

## SFHCHS26

### Carry out, and conclude, dialysis therapy for individuals with established access



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#### Overview

This standard covers initiating, carrying out and concluding dialysis therapy, both haemodialysis and Continuous Ambulatory Peritoneal Dialysis, for chronic, stable, dialysis individuals who have established access. The therapy can occur in a number of settings including the individual's home, hospital or any other care setting.

This standard is not intended to cover acute cases and does not include inserting, connecting, monitoring and disconnecting cannulae and catheters.

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 apply standard precautions for infection prevention and control and other relevant health and safety measures
- P2 check the individual's identity and confirm the planned activity
- P3 give the individual relevant information, support and reassurance in a manner which is sensitive to their needs and concerns
- P4 gain valid consent to carry out the planned activity
- P5 confirm that dialysis equipment and material are:
  - P5.1 appropriate to the procedure
  - P5.2 fit for purpose
- P6 follow relevant procedures for reporting faults and any other problems
- P7 initiate dialysis correctly and safely according to the individual's plan of care
- P8 recognise any problems with the dialysis access site for dialysis promptly and take the appropriate action without delay
- P9 monitor the progress of dialysis effectively and adjust the process correctly in accordance with the individuals plan of care
- P10 take physiological measurements accurately using the correct technique and equipment at appropriate times according to the plan of care and seek immediate advice if any change or unexpected occurrence in the physiological readings are observed
- P11 interpret the measurements accurately, record them correctly using the required format and report them to the appropriate member of the care team
- P12 inform an appropriate member of the care team without delay if you are unable to obtain the measurement in the specified way
- P13 record any unexpected change in the individuals behaviour or condition or the equipment parameters accurately and report them to the appropriate person without delay
- P14 report any condition or behaviour which may signify an adverse reaction to dialysis without delay and take action appropriate to the individuals condition
- P15 conclude the dialysis safely and correctly when specified in the plan of care
- P16 disconnect the dialysis equipment from the individual safely and correctly, and in line with manufacturers instructions and protocols
- P17 record all relevant information fully and accurately in the correct manner and place

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### Knowledge and understanding

*You need to know and understand:*

- K1 the current European and National legislation, national guidelines, organisational policies and protocols in accordance with Clinical/Corporate Governance which affect your work practice in relation to carrying out and concluding dialysis therapy for individuals with established access
- K2 your responsibilities and accountability in relation to the current European and National legislation, national guidelines and local policies and protocols and Clinical/Corporate Governance
- K3 the duty to report any acts or omissions in care that could be detrimental to yourself, other individuals or your employer
- K4 the importance of applying standard precautions to carrying out and concluding dialysis therapy for individuals with established access and the potential consequences of poor practice
- K5 the importance of working within your own sphere of competence and seeking clinical advice when faced with situations outside your sphere of competence
- K6 the importance of applying standard precautions in all aspects of dialysis therapy and the potential consequences of poor practice
- K7 the normal anatomy of the kidney and physiology of blood filtration and urine formation
- K8 the principles of diffusion and osmosis in relation to dialysis
- K9 fluid and electrolyte balance
- K10 the reasons for undertaking dialysis
- K11 the information contained within the plan of care
- K12 how to recognise contra-indications which mean that you should seek advice before continuing with preparation of individuals
- K13 the types of emotional and physical support which different individuals may need during, and following, dialysis
- K14 the types of change which may happen to individuals - both physical and emotional - and why it is important to recognise and report any changes
- K15 what information needs to be recorded and reported in relation to preparing individuals for dialysis
- K16 what aspects of dialysis need to be monitored and adjusted
- K17 which physiological measurements need to be measured at which stage(s) of dialysis, why it is important to take the relevant physiological measurements, and why they need to be recorded at the times specified in the plan of care
- K18 the range of results which would be expected for different individuals, what constitutes an abnormal result
- K19 why unexpected or abnormal results should be reported immediately and

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- how the measurements obtained can affect the therapy being undertaken
- K20 how individuals and their families could be involved in taking measurements and why it is important to encourage their involvement
- K21 the common adverse reactions to dialysis, how to recognise them and what action to take if they occur
- K22 the common concerns which individuals may have regarding dialysis and the way in which it affects their lives
- K23 the importance of timing for dialysis, and the reasons why the length of therapy may be altered in the plan of care
- K24 the nature and function of haemodialysis machines and related equipment, the different types of machine which are available and their advantages and disadvantages for different individuals' conditions and needs
- K25 the equipment used in peritoneal dialysis and how this method of dialysis works
- K26 the different types and sites of dialysis access which individuals may have and the advantages and disadvantages of each
- K27 the reasons why:
  - K27.1 a safe, treated water supply is needed for haemodialysis
  - K27.2 specific sterile fluids must be used for peritoneal dialysis
- K28 how to check whether the machines and related dialysis equipment are functioning properly
- K29 relevant procedures for reporting faults and other problems with equipment and materials
- K30 what parameters on haemodialysis machines have to be set according to each individual's care plan and methods of setting controls
- K31 the sorts of access problems which may occur, how to recognise them and what action to take
- K32 the techniques and equipment to use for taking the different physiological measurements
- K33 how to disconnect the individual from dialysis
- K34 how to clean and/or disinfect machines and equipment, including what materials and cleaning techniques to use
- K35 the information that needs to be recorded and/or reported during and following dialysis
- K36 the importance of completing documentation clearly, legibly and accurately
- K37 the importance of immediately reporting any issues which are outside your own sphere of competence without delay to the relevant member of staff

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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: HWB7 Interventions and treatments

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**Developed by** Skills for Health

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**Version number** 1

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**Date approved** June 2010

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**Indicative review date** June 2012

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**Validity** Current

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**Status** Original

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**Originating organisation** Skills for Health

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**Original URN** CHS26

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**Relevant occupations** Health, Public Services and Care; Health and Social Care; Managers and Senior Officials; Associate Professionals and Technical Occupations; Health and Social Services Officers; Health Associate Professionals; Personal Service Occupations; Healthcare and Related Personal Services

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**Suite** Clinical Health Skills

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**Key words** Haemodialysis, Continuous Ambulatory Peritoneal Dialysis, CAPD

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