



Australian Government

HLTOTH005 Modify orthopaedic devices

Release: 1

HLTOT H005 Modify orthopaedic devices

Modification History

No equivalent unit.

Application

This unit of competency describes the performance outcomes, skills and knowledge required to modify orthopaedic devices. Orthopaedic devices include braces and splints that are either prefabricated or customised.

The unit applies to orthopaedic technologists who work in healthcare settings, including operating theatres, emergency departments, wards and out of care client departments.

Work is performed at the request of, and in consultation with, medical staff. Simple modifications, which do not alter the intent of the orthopaedic device, may be performed at the technician's discretion. Some discretion and judgement are required, and individuals take responsibility for the quality of their outputs.

All activities are carried out in accordance with organisational policies, procedures and infection control guidelines.

The skills in this unit must be applied in accordance with Commonwealth and State or 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.

Pre-requisite Unit

Nil

Competency Field

Orthopaedic Technology

Unit Sector

Health

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes

PERFORMANCE CRITERIA

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

1. Prepare to modify orthopaedic devices.
 - 1.1. Receive and interpret orthopaedic device modification instructions in referral documentation and seek clarification if required.
 - 1.2. Identify safety hazards and risks, assess risks and implement risk control strategies to minimise risks to client and self.
 - 1.3. Perform hand hygiene and use personal protective equipment (PPE) according to work health and safety and infection control procedures.
 - 1.4. Source information through delegated subjective and clinical assessments to determine client condition, individual needs, to identify precautions and potential complications.
 - 1.5. Provide relevant and timely feedback including liaising with medical practitioner for conditions requiring immediate review.
 - 1.6. Liaise with healthcare team to discuss subjective and objective findings and confirm instructions.
 - 1.7. Explain orthopaedic device modification procedure to client, provide opportunities to ask questions and discuss areas of concern.
 - 1.8. Obtain client consent to proceed with orthopaedic device modification.
2. Apply orthopaedic device modification techniques.
 - 2.1. Assemble equipment and inspect to confirm it is clean and in working order in accordance with manufacturer specifications.
 - 2.2. Communicate with clients in a caring and respectful manner.
 - 2.3. Monitor client to identify and manage client anxiety.
 - 2.4. Position client for correct anatomical positioning of limb and confirm client comfort and safety.
 - 2.5. Refresh and maintain clean skin.
 - 2.6. Select and use equipment and orthopaedic device modification techniques to modify orthopaedic device according to instructions.
 - 2.7. Adjust orthopaedic device to achieve correct moulding and alignment to maintain soft tissue and fracture position according to instructions.
 - 2.8. Check and confirm fit and function of orthopaedic device to meet instructions and individual client needs.

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| 3. Undertake post modification procedures. | <p>3.1. Check neurovascular status of limb to confirm within normal limits.</p> <p>3.2. Fit prescribed aid as required for client condition and instruct in use, including donning and doffing the brace.</p> <p>3.3. Review client for safe and correct use of the aid.</p> <p>3.4. Provide written and verbal advice for care of orthopaedic devices according to referral from the healthcare team and discuss client concerns.</p> <p>3.5. Identify and report self-management concerns to healthcare team and arrange support within limitations of job role.</p> <p>3.6. Complete clinical records according to documentation procedures.</p> |
| 4. Clean working environment. | <p>4.1. Remove PPE and perform hand hygiene according to work health and safety and infection control procedures.</p> <p>4.2. Dispose of waste according to waste management procedures.</p> <p>4.3. Clean, sanitise and store equipment according to manufacturer specifications.</p> <p>4.4. Clean work surfaces according to infection control procedures.</p> |

Foundation Skills

Foundation skills essential to performance in this unit, but not explicit in the performance criteria are listed here, along with a brief context statement.

SKILLS	DESCRIPTION
Oral communication skills to:	<ul style="list-style-type: none"> • ask open and closed questions and actively listen to determine and meet needs of client • communicate with people from diverse backgrounds • manage conflict.
Numeracy skills to:	<ul style="list-style-type: none"> • read, use and discuss spatial and measurement information in referrals, x-rays, CT scans and MRI scans.
Teamwork skills to:	<ul style="list-style-type: none"> • collaborate and cooperate with multidisciplinary teams and healthcare professionals.
Technology skills to:	<ul style="list-style-type: none"> • access and record clinical records and referrals.

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>