Ablation Study

Dear participant,

Thank you for considering taking part in our study.

Knee osteoarthritis is caused in part by a cycle of inflammation as well as destruction of the cartilage in the knee joint. The formation of abnormal new blood vessels and nerves are part of this process; these are both potential causes for knee pain.

In this study, we are studying two different procedures that can help with your knee pain while you wait for your knee replacement surgery. One procedure is called “genicular artery embolization” and the second is called “geniculate nerve ablation”. We want to compare these to each other and to a placebo treatment to ensure and compare their efficacy in helping with arthritic knee pain.

The first procedure, “geniculate artery embolization” is a procedure where a specialized physician will block the arteries that feed the abnormal pain causing area in your knee. This will be done by inserting a small catheter into a blood vessel in your groin, guiding it into the abnormal vessels, and using special material to block off these abnormal blood vessels.

The second procedure, “geniculate nerve ablation” is a procedure where a specialized pain physician will place three small needles around your knee. The end of the needles will generate heat and burn the surrounding nerves that come from your knee, such that pain signals cannot reach your brain and be felt.

Should you choose to participate you will have a consultation with one of physicians who will explain the study and procedures in further detail. If you are interested in participating or would like further information, please contact the MUHC angiography secretary at 514-934-1934 ext. 44454. She will organize a meeting with one of the doctors who will explain the study further.

Thanks again for your consideration.