SFHRT2
Produce duplicate models

Overview

This standard is concerned with the duplication of information, for example, casts/profiles/patterns that may be necessary for certain manufacturing procedures. It is not standard for all manufacturing processes. Users of this standard will need to ensure that practice reflects up to date information and policies.

Performance criteria

You must be able to:

- P1 apply standard precautions for infection prevention and control and take other appropriate health and safety measures
- P2 confirm the necessity to produce a duplicate model
- P3 select duplicating materials that are appropriate to the nature and construction requirements of the custom-made device and prepare them in the correct manner and quantity
- P4 where a cast is to be duplicated, apply a separating medium to the cast that is appropriate to the cast material and the processing method to be used
- P5 process the duplicating materials using the correct method for the materials concerned
- P6 separate the duplicate from the original in a manner that prevents damage
- P7 use working methods and systems throughout the process which are consistent with the assessed risks
- P8 confirm that the finished duplicate:
  - P8.1 is clean
  - P8.2 is free of defects
  - P8.3 conforms to the prescription
- P9 correctly identify the duplicate with the necessary information
- P10 make complete, accurate and up-to-date records relating to the identification, components and manufacture of the duplicate and store the records in the correct location consistent with relevant legislation

Knowledge and understanding

You need to know and understand:

K1 the current national legislation, guidelines and local policies and protocols which affect your work practice

K2 health and safety at work legislation and related procedures and liability, principles of, and how to apply legislation and regulations

K3 the correct measurement techniques for accurate duplication

K4 the reasons for maintaining records throughout the process and of clearly identifying the products during the manufacturing process

K5 the organisational procedures and requirements for the recording of information about incoming work, work in progress and work delivered, and the purpose of this

K6 quality audit systems, their purpose, nature and procedures, impact of the relevant regulatory body on the recording of incoming work, the detailed design and manufacturing specification and the recording of materials and processes

K7 the principles of quality assurance, processes and procedures for quality assurance in your workplace

K8 the methods used for setting and calibrating equipment and of testing that this is correct

K9 the effects of modifying manufacturers' components and products to meet production/usage requirements on the physical properties of the components/products and the legal implications

K10 the relevant regulatory body in monitoring the progress of devices through the production process

K11 the characteristics, properties and the processing of the commonly used materials

K12 the characteristics, properties and the techniques of the commonly used tools and equipment

K13 the musculo-skeletal system

K14 anatomical terminology

K15 the importance of reflecting on your practice and its relationship with continuing professional development

K16 the importance of keeping full and accurate records, and how to do so

Additional information

External Links

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

Dimension: HWB10 Products to meet health and wellbeing needs

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