



MANITOBA RENAL PROGRAM

SUBJECT <ul style="list-style-type: none"> ▪ Attachment of Baxter ® MiniCap Extended Life Transfer Set with twist clamp to Peritoneal Catheter 	SECTION 40.10 Peritoneal Dialysis Procedures
	CODE 40.10.01
AUTHORIZATION <ul style="list-style-type: none"> ▪ Professional Advisory Committee, Manitoba Renal Program ▪ Nursing Practice Council, St. Boniface Hospital 	EFFECTIVE DATE September 2003
	REVISION DATE September 2006 May 2012 October 2014 January 2017

PURPOSE:

1. To attach the Baxter ® MiniCap Extended Life Transfer Set (transfer set) with twist clamp to the peritoneal catheter using sterile technique.

POLICY:

1. The transfer set is attached to the peritoneal catheter prior to the initiation of the peritoneal dialysis treatments.
2. The transfer set is changed routinely every six to nine months in clinic.
3. The Nephrologist is notified and the transfer set is changed in the following situations:
 - i. the MiniCap is missing
 - ii. the transfer set has a crack
 - iii. the transfer set has malfunctioned
 - iv. the transfer set has fallen off

Antibiotic prophylaxis will be required. Contact Nephrologist for orders. Please refer to 70.30.05 *Contamination Protocol.*

4. All Registered Nurses (RN) and Licensed Practical Nurses (LPN) who have received education and training and who are competent may perform this procedure.
5. Notify patient's home PD unit if transfer set is changed.

EQUIPMENT:

- Peritoneal dialysis tray
- 10% povidone iodine solution
- 2 pkg sterile 10 x 10 cm gauze
- Sterile gloves
- Baxter ® MiniCap Extended Life PD Transfer Set with twist clamp (transfer set)
- MiniCap Disconnect Cap(2)
- 3 mL syringe
- 0.9% NaCl for injection
- Alcohol swab

KEY POINTS:

- **check expiry date**
- Second MiniCap in case of contamination

- Blunt Fill Needle

PROCEDURE:

1. Perform hand hygiene.
2. Gather supplies.
3. Open tray. Add povidone iodine, 3 mL syringe, blunt fill needle, 10 x 10 cm gauze, transfer set, and MiniCap.
4. Wipe top of 0.9% NaCl vial with alcohol swab.
5. Perform hand hygiene.
6. Apply sterile gloves.
7. Displace air in the new sterile transfer set:
 - Holding vial with a 10 x 10 cm gauze, draw up 3 mL 0.9% NaCl into syringe.
 - Remove sterility cap from the dark blue tip of the transfer set.
 - Luer lock 3 mL syringe to the dark blue tip of the transfer set and instill 0.9% NaCl into transfer set to displace the air.
 - Close twist clamp on transfer set, remove syringe, and apply MiniCap to transfer set.
8. Pick up catheter with a sterile 10 x 10 cm gauze and place sterile drape under catheter.
9. Scrub connection for 30 seconds with a 10 x 10 cm gauze moistened in 10 % Povidone iodine solution while holding catheter with the dry gauze.
10. Wrap a new sterile 10 x 10 gauze moistened in 10% Povidone iodine solution around the catheter connection, ensuring a total two minute wet contact time with connector and the povidone.
11. With a new 10 x 10 cm gauze moistened in 10% Povidone iodine solution, wipe catheter from connection site to halfway to base of catheter.
12. Remove the wet Povidone gauze wrap from around the catheter connection. Lay on sterile 10 X 10 gauze on sterile field
13. Allow 10% Povidone iodine to dry completely.
14. Fold a new dry 10x10 cm gauze around connection site and catheter.
15. Clamp catheter using the sterile clamp from the Peritoneal Catheter dressing tray.

KEY POINTS:

- Maintain sterile field.
- Important to maintain sterility of gloves.
- To protect sterility of gloves.
- Total two minute wet contact time includes the 30 seconds of scrubbing.
- Drying time is important for antiseptic effect.
- **Ensure that a portion of the gauze is placed between the clamp and the catheter to protect the catheter from damage.**

PROCEDURE:

16. Attach transfer set as follows:
 - Use 10 X 10 cm gauze to remove old transfer set or white locking cap from titanium end of catheter.
 - Remove sterility cover from new transfer set.
 - Luer lock new transfer set to titanium end of catheter.
 - Remove clamp from catheter.
17. Anchor transfer set to abdomen.
18. Remove gloves and perform hand hygiene.

KEY POINTS:

- To maintain sterility of gloves.
- Ensure new transfer set is threaded correctly and connection is tight.
- Transfer set and catheter immobilization prevents trauma and infection to the exit site and promotes healing of the exit site.

DOCUMENTATION:

- Document the date of transfer set change in the Patient Health Record and Kardex
- Document the reason for change in the Patient Health Record

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