



**Australian Government**

# **HLTRNL004 Apply renal replacement therapy**

**Release: 2**

## HLTRNL004 Apply renal replacement therapy

### Modification History

Release	Comments
Release 2	Release 2 HLTRNL004 Apply renal replacement therapy supersedes and is equivalent to Release 1 HLTRNL004 Apply renal replacement therapy.  Updated: Mapping details and minor corrections.
Release 1	HLTRNL004 Apply renal replacement therapy supersedes and is not equivalent to HLTRNL002 Provide care and support to a person undergoing renal replacement therapy.

### Application

This unit describes the performance outcomes, skills and knowledge required to provide care and support to a person in health and community settings undergoing renal replacement therapy including peritoneal dialysis and haemodialysis.

This unit applies to enrolled nurses, registered with the Nursing and Midwifery Board of Australia (NMBA), seeking specialisation in enrolled nurse work that is carried out in consultation and collaboration with registered nurses, and under direct or indirect supervisory arrangements aligned to the NMBA regulatory authority legislative requirements.

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.

### Pre-requisite Unit

Nil

### Competency Field

Renal

### Unit Sector

Nursing

## Elements and Performance Criteria

### ELEMENTS

### PERFORMANCE CRITERIA

*Elements describe the essential outcomes*

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

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. Establish therapeutic relationship to support self-management of renal replacement therapy.</li> <li>2. Assess physical health status for dialysis.</li> <li>3. Perform peritoneal dialysis exchange.</li> <li>4. Assist with self-care management of</li> </ol> | <ol style="list-style-type: none"> <li>1.1. Perform physical assessment to establish cognitive ability to support self-management of renal replacement therapy.</li> <li>1.2. Provide opportunity for care dialogue and clarify elements of concern.</li> <li>1.3. Encourage open dialogue and comprehensive engagement in therapeutic intervention.</li> <li>1.4. Provide education to encourage self-care management of renal replacement therapy.</li> <li>1.5. Identify areas of concern relating to self-management of renal replacement therapy, and report to multidisciplinary health care team.</li> <li>1.6. Provide referral to primary health, tertiary health and community services in collaboration with multidisciplinary health care team.</li> <li>2.1. Perform physical pre-dialysis assessment and report outcomes to multidisciplinary health care team.</li> <li>2.2. Inspect person's access device for suitability for dialysis for foreseeable treatment risks.</li> <li>2.3. Perform specimen collection of access and catheter sites for microbiological analysis.</li> <li>2.4. Identify physical health risks related to dialysis prescription, and document and report.</li> <li>3.1. Examine peritoneal dialysis catheter exit site and perform exit site dressing.</li> <li>3.2. Prepare peritoneal dialysis additives for dialysis bag in line with delegation and identify causes of peritoneal fluid failure to drain.</li> <li>3.3. Perform peritoneal exchange according to prescribed treatment order and organisational policies and procedures.</li> <li>3.4. Monitor risks associated with treatment during procedure.</li> <li>3.5. Document and refer identified risks and clinical features suggestive of dialysis-related peritonitis.</li> <li>3.6. Identify acute and delayed adverse reactions to dialysis additives and respond within scope of work role.</li> <li>3.7. Document and report treatment outcomes.</li> <li>4.1. Appraise competence and readiness for the procedure and self-management including technique for Tenckhoff catheter</li> </ol> |
|--|---|

- peritoneal dialysis.                      care and provide education.
- 4.2. Provide assistance and education relating to peritoneal dialysate fluid exchange.
  - 4.3. Monitor treatment progress and ensure supporting documentation is complete.
  - 4.4. Identify and respond to procedural variations and risk during peritoneal dialysis treatment.
  - 4.5. Collect effluent specimen for microbiological analysis.
  - 4.6. Assess response to treatment and document and report outcomes.
  - 4.7. Perform self-management appraisal on peritoneal dialysis consumables, sustainable practice and waste minimisation.
5. Prepare person and equipment for haemodialysis.
- 5.1. Explain procedure and prepare for treatment.
  - 5.2. Apply hand hygiene and use of personal protective equipment (PPE) in accordance with infection prevention and control guidelines.
  - 5.3. Prepare dialysis machine and determine dialysis settings.
  - 5.4. Identify site for cannulation and signs of fistula stenosis and infection, and report abnormalities prior to commencement of procedure.
  - 5.5. Prepare and perform cannulation according to organisational policies and procedures.
6. Perform haemodialysis.
- 6.1. Connect haemodialysis machine according to organisational policies and procedures and infection prevention and control guidelines.
  - 6.2. Monitor for signs of deterioration during haemodialysis and report variations in health status.
  - 6.3. Identify and respond to machine alarms and other problems with haemodialysis.
  - 6.4. Assess response to treatment and other interventions as administered.
  - 6.5. Identify, respond and document adverse reactions.
  - 6.6. Complete haemodialysis machine disconnection in accordance with organisational policies and procedures.
  - 6.7. Provide equipment care in accordance with infection prevention and control guidelines and manufacturer instructions.
  - 6.8. Inspect vascular access site pre- and post-procedure and report adverse findings.
7. Evaluate health status at completion of dialysis.
- 7.1. Complete post-dialysis assessment.
  - 7.2. Evaluate treatment and report.
  - 7.3. Provide feedback of physical health assessment.

7.4. Provide opportunities to listen to concerns and respond.

## **Foundation Skills**

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

## **Unit Mapping Information**

HLTRNL004 Apply renal replacement therapy supersedes and is not equivalent to  
HLTRNL002 Provide care and support to a person undergoing renal replacement therapy.

## **Links**

Companion Volume implementation guides are found in VETNet -  
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ced1390f-48d9-4ab0-bd50-b015e5485705>