



MANITOBA RENAL PROGRAM

SUBJECT <ul style="list-style-type: none"> Silver Nitrate Application 	SECTION 40.10 Peritoneal Dialysis - Procedures
	CODE 40.10.11
AUTHORIZATION <ul style="list-style-type: none"> Professional Advisory Committee, Manitoba Renal Program Nursing Practice Council, St. Boniface Hospital 	EFFECTIVE DATE September 2006
	REVISION DATE May 2012 December 2014 May 2017

PURPOSE:

- To remove hypergranulation tissue from the peritoneal catheter exit site.

POLICY:

- Hypergranulation tissue is removed from the peritoneal catheter exit site as per Nephrologist order.
- Peritoneal Dialysis Training Nurses may perform this procedure.

EQUIPMENT:

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| <ul style="list-style-type: none"> Sterile water Syringe (3 mL) 18g blunt needle Alcohol swab Silver nitrate sticks (2) Peritoneal dialysis tray Sterile gloves (2) Non-sterile gloves Adhesive dressing 5x5 cm sterile gauze 0.9% NaCl (single use) | <p>Check expiry date</p> <p>Check expiry date</p> <p>Check expiry date</p> |
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PROCEDURE:

- Perform hand hygiene.
- Gather equipment.
- Using non-sterile gloves, gently remove dressing from exit site.
- Perform hand hygiene.

KEY POINT:

- Gentle removal prevents exit site and tunnel trauma which can disrupt healing and cause infection.

PROCEDURE:

5. Open tray and add:
 - 0.9% NaCl
 - 5x5 cm gauze
 - Silver Nitrate sticks.
 - Sterile water:
6. Apply sterile gloves.
7. Gently clean exit site:
 - Holding catheter with dry 10x10 cm gauze, apply 0.9% NaCl to exit site using a cotton applicator.
 - With a second moist cotton applicator, remove any loose crusts.
 - Clean abdomen with 0.9% NaCl moistened gauze starting at exit site and moving away from exit site.
 - Dry exit site with cotton applicator.
 - **Repeat if necessary to ensure exit site is dry.**
 - Dry abdomen with 10 x 10 cm gauze starting at the exit site and moving away.
8. Dip the silver nitrate tip in sterile water.
9. Apply to granulation tissue.
10. Repeat, if necessary, with a new silver nitrate stick.
11. Apply new sterile gloves.
12. Dry area well with sterile 10x10 cm gauze.
13. Cover exit site with a 5x5 cm gauze and apply an adhesive dressing over gauze.
14. Anchor transfer set to abdomen.

KEY POINT:

- Position the silver nitrate tip only on the sterile field
- Draw up using alcohol swab, 3 ml syringe and blunt tip needle, add to tray.

- See procedure *40.10.06 Peritoneal Catheter Exit Site Care*.

- Ensure exit site and surrounding area is dry to prevent tracking of silver nitrate to healthy tissue.
- 10 x 10 cm gauze available in tray.

- Tissue will turn to a grayish black colour.
- **Do Not** apply to healthy tissue.
- **Do Not** allow silver nitrate stick to touch catheter.

- **Prevents tracking of silver nitrate to healthy tissue.**
- Use sterile gloved hand to put gauze on exit site. See procedure *40.10.06 Peritoneal Catheter Exit Site Care*.
- Transfer set and catheter immobilization prevents trauma and infection to the exit site and promotes healing of the exit site.

DOCUMENTATION:

- In patient health record:
 - Reason for application
 - Treatment plan
 - Return follow up appointment

REFERENCES:

- Gokal, R., Alexander, S., Ash, S., Chen, T.W., Danielson, A., et al. (1998). Peritoneal Catheters and Exit-Site Practices Toward Optimum Peritoneal Access: 1998 Update. *Peritoneal Dialysis International*, Vol 18, pp 11-33.
- Prowant, B. (2006). Peritoneal dialysis access. In Molzahn, A. & Butera, E. (Eds.), *Contemporary nephrology nursing: principles and practices, second edition* (pp. 661-709). Pitman: American Nephrology Nurses Association.