OVERVIEW: A nuclear medicine procedure is sometimes described as an “inside-out” x-ray, because it records radiation emitting from the patient’s body, rather than radiation that is directed through the patient’s body. Nuclear medicine procedures use small amounts of radioactive materials, called radiopharmaceuticals, to create images of anatomy. Radiopharmaceuticals are substances that are attracted to specific organs, bones or tissues. They are introduced into the patient’s body by injection, swallowing or inhalation. As the radiopharmaceutical travels through the body, it produces radioactive emissions. A special type of camera detects these emissions in the organ, bone or tissue being imaged and then records the information on a computer screen and on film.

KIDNEY TRIPLE STUDY: This study is done to determine location, size and presence of kidneys. It demonstrates space occupying lesions, evaluates renal blood flow and evaluates renal function.

PREP: There is no prep other than making sure you are well hydrated for the exam.

PROCEDURE: You will receive an IV injection of Tc-99m/Mag 3 and imaging begins immediately. Imaging lasts approximately 30 minutes.

RESULTS: These images will be reviewed by a radiologist and your ordering physician will contact you with the results in approximately 3 days. Your physician will advise you of the results and discuss what further procedures, if any, are needed.