



testfacts

AN EDUCATIONAL HEALTH SERIES FROM NATIONAL JEWISH HEALTH™

The Esophagram Barium Swallow Study

What Is a Esophagram Barium Swallow Study?

Your doctor has suggested you have a barium swallow as part of your evaluation at National Jewish. The barium swallow is a study that is completed in radiology. The test evaluates the esophagus. The esophagus is the tube that goes from the throat to the stomach. This will help your doctor identify possible problems and the best treatment. This study is sometimes called an Esophagram.

How do you get ready for the test?

- ✓ **Adults – No solid foods 4 hours prior to procedure.** Adult patients may be on a clear liquid diet 2 hours prior to the procedure. Give medicines at the regular times with water anytime.
- ✓ **Children – No solid foods 4 hours prior to procedure.** A clear liquid diet anytime prior to the procedure is fine. Give medicines at the regular times with water.
- ✓ **Infants - Do not eat or drink 4 hours prior to procedure.** Your child should be thirsty and ready to drink upon arrival for the barium swallow study. Bring a special cup or sippy cup your child likes to use. If your child drinks best from a bottle, bring a bottle. Give medicines at the regular times with a small amount of water.
- ✓ Wear clothing that you can remove from the waist up. You will be given a gown to wear.
- ✓ The esophagram barium swallow uses x-rays and anyone who is pregnant cannot be in the room during the x-ray.

What happens during an Esophagram Barium Swallow Study?

Before the study you/your child will need to remove all clothing and jewelry from the waist up. You will be given a hospital gown to wear. The study is completed in a radiology (x-ray/fluoroscopy) room. If a child is having the barium swallow, a family member or caregiver will be encouraged to stay in the x-ray room to make it easier for the child. The radiologist operates the fluoroscopy equipment and takes images of the esophagus and provides a medical diagnosis for your physician.

You/your child will be asked to drink 1 to 2 cups of barium. The barium is a contrast material that makes liquids show up on the image screen as gray or black. You/your child will drink the barium while standing up and while lying down.

If you have any questions or don't understand the instructions please ask.

What does barium taste like?

Barium is heavy and has a chalky taste. Children and adults may dislike the taste. Flavors may be added to make the barium pleasant tasting. Children under 12 months often like the taste of barium.

What should you do after the test?

Barium rarely causes any problems. It passes through the digestive system. Drink extra fluids for 12 to 24 hours after the study. If your/your child becomes constipated after the study, drink more liquids and eat more fruit. If the constipation continues, talk with your doctor.

How long will the test take?

The barium swallow study will take about 30 minutes. Some of the time is taken preparing for the study.

How do you get to your appointment?

Your appointment is in the Institute for Advanced Biomedical Imaging (Radiology). You will be directed where to go when you check-in. If you have any questions you can contact Advanced Biomedical Imaging (Radiology) at 303-398-1611.