

Centre for Prehospital Care  
**PROCEDURE**

**CATEGORY:** Program Specific  
**ISSUE DATE:** May 2015  
**SUBJECT:** HOME DIALYSIS EMERGENCY DISCONNECT

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<b>Document Owner:</b> Regional Education and Certification Coordinator	<b>Name:</b> Paul Myre
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**PURPOSE:**

To ensure a consistent standardized practice regarding prehospital Emergency Dialysis Disconnect.

**PROCEDURE**

**Special Instructions**

- This procedure may only be applied by paramedics certified by Health Sciences North Centre for Prehospital Care (HSN CPC) to perform Home Dialysis Emergency Disconnect.
- Home Dialysis Emergency Disconnect only applies when the patient is unable to disconnect or there is no family member or caregiver available or knowledgeable in dialysis disconnect.

**Method**

1. For Continuous Ambulatory Peritoneal Dialysis (CAPD)
  - A. Close the twist clamp.
  - B. Clamp the tubing leading to the fill and drain bags.
  - C. Disconnect the patient tubing from the bag tubing.
  - D. Apply new mini cap to Transfer set.
  - E. Secure patient side tubing and cover with sterile abdominal pad.
2. For Urgent disconnect of CAPD where cutting lines is required
  - A. Clamp extension line and patient peritoneal dialysis (PD) catheter (twist or roller clamp).
  - B. Clamp both fill and drain lines and then cut between clamps.
  - C. DO NOT cut transfer set or PD catheter.
  - D. If able, aseptically apply a mini cap to transfer set instead, ensuring catheter is clamped.
3. For Continuous Cycling Peritoneal Dialysis (CCPD) or Automated Peritoneal Dialysis (APD)
  - A. Turn the main power switch off at the back of the Cycler.
  - B. Close the twist clamp.
  - C. Clamp the extension line from the cycler
  - D. Disconnect the patient tubing from the machine tubing.
  - E. Screw one of the sterile mini caps onto the patient side tubing.

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- F. Secure patient side tubing and cover with sterile abdominal pad.
- 4. For Urgent disconnect of CCPD or APD where cutting lines is required
  - A. Turn the main power switch off at the back of the Cyclor.
  - B. Clamp extension line (from cyclor), clamp patient PD catheter (twist or roller clamp), then cut between clamps. DO NOT cut transfer set or PD catheter.
  - C. If able, aseptically apply a mini cap to transfer set instead, ensuring catheter is clamped.
- 5. For home hemo-dialysis
  - A. Turn main power switch off at the back of the Domus (toggle switch).
  - B. Clamp the two (2) clamps on the vascular access tubing (first clamps coming from the patient).
  - C. Clamp the 2 clamps on the tubing originating from the Domus.
  - D. Disconnect luer lock between the 2 clamps.
  - E. If available, apply sterile mini caps to the end of tubing.
  - F. Secure the tubing to the patient's arm with tape
  - G. Cover/secure with abdominal dressing.
- 6. For urgent disconnect of home hemo-dialysis where cutting lines is required
  - A. Turn main power switch off at the back of the Domus (toggle switch).
  - B. Apply clamps to vascular access lines and then cut between clamps.
  - C. DO NOT cut central line catheter.
  - D. Secure the lines to the patient's arm with tape.
  - E. If able, aseptically attach saline filled syringes to fistula extension sets or central line and flush.
  - F. If available, apply sterile mini caps to the end of tubing.
  - G. Cover/secure with abdominal dressing.

## EDUCATION AND TRAINING

### Related Documents

Advanced Life Support Patient Care Standards version 3.3

Advanced Life Support Patient Care Standards Companion Document version 3.3

2015 HSN CPC Spring Rounds presentation