

Section: Division of Nursing

Index: 7430.051a

Approval: Creames RN BSN

PROTOCOL

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Issue Date: November 22, 1999

Revised Date: 01/30/08

HACKETTSTOWN REGIONAL MEDICAL CENTER

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Minor Procedure

(Scope)

TITLE: STEREOTACTIC BREAST BIOPSY

PURPOSE: To outline the nursing management of patients for stereotactic breast biopsy.

- SUPPORTIVE DATA:**
1. Stereotactic Imaging is a technique used to pinpoint the location of a non-palpable abnormality within the breast found on a mammography. It allows for a computer assisted needle biopsy performed by a general surgeon trained in the stereotactic breast biopsy procedure as indicated in the Hackettstown Regional Medical Center privilege book.
 2. Benefits of the procedure include:
 - a. Intervention for non palpable abnormalities within the breast.
 - b. Less traumatic than open surgical breast biopsy.
 - c. Eliminates risks involved with general anesthesia.
 - d. No surgical scarring.
 - e. Eliminates prolonged recovery period
 - f. Less costly than surgical intervention

- CONTRAINDICATIONS:**
1. Uncooperative patient.
 2. Patient physically unable to tolerate procedure
 3. Allergy to anesthetic
 4. Weight greater than 300 pounds

EQUIPMENT LIST: Provided by UMS

1. 8g and 11g stereotactic probe
 2. 8g and 11g Tissue marker
 3. 11g disposable probe
 4. 11g disposable probe guide
 5. Replacement Canister
- Provided by HCH
6. Needle holder
 7. Right angle forceps
 8. Baby mosquitoes (1)
 9. Pick up forceps(2)
 10. Knife handle (1)
 11. Nerve hooks (1)
 12. Suture scissors(1)
 13. 4 x 4's
 14. (1) 10 cc syringe
 15. 25g. needle 1 1/2", 18g. needle
 16. #11 blade
 17. Sterile cup per physician preference
 18. Sterile saline
 19. 1/4" steri strips and mastisol
 20. Betadine swabs
 21. 1% lidocaine with epinephrine
 22. Band-Aids and/or dressing per physician
 23. Petri dish (1)
 24. Formalin jars (usually 2 per site)
 25. Lead shield from OR

Personal Licensed radiology technician provided by U.M.S. per contract

**EQUIPMENT
MAINTENANCE
AND TESTING:**

Service Engineer provided by U.M.S. protocol and policies per contract

**INFECTION
CONTROL**

Standard precautions as per Hackettstown Regional Medical Center policy

**PATIENT
SAFETY:**

Per Hackettstown Regional Medical Center policy. Radiation safety per U.M.S. policy, Hackettstown Regional Medical Center policy overrides U.M.S. policy in any discrepancy.

CONTENT:

PROCEDURE STEPS

KEY ISSUES

Pre-procedure Assessment/Care

1. Refer to Hackettstown Regional Medical Center Policy on safety. Obtain lead shield from OR.
2. Set up and maintenance of all equipment is responsibility of U.M.S. personnel per contract.
3. Obtain name of radiologist from radiology file clerk and obtain mammography films for each patient.
4. Set up sterile tray and supplies for stereotactic breast biopsy, as per physician preference.
5. Verify patient has ID band on .
6. Obtain consent from patient and complete site verification form.
7. Obtain and document brief medical/surgical History as outlined in Minor Procedure Nursing Record, and if MD provides, have H&P from office on chart.
8. Obtain and document baseline vital signs.
9. Explain procedure to patient, length of time, technique to be used, patient position, sensations the patient is likely to experience.

Documentation of pregnancy/LMP

1. Patient will be prone on stereotactic table. Explain importance of lying still once breast is put into compression; arrange optimal position for patient comfort.
2. There may be slight pressure to breast.
3. Slight sting of local anesthetic.
4. Once area is anesthetized, patient should not experience pain – possibly pressure.

10. Document patient teaching and comprehension.

Intra-Procedure

1. Reassurance and continued explanation of procedure and importance of lying still once in compression.
2. Computer input for charges and supplies during procedure.
3. Label specimen(s) appropriately.
4. X-Ray of specimen(s) per MD preference.

Documentation that patient expresses verbal understanding of instructions.

Post Procedure

1. Post procedure vital signs taken and documented.
2. Provide out patient with written discharge instructions or provide verbal report to nurse responsible for In-patient care.
3. Discharge patient per Hackettstown Regional Medical Center Minor Procedure Protocol.

4. Send all specimens to the lab per Hackettstown Regional Medical Center Policy

Sources:

"New Non-surgical Biopsy Accurately Tests for Breast Cancer" Dr. A. Fein, Chief of Radiology, Medical Center at Princeton, April 1996

"Stereotatic Imaging" Frank Kosiger, MD, February 1996

"Core Biopsy vs Stereotatic Biopsy ' Stereotatic Breast Biopsy" KMC Medical Library, January 1999

"Methods of Breast Biopsy" Imagines Net. The Breast Health Specialists, Copyright 1999

Lippincott Manual of Nursing Practice 8th edition 2006