

## SFHM6

### Undertake localisation procedure in the breast using X-ray guidance



---

#### Overview

This standard is concerned with the use of x-ray guided equipment to locate regions in the breast perceived to be abnormal. The standard is also concerned with the use of this equipment to guide the insertion of marker wires for surgical procedures. It is essential that any person undertaking this procedure be currently competent in Basic Life Support and Cardio-Pulmonary Resuscitation.

Users of this standard will need to ensure that practice reflects up to date information and policies

## SFHM6

### Undertake localisation procedure in the breast using X-ray guidance

---

#### Performance criteria

*You must be able to:*

- P1 prepare the equipment required for the procedure and check it is working correctly
- P2 examine relevant mammograms prior to performing the procedure to confirm the location(s) of the region(s) of interest
- P3 review all additional relevant information and decide the most appropriate approach
- P4 review the individual's clinical history for factors which might contra-indicate the procedure
- P5 check the individual's identification details before commencing the procedure
- P6 explain the procedure in a manner which encourages the individual to relax and co-operate with the requirements of the procedure
- P7 assess the individual's emotional state and respond appropriately
- P8 obtain informed consent to the procedure according to local protocols
- P9 take appropriate images to confirm the correct position for needle placement and safety margins
- P10 take all appropriate precautions to ensure a clean technique
- P11 ensure that local anaesthetic is given according to local protocols and loss of sensation is checked and, where required, the skin is incised
- P12 insert the correct needle for the procedure according to local procedures and protocols
- P13 check the positioning of the needle is correct by further imaging and make any necessary adjustments
- P14 deploy the marker according to the type of localisation
- P15 review and confirm the position of the wire in relation to the region of interest
- P16 dress the site appropriately
- P17 document the procedure in sufficient detail to guide the surgical procedure
- P18 report specimen radiographs to the surgical team according to local protocols
- P19 recognise when you need help and/or advice, and obtain this from appropriate sources

## SFHM6

### Undertake localisation procedure in the breast using X-ray guidance

---

#### Knowledge and understanding

*You need to know and understand:*

- K1 the purpose of the breast diagnostic and screening services
- K2 the Quality Assurance programmes in the breast diagnostic and screening services
- K3 the Health and Safety at Work Act and the need for compliance with local and national protocols
- K4 the Control of Substances Hazardous to Health and the need for compliance with local and national protocols
- K5 the current legislation governing the use of ionising radiation and of the responsibilities as defined in the legislation
- K6 local protocols of imaging and patient handling
- K7 the local protocols for x-ray guided localisation
- K8 the appearance of abnormal or suspicious areas on mammograms
- K9 the mammographic manifestations of breast disease and normal variations including changes due to age, surgery and radiotherapy
- K10 the contra-indications to the procedure, e.g. anticoagulant therapy
- K11 the underlying principles of stereotaxis
- K12 the localisation equipment, its correct preparation attachment and calibration
- K13 the safe use of local anaesthesia
- K14 the need to minimise the radiation dose received by the individual
- K15 the features of mammographic images, cassettes and the imaging process
- K16 effective clinical report writing
- K17 the roles and responsibilities of other members of the multi-disciplinary team
- K18 the importance of effective communication within the multi-disciplinary team and with patients
- K19 the importance of not operating outside the limits of own knowledge and experience
- K20 the anatomy and physiology of the breast and related structures
- K21 the importance and significance of informed consent for interventional procedures

## SFHM6

Undertake localisation procedure in the breast using X-ray guidance

---

### Additional Information

#### External Links

This standard links with the following dimension within the NHS Knowledge and Skills Framework (October 2004):

Dimension: HWB7 Interventions and treatment

## SFHM6

### Undertake localisation procedure in the breast using X-ray guidance

<b>Developed by</b>	Skills for Health
<b>Version number</b>	1
<b>Date approved</b>	June 2010
<b>Indicative review date</b>	June 2012
<b>Validity</b>	Current
<b>Status</b>	Original
<b>Originating organisation</b>	Skills for Health
<b>Original URN</b>	M6
<b>Relevant occupations</b>	Health, Public Services and Care; Nursing and Subjects and Vocations Allied; Healthcare and Related Personal Services
<b>Suite</b>	Breast Screening and Assessment
<b>Key words</b>	Radiography, radiographic images, mammography, breast screening, breast imaging.