You are scheduled for a Liver 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, hand held 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 LIVER DOPPLER
The liver Doppler exam looks at the organs of the abdomen focusing on the liver, its blood vessels (the arteries and veins) and the blood flow to and from the liver. The Doppler will be displayed in three forms which include an audible sound, a spectrum 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
Please do not eat or drink for 6-8 hours before the test. This includes candy, gum, carbonated beverages and coffee. Medications may be taken with small sips of water. If your test is scheduled for the afternoon, you may eat a light, fat free breakfast and avoid dairy products.

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 asked to change into a gown removing only your clothes from the waist up. You will be asked to lie on your back on a padded scanning table. The technician will raise your gown slightly to expose your abdomen and apply a scanning gel. The transducer will be moved across the front and sides of your abdomen. You may be asked to take in a breath and hold your breath. You may also be asked to turn onto each side so that additional images can be obtained. 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. You may resume your normal diet and activities. 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.