You are scheduled for Transplant Kidney with Doppler Ultrasound on _____________ at _____________.

Please report to TC100 in Mitchell Hospital 20 minutes before your appointment time to register for the test.

ABOUT ULTRASOUND
An ultrasound, or sonogram, is a test that uses sound waves to produce an image of the soft tissue structures within the body such as muscles, blood vessels and organs. A small, handheld device called a transducer is placed on the body over the area to be imaged. A gel is used to allow smooth movement of the transducer and improve image quality. The transducer sends sound waves into the body and processes the returned sound into an image on a video screen. The process is very similar to sonar used on ships. These images appear in real time and show movement. There are no known harmful effects associated with the medical use of ultrasound. Ultrasound does not use radiation.

ABOUT TRANSPLANT KIDNEY DOPPLER
The transplant kidney Doppler exam looks at the kidney, the bladder, the blood vessels (the arteries and veins) and the blood flow to and from the kidney. The Doppler will be displayed in three forms which include an audible sound, a variety of colors in the blood vessels that you will be able to see on the screen and a graph that shows the speed of the blood traveling in the vessels.

PREPARATION FOR THE TEST
There is no preparation necessary for this examination.

DURING THE TEST
An ultrasonographer will confirm your identity and escort you to the exam room. The technologist will ask you questions about your medical history. You will be required to change into a gown or simply adjust your clothing to allow access to the area of your transplant kidney. You will be asked to lie on your back on a padded scanning table. The technician will apply a scanning gel. The transducer will be moved across the front of your abdomen and pelvic area to obtain the necessary images. The ultrasonographer will make you as comfortable as possible during your exam.

Before the exam is complete, the radiologist will review the images. Sometimes portions of the exam may be repeated. Either the ultrasonographer or the radiologist will repeat the images. The entire examination will take approximately 60 minutes.

AFTER THE TEST
After the exam, the technician will provide you with towels to help remove the gel. The results will be sent to your doctor. The technician is unable to provide results. If you have any questions about the procedure, please call the Ultrasound department at 773-702-1000, extension 5-9286