



Australian Government

HLTDEP008 Construct and insert an implant retained overdenture

Release: 1

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Modification History

Release	Comments
Release 1	<p>This version was released in <i>HLT Health Training Package release 3.0</i> and meets the requirements of the 2012 Standards for Training Packages.</p> <p>Significant changes to the elements and performance criteria. New evidence requirements for assessment including volume and frequency requirements.</p> <p>Removal of pre-requisites.</p> <p>240 work placement hours</p> <p>Supersedes HLTDP608C</p>

Application

This unit of competency describes the skills and knowledge required to construct and place an aesthetic, and functional implant retained overdenture.

This unit applies to work in dental prosthetics where the dental prosthetist must enter into a structured professional relationship with a dentist as defined by the Dental Board of Australia before providing such treatment.

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

Elements and Performance Criteria

ELEMENT

Elements define the essential outcomes

1. Plan treatment

PERFORMANCE CRITERIA

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

1.1 Ensure a structured professional relationship with a dentist is established

1.2 Obtain accurate, complete and legal records of the patient's personal, medical and dental history

1.3 Provide details of the procedure to the patient or carer and obtain and document consent following ethical and legal requirements

ELEMENT	PERFORMANCE CRITERIA
Elements define the essential outcomes	<p>Performance criteria describe the performance needed to demonstrate achievement of the element.</p> <p>1.4 Make accessible in the clean zone of the surgery the patient's required laboratory work and necessary charts and records</p> <p>1.5 Ensure emergency procedures are in place and ready for use according to relevant guidelines</p>
2. Take a primary impression	<p>2.1 Select correctly the equipment, instruments and materials for the primary impression</p> <p>2.2 Apply standard precautions to take primary impressions of the maxilla and/or mandible using an impression material in stock edentulous trays</p> <p>2.3 Pour impression material in dental stone and trim for custom tray fabrication</p>
3. Prepare to take a final impression	<p>3.1 Fabricate a custom tray with sufficient spacing over impression copings</p> <p>3.2 Attach static (non-screw) retained impression copings to the abutments</p> <p>3.3 Attach impression copings to the abutments</p> <p>3.4 Try-in the custom tray in the mouth and check for comfort and path of insertion with sufficient space between tray and impression coping</p>
4. Take the final impression	<p>4.1 Paint the custom tray with an appropriate adhesive for the impression material to be used</p> <p>4.2 Mix the selected impression material according to the manufacturer's instructions and load material into custom tray</p> <p>4.3 Seat the impression tray over the impression copings</p>
5. Pour master and/or working models and fabricate occlusal rims	<p>5.1 Seat replica analogues into impression copings</p> <p>5.2 Pour master and/or working models</p> <p>5.3 Fabricate customised occlusal rims</p>

ELEMENT**PERFORMANCE CRITERIA**

Elements define the essential outcomes

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

6. Record jaw relationships and occlusion

- 6.1 Position the patient comfortably for the procedure
- 6.2 Instruct the patient on participation during the procedure
- 6.3 Ensure stability and comfort of registration rims
- 6.4 Observe centric and eccentric mandibular movements
- 6.5 Determine and record functional measurements and dimensions
- 6.6 Consider referral if jaw relationship cannot be determined
- 6.7 Check recordings by observation and repetition
- 6.8 Maintain integrity of the recording during extra-oral transfer
- 6.9 Ensure the patient's wellbeing before they leave dental workplace

7. Select appropriate artificial teeth

- 7.1 Ensure adequacy of natural and artificial light for selection of colour and shade
- 7.2 Consult patient regarding aesthetic and functional requirements
- 7.3 Consider properties and composition of artificial teeth in relation to wear and aesthetics
- 7.4 Examine manufacturer's mould and shade guides
- 7.5 Select artificial teeth that are appropriate in shade, size and shape

8. Fit and evaluate try-in prosthesis

- 8.1 Position the patient comfortably for the procedure
- 8.2 Instruct the patient on participation during the procedure
- 8.3 Examine the try-in prosthesis for retention and stability
- 8.4 Examine the occlusal relationships of the try-in prosthesis for accuracy of centric relation
- 8.5 Assess the aesthetic appearance of teeth and gums
- 8.6 Assess that speech has not been affected
- 8.7 Assess patient comfort
- 8.8 Complete documentation as required

ELEMENT**PERFORMANCE CRITERIA**

Elements define the essential outcomes

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

9. Process, evaluate and insert the completed overdenture

- 9.1 Position the patient comfortably for the procedure
- 9.2 Instruct the patient on participation during the procedure
- 9.3 Examine the prosthesis for retention and stability
- 9.4 Check the fitting surfaces of the appliance and ensure there are no sharp ridges or acrylic pearls
- 9.5 Place denture in the mouth and assess that no over-extensions occur along the periphery of the dentures
- 9.6 Seat denture onto overdenture abutments
- 9.7 Confirm the occlusal relationships are acceptable
- 9.8 Assess aesthetics of removable dental prosthesis
- 9.9 Assess phonetics of removable dental prosthesis
- 9.10 Assess patient comfort of removable dental prosthesis.
- 9.11 Provide instructions on the insertion and removal, hygiene and ongoing maintenance of the prosthesis and abutments
- 9.12 Ensure the dentist in the structured professional relationship is informed of completed final prosthesis

Foundation Skills

The Foundation Skills describe those required skills (language, literacy, numeracy and employment skills) that are essential to performance.

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

Unit Mapping Information

No Equivalent Unit

Links

Companion Volume implementation guides are found in VETNet -

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