

Overview

SFHCI.I SFHCI.I This standard is about undertaking image guided interventional procedures. It covers invasive procedures and/or interventions performed under image guidance. This standard is relevant to various imaging modalities and should be used in your area of practice. Key people are those involved in the individual's care and others involved in provision of services. It is essential that any person undertaking this procedure be currently competent in appropriate life support and cardiopulmonary resuscitation. Users of this standard will need to ensure that

Performance criteria

You must be able to:

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1. apply standard precautions for infection prevention and control, and other appropriate health and safety measures
2. check and prepare the equipment required for the procedure
3. ensure all necessary preparations have been made by the individual and staff before starting the procedure
4. ensure the environment is conducive to maintaining the privacy and dignity of the individual
5. introduce yourself and other members of staff present during the examination
6. check the identification details before commencing the interventional procedure in accordance with local policies and procedures
7. obtain valid consent for the procedure in accordance with national and local guidelines and protocols
8. communicate with the individual / key people to facilitate their understanding of and co-operation with the examination
9. establish the individuals capacity to understand the procedure with the help of key people if necessary
10. clearly explain the procedure and possible outcomes, including risk, benefits, limitations and alternatives
11. respect the individuals privacy, dignity, beliefs and decisions

Perform image guided procedures and/or interventions

12. review the clinical history for factors which might contraindicate the procedure
13. assess the individual for contra-indications to any medicines to be used in the examination and for any relevant allergies, and take appropriate action
14. ensure appropriate and recent imaging is available and assess relevant images and information prior to performing the procedure to confirm the location of the region/structure(s) of interest
15. make an assessment of the individuals emotional needs and respond appropriately
16. ensure that relevant checklists are completed prior to the procedure in line with local and national policies to highlight any potential problems before the procedure begins
17. select the correct equipment for the procedure according to national and local guidelines and protocols
18. take appropriate precautions to ensure a clean or aseptic technique as required

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19. ensure the individual is in an appropriate position and is as comfortable as possible for the procedure
20. administer local anaesthetic if required according to national and local guidelines
21. take appropriate steps to minimise the risk of work-related disorders
22. ensure the procedure is carried out correctly and in accordance

Perform image guided procedures and/or interventions

- with local policies and procedures
23. where required by the procedure, obtain any samples and label containers according to local guidelines and protocols
 24. ensure all images are acquired, store and transferred in line with local guidelines and protocols
 25. ensure dressings are applied where appropriate after the procedure
 26. ensure immediate post-procedure observations are carried out according to national and local guidelines and protocols
 27. recognise and respond to a deterioration in the individuals clinical condition in line with relevant national and local guidelines and protocols
 28. provide the individual with information relating to the procedure and aftercare where necessary
 29. explain the process for obtaining results
 30. document the procedure according to national and local guidelines and protocols and make arrangements for results review
 31. debrief the team according to local guidelines
 32. communicate information to other members of the team as necessary

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Knowledge and understanding

You need to know and understand:

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1. legal, organisational and policy requirements relevant to your role, the role of others in your organisation and the activities being carried out
2. the relevant national and local standards, guidelines, policies and procedures that are available and how and when they should be accessed
3. the national and local guidelines for acceptance of requests for image guided interventional procedures in your area of practice
4. the importance of obtaining valid consent in line with national and local guidelines
5. the principles and role of image guidance in your area of practice
6. the use of pre-intervention checklists and how they should be used according to local and national policies and procedures
7. how to keep full, accurate and clear records in line with organisational procedures
8. the limitations of your own knowledge and experience and the importance of operating within your scope of practice
9. the benefits and limitations of image guided interventional procedures in your area of practice
10. the role and importance of alternative, additional and complementary imaging techniques and investigations

11. clinical appropriateness of the examination request and the action to take when the request is not appropriate
 12. how to undertake risk assessments for individuals prior to the procedure
 13. the contraindications associated with each investigation and the implications of proceeding with due consideration of related risks
 14. the preparation of the individual, environment and equipment for image guided interventional procedures in your area of practice
 15. the importance of respecting individuals culture, privacy, dignity, wishes and beliefs and decisions and how to do so
 16. the roles and responsibilities of other team members
 17. how to adapt communication styles, ask questions, and listen carefully in ways which are appropriate for the needs of the individual
 18. methods of communicating difficult and complex information to individuals and key people
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19. the importance of providing individuals and key people with opportunities to ask questions and increase their understanding
 20. the information that should be given to individuals before, during and on completion of the examination
 21. debrief procedures and how these should be used to ensure that any problems encountered during the procedure are recorded to inform future interventions
 22. the anatomy, physiology and pathology of the anatomical

Perform image guided procedures and/or interventions

- structures under investigation
23. the pathophysiology of relevant disease processes
 24. the clinical findings and imaging appearances associated with normal and abnormal anatomical structures
 25. the safe use of local anaesthesia and other medicines used during the procedure or intervention
 26. aseptic techniques and the potential consequences of poor practice
 27. the importance of minimising any unnecessary discomfort of individuals undergoing interventional procedures, and how to do so
 28. the management of emergency/acute complications that occur during the procedure
 29. the safe use and manipulation of non-imaging equipment used during the procedure
 30. the management, storage and transport of tissue samples where relevant
 31. local procedures for image acquisition, storage and retrieval
 32. the annotation and interpretation of relevant images and information to confirm the location of the region/structure(s) under investigation
 33. procedures relating to recording, collating and preparing appropriate documentation and images for transfer or storage according to local protocols
 34. how changes to image findings as a result of intervention may

affect interpretation of future imaging procedures and decisions by others

- 35. safe operation of imaging equipment in your area of practice
- 36. the risks of work-related disorders and how to minimise the risks
- 37. machine settings and methods available to optimise the image in your area of practice

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Perform image guided procedures and/or interventions



External Links

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This standard links with the following dimension within the NHS

Knowledge and Skills Framework (October 2004):

Dimension: HWB7 Interventions and treatments

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