

Automated Peritoneal Dialysis (APD) Disconnection with Opticap Procedure – HomeChoice Dialysis Machine

Cross References	APD disconnection with Opticap for home PD patients; Renal Department Protocol
1. Purpose	To ensure APD disconnection with Opticap procedure is performed according to best practice guidelines reducing the risk of infection and ensuring patient safety
2. Process	
<p>2.1 Safeguard</p> <p>Safeguard 1: Frequent disconnection from Homechoice machine during dialysis is not encouraged due to increased risk of contamination.</p> <p>Safeguard 2: Disconnection from Homechoice machine during dialysis is limited to toilet breaks or urgent medical procedures to reduce risk of contamination.</p> <p>Safeguard 3: Limit disconnections from Homechoice machine during dialysis to maximum of 2 for every 10 hour APD therapy to reduce risk of contamination.</p> <p>Safeguard 4: Patients requiring >2 disconnections from Homechoice machine during dialysis must be converted to CAPD to reduce risk of contamination.</p> <p>2.2 Devices</p> <p>2.1.1 Equipment</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sterile Gloves <input type="checkbox"/> Micropore tape <p>2.1.2 Key parts</p> <ul style="list-style-type: none"> <input type="checkbox"/> Opticap <p>2.1.3 Key site</p> <ul style="list-style-type: none"> ▪ PD catheter 	

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2.3 Procedure

1. Press the red (STOP) button to pause/stop dialysis
 - If possible to wait, pause/stop and disconnect whilst on DWELL phase
2. Clamp the patient line
3. Perform hand hygiene
4. Don non-sterile gloves
5. Close the catheter valve until it “clicks”
6. Open Opticap
7. Perform hand hygiene
8. Don sterile gloves
9. Perform disconnection procedure ensuring all key parts/sites are protected:
 - a. Disconnect patient line using non-touch disconnection technique
 - b. Place patient line back on the blue line organiser
 - c. Remove minicap from Opticap
 - d. Place new minicap on catheter using non-touch technique
 - e. Remove blue divider and place Opticap onto patient line using non-touch technique
10. Secure the PD catheter on abdomen with tape
11. Remove gloves and perform hand hygiene
12. Once patient returns, expose the catheter and keep away from clothing
13. Perform hand hygiene
14. Don sterile gloves
15. Perform connection procedure ensuring all key parts/sites are protected:
 - a. Remove the Opticap from the patient line
 - b. Remove the minicap from the catheter
 - c. Connect catheter to patient line using non-touch connection technique
16. Open the catheter valve
17. Open the clamp on patient line
18. Press GO (green button) to continue dialysis
19. Document the frequency of disconnection on APD chart and patient notes
20. Handover to the next shift.

3. Network file location/reference, if applicable	St George Hospital Renal Website: http://stgrenal.med.unsw.edu.au/StGRenalWeb.nsf
4. External References / Further	Baxter Homechoice and Homechoice Pro APD Systems, Software version 10.4 Patient At Home Guide; http://www.baxter.com/downloads/patients_and_caregivers/products/10.4_FULL

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Reading	VERSION PAHG 071963293.pdf Dombros, N., Dratwa, M., Feriani, M., Gokal, R., Heimbürger, O., Krediet, R., . . . Verger, C. (2005). European best practice guidelines for peritoneal dialysis. 6 Automated peritoneal dialysis. Nephrol Dial Transplant, 20 Suppl 9, ix21-ix23. doi: 10.1093/ndt/gfi1120
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Revision and Approval History

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