

SFHHCS6

Perform a range of procedures to monitor/support physiological response to modify function, performance or therapy



Overview

This standard relates to the performance of procedures to monitor and/or support physiological response to modify function, performance or therapy. The range of procedures/ investigations may involve measurements of response to various pharmacological agents or other agents and the use or adjustment of implantable or removable medical devices. The actual range of procedures/investigations undertaken will be dependant upon the context in which individuals work and may be performed within a range of settings. Where life support and/or pharmaceuticals or other agents are required within the procedures covered by this competence, individuals will need to use the appropriate related competences.

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 work within your level of competence, responsibility and accountability
- P2 confirm individuals identity, reason for referral and authorisation for the procedure
- P3 seek advice and support from relevant others where procedure, data or individuals response is outside of own area of expertise or experience
- P4 identify any special needs which may affect performance or influence results
- P5 apply health and safety measures, infection prevention and control and personal protective equipment appropriate to the procedure and clinical condition
- P6 select the appropriate procedures and quality check the operational parameters of the required equipment, resources and associated systems
- P7 safeguard the privacy, dignity and confidentiality of the individual throughout the procedure
- P8 check the individual's understanding and compliance and provide the necessary level of support and reassurance throughout the procedure
- P9 conduct the procedure in accordance with the approved protocol
- P10 where applicable, administer any drugs or other agents according to approved protocols and seek advice if this is outside your expertise
- P11 attach any monitoring devices to individual securely and in the correct position
- P12 select appropriate measurement parameters relevant to the individuals age, abilities and level of co-operation and device
- P13 establish baseline measurements, and use emerging data to optimise results to aid clinical diagnosis or treatment
- P14 establish appropriate end points for procedure performed and monitor individual for the appropriate period post procedure
- P15 where abnormal measurements are significant take the appropriate action
- P16 check the results for normal and abnormal physiological responses, identifying deviations and possible causal factors
- P17 confirm the completion of procedure with individual and relevant others and explain the next steps
- P18 accurately document results and any difficulties or influencing factors encountered during the procedure
- P19 maintain full, accurate and legible records and store in appropriate location in line with current legislation, guidelines, local policies and protocols

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Knowledge and understanding

You need to know and understand:

- K1 your own level of competence, authority and specialist knowledge base related to performing investigations on individuals to modify function and performance
- K2 the principles of anatomy and physiology and pathophysiology of disease relevant to your work practice and level of responsibility
- K3 the underpinning science, technology or engineering applicable to the types of procedures within your work practice
- K4 why it is important to confirm individual's identity, authorisation for the procedure and the implications of not doing so
- K5 the range of indicators requiring procedures to monitor and modify physiological response and function within your work practice
- K6 how to communicate effectively in the appropriate medium to meet the individual's needs and preferences
- K7 the relevance of current medications, their effects on physiological function relevant to your work practices
- K8 the range and types of procedures to monitor and/or support function and performance, their application, limitations and contra-indications for diagnosis or therapy relevant to your practice
- K9 the health and safety measures, infection prevention and control and personal protective equipment, their importance and their application within the procedure and the clinical condition of the individual
- K10 the importance of risk analysis, risk assessments and how to implement these within the investigation or therapy
- K11 how to select the required type of procedure relevant to the clinical condition and accommodate any influencing factors from the individual
- K12 how and where to obtain relevant information to support decisions regarding the investigation or therapy
- K13 why it is important to explain the likely side effects, risks and possible adverse effects of the investigation or the therapy to the individual and relevant others
- K14 why it is important to check the individual has fulfilled any pre-procedure
- K15 why it is important to adhere to protocols and procedures to modify function and performance of the individual or modify the equipment outputs
- K16 relevant equipment, their optimal performance and the importance of quality checks relevant to your work practice
- K17 where relevant, the underpinning principles of pharmacokinetics, precautions and modes of delivery used, relevant to your work practice
- K18 where applicable, the methods for measuring response to pharmacological interventions
- K19 the type and range of measurements to be taken, their correct sequence

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- and the type and quality of data expected
- K20 the importance of monitoring the individual and how to evaluate performance and make the required changes to functionality to support their health needs and how to manage adverse events
- K21 how to recognise the clinical warning signs shown by individuals requiring assistance in life support measures and how to access assistance
- K22 the normal ranges and expected deviations based on the individual's condition and clinical question
- K23 the importance of disclosure and confidentiality requirements in respect of medical and the individual's information in accordance with information governance
- K24 how to accurately document results in the required format, and the implications of incorrect, incomplete or inaccurate records
- K25 the current legislation, national guidelines, organisational policies and protocols, clinical and information governance within your work practice
- K26 the policies and guidance that clarify your scope of practice, accountabilities and the working relationship between yourself and others

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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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Suite Healthcare Science

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