

SFHCHS108

Administer contrast media to increase information provided by diagnostic imaging



Overview

This standard relates to the administration of contrast media as part of a diagnostic process that involves the use of imaging equipment. It covers the use of a range of administration devices and will be relevant to all imaging modalities that involve use of contrast media. Individuals will work within the limits of their authority and competence in respect of type of patient, use of contrast media and imaging modality.

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

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Performance criteria

You must be able to:

- P1 confirm patient consent, assess risks and determine contra-indications associated with planned procedure prior to commencement
- P2 confirm status and requirement for presence of carers where appropriate
- P3 explain the procedure, requirements for compliance and possible side effects to the patient, and confirm their understanding
- P4 select and prepare suitable contrast media in line with local protocols and guidelines and manufacturer's instructions and check with colleague to ensure safety of use
- P5 record details of contrast media used in patient records, including type, dose, expiry, batch and administrator
- P6 apply correct aseptic techniques to control infection
- P7 ensure that carers remaining in the imaging room have completed the relevant safety questionnaire and have been informed of risks
- P8 select appropriate parameters for administration of contrast media
- P9 confirm correct placement and suitability of required cannulation or IV access point
- P10 administer contrast media using suitable method and equipment
- P11 monitor changes in the patient's condition and identify signs of discomfort or contrast reaction
- P12 in the event of adverse reaction, record details and take action to protect patient safety in line with adverse reaction protocol
- P13 dispose of sharps and clinical waste safely

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Knowledge and understanding

You need to know and understand:

- K1 the range of contrast media, their application and purpose
- K2 the contra-indications associated with the use of contrast media and the implications of proceeding with due consideration of related risks
- K3 requirements and procedures for patient identification and consent,
- K4 your responsibilities and accountability under national legislation and regulations, current European, International and local guidelines, Professional standards, Codes of Practice and regulations this includes;
 - K4.1 health and safety at work and safe working methods
 - K4.2 control of infection, including aseptic techniques
 - K4.3 use of hazardous materials (COSHH)
 - K4.4 waste disposal
 - K4.5 use of medical devices and product liability
 - K4.6 security within the workplace
 - K4.7 consent to examinations
 - K4.8 patient identification
 - K4.9 data entry, utilisation, recording and transfer and confidentiality
- K5 information that should be given to patients
 - K5.1 prior to commencing the investigation
 - K5.2 during the investigation
 - K5.3 on completion of the investigation
- K6 controlled areas and safety requirements in the imaging environment
- K7 records required for drug administration
- K8 the local policy for administration of contrast media
- K9 legislation relevant to the prescribing, supply and administration of medicines –Amendments to the Medicines Act regarding supplementary prescribing, Patient Group Directives
- K10 appropriate emergency procedures
- K11 the correct and safe use of the range of equipment associated with use of contrast media
- K12 problems associated with use of intravenous cannulation
- K13 how and from whom to obtain additional information to assist with decisions regarding procedures
- K14 immediate life support
- K15 extravasation and reaction signs and their treatment
- K16 how to explain procedures in terms that can be easily understood by individual patients
- K17 methods to check patient understanding and how to encourage participation and compliance
- K18 appropriate after care for patients following administration of contrast media

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K19 the contra-indications and potential reactions associated with the relevant imaging modality

K20 complications with administration and use of contrast media

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Additional Information

External links

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

Dimension: HWB6 Assessment and treatment planning

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