

Radiopharmaceutical: Tc^{99m}-Unfiltered Sulfur Colloid
Dose: 1.0 mCi (2.0 mCi for next-day surgery patients)
T1/2: 6 hours
Energy: 140 keV
CPT: 78195

Indications:

Approved indications include, but are not limited to:

1. Breast cancer.

Patient Preparation:

- Patient will be coming down from the surgery center upstairs, and will be having either a needle localization in US or MG, or will go straight to US for guided assistance for injections.
- No study-related preparations required by patient. Only those preparations needed for surgery.

Equipment:

1. Philips Skylight (VXUR collimator)
2. Philips Forte (VXUR collimator)
3. Philips Vertex Plus (LEUR collimator)

Procedure BREAST:

1. Patient will be prepped in the ultrasound or mammography suite.
2. Injections will be performed by radiologist.
3. Immediate anterior and lateral scans will be performed for same-day surgery patients that are “no scan”.
4. Delayed imaging at 90 to 120 minutes will be performed in the anterior and lateral projections for patients that are “full scan”.
5. Transmission scans using the flood source will also be performed in the anterior and lateral projections.
6. If sentinel node is localized, have radiologist mark from both projections.

Acquisition Parameters:

- Matrix: 256 x 256
- Zoom: 1.0
- Total Time: 300 seconds
- Total Kcounts: N/A
- Position: Supine
- Orientation: Feet First

Processing:

1. Left-click on ALL IMAGE DISPLAY.
2. Choose the ANTERIOR, ANTERIOR TRANS, LATERAL, and LATERAL TRANS images, and click on PROCEED.
3. Select the 4-view image display button.
4. Annotate using the proper default in the PENCIL TOOL, and SNAPSHOT→QUIT.
5. Double SNAPSHOT the image ending in “_SS”.
6. Send to PACS and print an image to send to the surgery center.