



September 2018

MIC Medical Imaging is proud to be Edmonton's only community-based provider of Nuclear Medicine (NM) Arthrograms with SPECT/CT to assess for aseptic prosthesis loosening. In addition to the MRI Arthrogram, the NM Arthrograms is another test to assess painful arthroplasty.

Aseptic loosening is the most common complication in the setting of hip and knee arthroplasty. NM Arthrograms with SPECT/CT imaging demonstrate very high diagnostic accuracy and a marked improvement over published planar nuclear medicine arthrography and conventional arthrography/radiography techniques. (Abele et al. Journal of Arthroplasty 30, 2015 - <https://www.mic.ca/wp-content/uploads/2018/09/Abele-Arthrogram-article.pdf>)

Our radiologists have been providing this service since 2016 and you can order it using the MIC general requisition form. Please contact our Central Booking team to book an appointment at a convenient time for your patient. Phone 780-450-1500.

Your patient can expect to spend up to two hours at our clinic which will allow time for:

- our radiologist to inject the radiopharmaceutical into the joint under fluoroscopic guidance;
- the patient to walk for 30 minutes, or rest for one hour if mobility is limited (this allows time for the radiopharmaceutical to distribute); and,
- the nuclear medicine imaging which takes approximately one hour.

The images will be checked by our radiologist before your patient leaves and you will receive a written report within 1-2 working days.

The NM Arthrogram is part of our ongoing commitment to provide a wide array of advanced technologies to diagnose musculoskeletal injuries and conditions.

We offer Nuclear Medicine, Computed Tomography, 3T and 1.5T MSK MRI, diagnostic MSK Ultrasound and X-ray exams at our community clinics. A complete list of services by location is available on our website: www.mic.ca

If you would like any additional information on this, or any other MIC service, please contact our Client Relations Manager, Simone Touw at 780.426.1121 or stouw@mic.ca.

We look forward to taking care of your medical imaging needs.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ron Van Vliet', is written over a white background.

Ron Van Vliet, CEO