

## Nuclear Medicine – Indium-111 WBC Infection



To Schedule: (319) 861-7778

Questions about your procedure: (319) 398-6050

701 10th Street SE  
Cedar Rapids, IA 52403-1292  
319 398-6011

### What is a Nuclear Medicine?

Nuclear medicine uses radioactive materials to help diagnose and treat a wide variety of diseases and disorders. Nuclear medicine provides unique information about the human body and its function. Nuclear medicine helps providers diagnose diseases to make treatment more effective. It is one of the best diagnostic tests for the early detection of certain types of heart disease, thyroid disease, tumors, bone changes, etc.

White Blood Cell (WBC) Imaging is performed over areas of suspected infection in the body. If imaging for a possible prosthetic infection, your provider will also order a Bone Marrow scan which will be done in conjunction with the WBC infection imaging.

### Preparation:

There is no special preparation for this exam.

### Procedure:

#### Step 1:

A Nuclear Medicine Technologist will draw approximately 40-60 milliliters of blood. Once the blood is drawn, you will be able to leave. The Technologist will instruct you when to return, typically in 2 ½ hours.

#### Step 2:

When you return, your blood cells will be re-injected. You will be instructed that you can leave and return in 2-4 hours for imaging.

#### Step 3:

You will be asked to return 24 hours after the injection for additional imaging. This imaging will take approximately 60 - 90 min.

### PLEASE BRING THE FOLLOWING TO YOUR APPOINTMENT:

**A PHOTO ID TO VERIFY YOUR IDENTITY**

**A LIST OF CURRENT MEDICATIONS YOU ARE TAKING**

### Parking:

Park in the Mercy Medical Center 10<sup>th</sup> Street Parking Ramp, located at the corner of 10<sup>th</sup> Street and 8<sup>th</sup> Ave. SE. Proceed to **Ground (G)** level and follow the signs to “Radiology (X-Ray),” also located on **Ground (G)** level.

**Procedure Results:**

A radiologist will review the images shortly after the exam is completed. A written report will be sent to the provider who ordered your exam. Your provider will discuss the results with you. Results will typically be available for your provider within two business days of the exam. Results will also be sent to your MyChart account.