### Annals of Nuclear Medicine

Volume ۲۳, Issue ٦, August ٢٠٠٩, Pages ٥٠٧-٥١٠

# How long the lymphoscintigraphy imaging should be continued for sentinel lymph node mapping?

Sadeghi, R.<sup>a</sup>, Forghani, M.N.<sup>b</sup>, Memar, B.<sup>c</sup>, Rajabi Mashhadi, M.T.<sup>b</sup>, Dabbagh Kakhki, V.R.<sup>a</sup>, Abdollahi, A.<sup>b</sup>, Zakavi, S.R.<sup>a</sup>

<sup>a</sup> Department of Nuclear Medicine, Imam Reza Hospital, **Mashhad University** of **Medical Sciences**, Ebn Sina Street, **Mashhad** *11771*, Iran

<sup>b</sup> General Surgery Department, Mashhad University of Medical Sciences, Mashhad, Iran

<sup>c</sup> Pathology Department, Mashhad University of Medical Sciences, Mashhad, Iran

View references  $({}^{\forall}{}^{\forall})$ 

## Abstract

Objective: We assessed the need for delayed lymphoscintigraphy imaging for sentinel lymph node (SLN) biopsy in stage I and II breast cancer patients using intradermal injection of <sup>34</sup><sup>m</sup>Tc-antimony sulfide colloid. Method: Seventy-five patients with early-stage breast cancer were included in our study. Periareolar intradermal injections of •,•° mCi/•,\* mL <sup>34</sup><sup>m</sup>Tc-antimony sulfide colloid was used for the patients without previous excisional biopsy ( $\frac{5}{2}$  patients). Two intradermal injection of •,•° mCi/•,\* mL <sup>34</sup><sup>m</sup>Tc- antimony sulfide colloid was used on each side of the dermal incision in patients with the history of excisional biopsy ( $\frac{7}{2}$  patients). Anterior and lateral static images were taken at <sup>7</sup> min. If SLN was not visualized, delayed imaging at  $\frac{3}{2}$ ,  $\frac{1}{2}$ ,  $\frac{1}{2}$ ,  $\frac{3}{2}$ ,  $\frac{1}{2}$ ,  $\frac{3}{2}$ ,  $\frac{1}{2}$ ,

### Author keywords

11m Tc-antimony sulfide colloid; Breast cancer; Delayed imaging; Lymphoscintigraphy; Sentinel lymph node

## **Indexed Keywords**

EMTREE drug terms: antimony technetium sulfide tc ٩٩m

**EMTREE medical terms:** adult; article; axillary lymph node; breast cancer; cancer patient; cancer staging; early cancer; female; human; human tissue; image analysis; lymph node dissection; lymph node metastasis; lymphos cintigraphy; major clinical study; priority journal; sentinel lymph node; sentinel lymph node biopsy

**MeSH:** Adult; Antimony; Breast Neoplasms; Humans; Lymph Nodes; Neoplasm Staging; Radiopharmaceuticals; Sentinel Lymph Node Biopsy; Technetium Compounds; Time Factors *Medline is the source for the MeSH terms of this document.* 

**Chemicals and CAS Registry Numbers:** Antimony, VitorT-v; Radiopharmaceuticals; Technetium Compounds; technetium Tc 11 mantimony sulfide