



MANITOBA RENAL PROGRAM

SUBJECT <ul style="list-style-type: none"> Instillation of Medication into Peritoneal Dialysis Solution 	SECTION 40.10 Peritoneal Dialysis Procedures
	CODE 40.10.03
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 March 2012 March 2013 October 2015 April 2016

PURPOSE:

- To provide for the sterile addition of medications to the peritoneal dialysate solution for intra-peritoneal (IP) medication administration.

POLICY:

- Medications are added as per physician order.
- All Registered Nurses (RN) and Licensed Practical Nurses (LPN) who have received education and training and who are competent may perform this procedure.

EQUIPMENT:

- Syringe(s)
- 21 gauge needles(s) or blunt tipped 18 gauge needle(s) (minimum 1" length)
- Alcohol swabs
- Prescribed medication
- Dialysate solution
- Medication label(s)

KEY POINTS:

- Insulin syringe(s) with 1" needle if injecting insulin.
- Ensure compatibility of medication and dialysis solution. (See 40.10.03a *Appendix A IP Drugs and 40.10.03b Appendix B IP KCI*).

PROCEDURE:

- Perform hand hygiene.
- Gather equipment.

KEY POINTS:

- Ensure correct solution volume, dextrose concentration, solution type, temperature, and expiry date before opening outer wrap of dialysate solution bag.
- Ensure clarity of solution, intact port cap and connector cover, and no leaks by squeezing bag

PROCEDURE:

3. Draw up prescribed medication. (See 40.10.03a *Appendix A IP Drugs and 40.10.03b Appendix B IP KCI*)
4. Perform hand hygiene.
5. Swab the medication port(s) on the dialysate bag(s) using the alcohol swab.
6. Inject the medication by inserting the needle up to the hub to ensure that the needle surpasses the seal in the port thus avoiding medication becoming trapped in the port.
7. Tap port to ensure medication is not trapped in the port.
8. Gently rotate the dialysate bag back and forth to distribute the medication throughout the dialysate solution.
9. Apply medication label(s) to medicated bag(s).

KEY POINTS:

prior to injecting medication into bag.

- The addition of I.P. medications is not limited to those listed in Appendix A and Appendix B.
 - If medicating more than one bag use a separate needle and syringe for each bag.
 - If using more than one medication in a dialysate bag, use a separate syringe and needle for each medication.
 - If preparing insulin, use an insulin syringe with 1" needle.
 - **Note: Verify which medications require a two nurse check. (Refer to your facility's policy).**
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- Allow a 15 second contact time.
 - Swab the medication port with a fresh alcohol swab before each medication.
 - Recheck for leaks by squeezing bag.

DOCUMENTATION:

- Medication Administered in Patient Health Record as per facility policy.
- CAPD Record/APD Record
- Medication Mixture Log Sheet (for 2 nurse check) as required per facility

REFERENCES:

Peritoneal Dialysis, A guide to Medication Use. Nephrology Pharmacy Associates, American Regent Laboratories, Inc. 2001.

Kaler, W. and Chinn, R. (2007) *Successful Disinfection of Needleless Access Ports: A Matter of Time and Friction.* Association for Vascular Access 12(3), 140-142.

MRP website, Pharmacists, <http://www.kidneyhealth.ca/wp/healthcare-professionals/resources/363-2/>