**MANITOBA RENAL PROGRAM**

<table>
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<tr>
<th>SUBJECT</th>
<th>SECTION</th>
<th>30.80  Peritoneal Dialysis</th>
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<td>CODE</td>
<td>30.80.11</td>
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<tr>
<th>AUTHORIZATION</th>
<th>EFFECTIVE DATE</th>
<th>March 2005</th>
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<tr>
<td>Professional Advisory Committee, Manitoba Renal Program</td>
<td>REVISION DATE</td>
<td>October 2012</td>
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<tr>
<td>Nursing Practice Council, St. Boniface Hospital</td>
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**PURPOSE:**

1. To check for catheter patency and to promote appropriate outflow from the peritoneal cavity.

**POLICY:**

1. All Registered Nurses (RN) and Licensed Practical Nurses (LPN) who have received education and training and who are competent may perform this procedure.

2. Registered Nurses (RN) and Licensed Practical Nurses (LPN) outside of the PD unit will consult with the PD unit/Nephrologist prior to irrigating the PD catheter.

3. Notify the Nephrologist if the catheter remains plugged after irrigation.

**EQUIPMENT:**

- 20 mL syringe (2)
- Blunt fill needle (2)
- Sterile 0.9% saline solution
- alcohol swab(s)
- Opticap Disconnect Cap with Povidone Iodine Solution (Opticap)
- 2 Sterile mini cap packages (if procedure done in dwell phase).

**KEY POINTS:**

- Check expiry date
- Check expiry date
- Second mini cap in case of contamination

**PROCEDURE:**

**A. CAPD:**

1. Draw up 20 ml of sterile 0.9% saline solution into each of 2 – 20 ml syringes.

2. Ensure twist clamp on transfer set is closed and clamp drain line if CAPD line attached.
PROCEDURE:

3. Perform hand hygiene.

4. Open Opticap package and keep within easy reach.

5. Disconnect CAPD line from transfer set (or remove mini cap from transfer set if procedure is done during dwell phase of exchange).

6. Apply mini cap to exposed transfer set.

7. Apply opticap to exposed end of CAPD line.

8. Remove mini cap from transfer set.

9. Attach 20 ml syringe of sterile 0.9% saline solution to transfer set.

10. Open twist clamp on transfer set.

11. Using gentle pressure, infuse sterile 0.9% saline solution into the peritoneal cavity.

12. Gently attempt to aspirate. Even if unable to aspirate, continue with the next step.

13. Close twist clamp on transfer set.


15. Attach second syringe to transfer set, open twist clamp and infuse 0.9% saline solution into the peritoneal cavity.


17. Remove syringe.

18. Attach CAPD line (or mini cap if procedure done in dwell) to transfer set.

19. Open clamp on transfer set and remove clamp on drain line to resume drainage from cavity.

B. APD Cycler:

1. Draw up 20 ml 0.9% saline solution into 2 – 20 ml syringes.

2. Press “STOP”.

3. Close twist clamp on transfer set.

4. Close clamp on cycler patient line.

KEY POINTS:

- The opticap package contains a mini cap and an opticap disconnect cap.

- Mini cap maintains sterility of the exposed end of the transfer set.

- Opticap maintains sterility of the exposed end of the CAPD line.

- Do not aspirate with second syringe.

- Finishing with a flush promotes patency of the catheter.

- Irrigation can be done in any phase of the cycler program.
PROCEDURE:

5. Perform hand hygiene.

6. Disconnect patient line of cycler from transfer set.

7. Apply mini cap to exposed end of transfer set.

8. Apply opticap to exposed cycler patient line and place line in organizer.

9. Remove mini cap from transfer set and attach 20 ml syringe to transfer set.

10. Open twist clamp on transfer set.

11. Using gentle pressure, infuse sterile 0.9% saline solution into the peritoneal cavity.

12. Gently attempt to aspirate. Even if unable to aspirate, continue with the next step.

13. Close twist clamp on transfer set.


15. Attach 2nd syringe to transfer set, open twist clamp and infuse sterile 0.9% saline solution.


17. Remove syringe.

18. Remove Opticap from cycler patient line and attach patient line to transfer set.

19. Open clamps on transfer set and patient line.


KEY POINTS:

- Mini cap maintains the sterility of the exposed end of the transfer set.

- Opticap maintains the sterility of the exposed end of the cycler patient line.

DOCUMENTATION:

- Patient health record
  - reason for flush
  - result of flush

REFERENCES:
