**WBC Study (Ceretec or Indium):** The study is used for detection of abscesses and infection in the soft tissue or infection in the bone. It is also performed for evaluation of inflammatory bowel disease.

- There are no preparations needed for this exam; although it would be beneficial if the patient is well-hydrated and only if it does not interfere with other testing or procedures.
- If the patient is under the age of 50 and has NOT had a hysterectomy, a urine pregnancy test will be required at no charge to the patient. The patient needs to arrive 30 minute prior to the appointment time for the pregnancy test to be administered.

*If the patient is breast feeding, please consult the department for further instruction.*

- This is a three-part test:

  **Part One:** The patient is taken to the injection room or nuclear medicine room and the technologist will draw 60 ml of blood. This part of the exam will take about 30 minutes. The patient is allowed to leave the department and is given a time to return. The blood is sent to the local nuclear pharmacy to separate the white blood cells and tag them with a radioactive tracer.

  **Part Two:** The patient returns to the Radiology Department to receive the injection of their “tagged” white blood cells. This part will take about 15 to 30 minutes.

  **Part Three:** If the tagging agent used is ceretec, the patient returns two to four hours later for imaging. Imaging time will be about 30 to 45 minutes. If the tagging agent used is IN111, the patient returns 24 hours later for imaging. Imaging time will be about 45 minutes to an hour.

- The patient is asked to bring any prior films or reports of x-rays, ultrasound, MRI or CT scans ONLY if the studies were NOT performed at United Regional.