

ULTRASOUND GUIDED NEEDLE BIOPSY PROTOCOL

Arrival Time-15 minutes before scheduled appointment time

Patient Preparation for Biopsy-1.) undress completely from the waist up and put on a mammogram cape. 2.) empty bladder. 3.) Radiologist will evaluate films, patient history, meet patient and answer any questions.

Consent Form-Patient reads, signs, dates and lists any allergy indications on consent form. Patient lists current medications (make sure that the patient has not taken any aspirin products, anti-inflammatory, migraine, or blood thinners for 4 days prior to biopsy). Contraindications and procedure is explained to patient. 1.) length of exam 2.) Patient position 3.) How and when results are sent to referring physician 4.) risks, benefits, and potential complications

Description of Procedure-Ultrasound guided breast biopsy utilizes ultrasound to position a needle into the breast to obtain tissue samples from an abnormal area in the breast.

Tray Set-Up

- Sterile field towel/drape sheet
- Sterile field towel/drape oval fenestration sheet
- Sterile gauze sponges
- Providone iodine swabsticks
- Sterile ultrasound transmission gel
- 10 ml syringe
- 18 gauge 1 ½” needle
- 25 gauge 1 ½” needle
- Sterile disposable scalpel
- 8 ml 2% xylocaine
- 2 ml sodium Bicarbonate
- 13 gauge coaxial biopsy needle
- 14 gauge biopsy instrument
- alcohol prep
- straw for skin marking
- sterile gloves bandage
- instant cold pack
- 10% Neutral buffered formalin solution

Equipment Setting- Use ultrasound machine on breast preset using a 7 MHz linear probe; occasionally a probe sterile cover is used.

Patient Position-Supine, RPO or LPO position- best predetermined position to biopsy breast nodule.

Biopsy Procedure-The Radiologist will image the breast nodule with an ultrasound probe. Skin is prepped with Povidone-Iodine solution and marked for proper needle insertion. Radiologist administers local anesthesia (Xylocaine); a scalpel is used to make a small incision in the breast for needle insertion; several tissue samples are removed and placed inside formalin solution; after biopsy, pressure is applied

to the biopsy site for 4-5 minutes; skin area is cleansed with Hibiclens soap; a bandage is applied and a cold pack is placed over the biopsy site.

Post Biopsy Monitoring- Patient is monitored for dizziness, labored breathing and signs of skin flushness. Blood pressure is monitored and pulse rate is documented.

Post Biopsy Instructions-Keep biopsy site dry for 24 hours: no strenuous activities, including exercising and heavy lifting: watch for unusual swelling or bleeding; 6 month follow-up mammogram will be recommended on benign (non specific diagnosis) biopsies.

Pathology Results-Lab results are obtained within 48 hours following procedure; **Biopsy results are faxed to referring doctor's office.**