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Unitypoint.org/cardiologyclinic



SMA/Celiac Artery Duplex

What is an SMA/Celiac Artery Duplex?

SMA/Celiac Artery Duplex is an ultrasound test that uses high frequency sound waves (ultrasound) to examine the arteries in your stomach.

Why is an SMA/Celiac Artery Duplex performed?

Some of the common indications for performance of SMA/Celiac Artery Duplex imaging include:

- Abdominal pain and cramping associated with eating
- Persistent diarrhea
- Significant unexplained weight loss
- Abdominal bruits
- Unexplained gastrointestinal symptoms
- Postoperative evaluation
- Suspected aneurysm
- Suspected celiac artery compression syndrome
- Suspected vascular insufficiency of the intestine

What can I expect during the SMA/Celiac Artery Duplex?

- A personal history describing current vascular symptoms will be obtained.
- You may be asked to remove outer clothing and put on a patient gown.
- Images will be taken as you lie in a bed.
- The lights in the room will be dimmed so the ultrasound screen can be seen clearly.
- The sonographer will place a water-soluble gel on your abdomen and firmly press against your skin with a transducer. The transducer is a small hand-held device that resembles a microphone.
- The transducer sends high-frequency sound waves to the arteries in your abdomen. The sound waves bounce off the blood vessels and form images or pictures of the insides of the arteries.

Will I have pain or discomfort during the test?

You may feel some pressure as the transducer is moved around your abdomen. The pressure should not cause any pain. You should tell the sonographer if you are uncomfortable during the test.

How long does the SMA/Celiac Artery Duplex test take?

You will be in the vascular lab for about 1 hour.

SMA/Celiac Artery Duplex

Appointment:

What should you wear?

Wear loose fitted clothing that is easy to remove.

Specific Preparation:

- **Do NOT** eat or drink 4 hours before the test. This is necessary to minimize gas.
- Take all medications as prescribed.
- **Do NOT** chew gum/candy or smoke the morning of the exam. As this may increase the swallowing of air.
- **Do NOT** apply cologne, perfume, body lotions, or powder.

When will you know the results of your test?

The images from the test will be reviewed by a board certified cardiologist. The results of the test will be sent to the doctor that ordered the test for you. The test results will also be sent to your family doctor. It may take 3 to 4 days before you know the results of your test. The sonographer performing your test will not give you the results of the test after he or she finishes taking the pictures.

Important Billing Information

If you are unable to keep your testing appointment, you must contact UnityPoint Health-Cardiology Clinic 24 hours prior to your test time. Scheduled testing appointments that are missed or cancelled without the 24 hour advance notice may be subject to charges for pharmaceuticals or supplies specifically ordered for your test.

Date: _____

Time: _____