

# FIRST HILL DIAGNOSTIC IMAGING

A Swedish Outpatient Imaging Center

## **MRI Guided Breast Biopsy**

Swedish First Hill Diagnostic Imaging utilizes 3D MRI images to show suspicious tissue for breast biopsy that is not seen on either mammogram or ultrasound images.

You will be asked to fill out an MRI safety form at the time of registration. Anything metal such as hearing aids and jewelry should be removed and metal free clothing is provided. A locker is available to store your personal items.

The performing radiologist will speak to you about the biopsy and you will be asked to sign consent for the biopsy. We will start an IV and have you lay on your stomach on the MRI table. The breast is cleaned and placed in mild compression to help keep the breast from moving during the procedure. The technologist will take images of the breast before and after injecting the MRI contrast. The imaging takes 7-10 minutes. These images are used to measure the location and depth of the area of concern, so it is very important that you do not reposition yourself until the biopsy is all over. After imaging you will be brought out of the scanner. The radiologist will numb the skin and deeper tissue and will place a biopsy device into the area of interest. An image is taken to assure the device is in the proper location. The radiologist will use a suction (vacuum) device to take multiple tissue samples. A biopsy clip (marker) is placed in the biopsy area. We will then remove the biopsy device and hold pressure to stop any bleeding that may occur and you will be held in the office for observation for a minimum of 15 minutes. The biopsy site is bandaged and post biopsy instructions are provided.

A member of our staff will escort you to get a post biopsy mammogram at a Swedish breast care center one block from our office. The mammogram documents the biopsy clip which the surgeon uses as a reference for surgery if surgery is indicated by the biopsy results. We will make the mammogram appointment for you.

### **Preparation**

There are no dietary restrictions or other preparations for this exam. Please avoid strenuous activities and do not take Aspirin or other non-steroidal anti-inflammatory medications for 24 hours after the procedure. Tylenol and ice may be helpful for discomfort.

### **Biopsy Results**

A physician from our office will be calling to relay biopsy results and to see how you are doing. The biopsy results are also sent to your physician. They are typically available within 48 hours.

### **Risks and complications**

There is no radiation associated with MRI and hearing protection is provided. The contrast agent is FDA approved and considered safe. Very few people are allergic to MRI contrast (Gadolinium). Please inform the technologist of any prior allergic events. If you experience symptoms such as hives, itching, or sneezing, medications are dispensed under the direction of a radiologist.

## **Appointment Time**

Although the biopsy typically only takes 45 minutes, you should plan on being in our office for about 2 hours to allow for registration, informed consent for the biopsy, the actual biopsy and post biopsy observation.

The post biopsy mammogram will take 15-30 minutes.