



Australian Government

HLTDEN023 Produce a prescribed dental radiographic image

Release: 2

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Modification History

Release	Comments
Release 2	Release 2 HLTDEN023 Produce a prescribed dental radiographic image supersedes and is equivalent to Release 1 HLTDEN023 Produce a prescribed dental radiographic image. Updated: Mapping details and minor corrections.
Release 1	HLTDEN023 Produce a prescribed dental radiographic image supersedes and is equivalent to HLTDEN009 Produce a prescribed dental radiographic image.

Application

This unit of competency describes the performance outcomes, skills and knowledge required to operate dental radiographic equipment and position the patient correctly to produce an intraoral or extraoral diagnostic radiographic image.

Where work relates to extraoral radiography this includes orthopantomogram (OPG) and may include lateral cephalograms for orthodontic radiographic work-ups and excludes cone beam images.

This unit applies to dental assisting work under the instruction and supervision of the dental practitioner.

The skills in this unit must be applied in accordance with Commonwealth and State/Territory legislation, Australian standards and industry codes of practice.

No occupational licensing, certification or specific legislative requirements apply to this unit at the time of publication.

Dental radiography work must only be performed by a person with a radiation user licence granted by the relevant State/Territory regulatory authority under legislation.

Pre-requisite Unit

Nil

Competency Field

Dental Assisting

Unit Sector

Dental

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes

1. Position patient to obtain image.
2. Position dental radiographic receptor.
3. Operate radiographic imaging equipment safely to produce an intraoral or an extraoral image.
4. Process and provide quality assurance for the exposed dental image.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1. Implement and maintain radiation safety measures for the patient, practitioner and others throughout the procedure.
- 1.2. Correctly position patient according to the radiographic receptor unit used.
- 1.3. Ensure that communication with patient can be maintained after positioning.
- 2.1. Select exposure variables on the dental radiographic unit for an intraoral or extraoral image according to manufacturers' instructions, procedure and patient requirements.
- 2.2. Select radiographic technique for an intraoral or extraoral image prescribed by dental practitioner for the oral structure under investigation.
- 2.3. Position receptor and adjust setting according to the prescribed request and patient's requirements.
- 2.4. Select and use locating devices or guides to apply the correct horizontal and vertical planes for the radiograph.
- 2.5. Use accessories when required, according to manufacturers' instructions.
- 3.1. Operate intraoral or extraoral radiographic equipment according to manufacturers' instructions and legislative requirements for the safe use of radiation.
- 3.2. Ensure the patient remains visible throughout the procedure to observe positioning and safety precautions and expose the X-ray.
- 3.3. Remove the exposed intraoral dental radiographic receptor carefully from the mouth.
- 3.4. Separate the receptor and barrier sleeve when required.
- 3.5. Confirm that digital image is displayed correctly.
- 3.6. Ensure the image is attached to the correct patient file.
- 4.1. Process and view the image correctly.
- 4.2. Identify and correct artefacts.
- 4.3. Identify and critique errors in imaging technique to optimise exposure times for each individual patient.

- 4.4. Store de-identified images according to organisational policies and procedures.

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ced1390f-48d9-4ab0-bd50-b015e5485705>