



**NEPHROLOGY PROGRAM
DEPARTMENT POLICIES AND PROCEDURES**

**Home Dialysis - Section 09 - Peritoneal Dialysis - HDU 9-05
Performing a Transfer Set Change
No.: 01482 (TOH Standardized Policy Number)**

ISSUED BY:

Home Dialysis Unit Clinical Practice
Committee

DATE OF APPROVAL:

2007/11

APPROVED BY:

Program Clinical Director / Division Head

LAST REVIEW/REVISION DATE:

2017/02

CATEGORY:

Peritoneal Dialysis

IMPLEMENTATION DATE:

2007/11

PURPOSE

- To reduce the risk of infection by changing the Peritoneal Dialysis (PD) catheter transfer set on a regular basis or after other risks of contamination have occurred

POLICY STATEMENT:

- Transfer sets are routinely changed every 6 months.
- Other indications for transfer set changes are:
 - wet contamination
 - faulty transfer set tubing
 - fibrin blockage

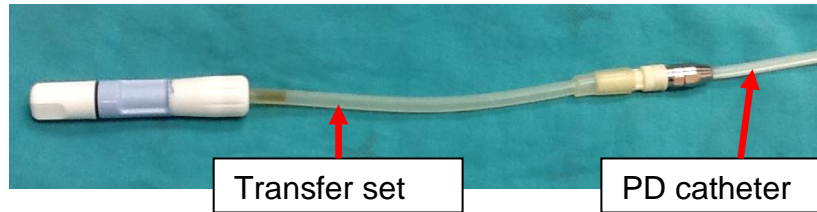
DEFINITION(S):

- 1. Peritoneal Dialysis (PD) catheter** – is a soft silicone or polyurethane tube which is inserted into the abdominal cavity. It commonly has 1 or 2 Dacron cuffs (similar to a tunnelled CVAD catheter) which serve:
 - to stabilize/secure the catheter in place
 - as a barrier against the movement of microorganisms along the tunnel
 - to prevent leaks

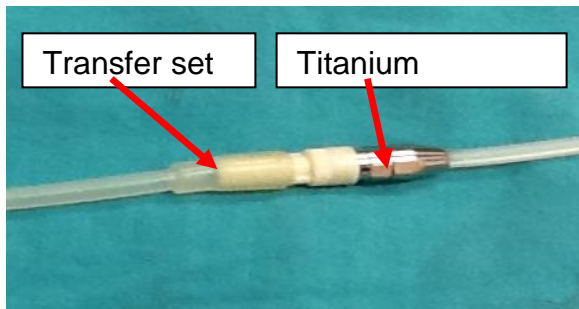
The external end of the catheter has a titanium or resin connector on it. The internal end has numerous holes and is ideally situated low in the peritoneal cavity

2. **Transfer set** – is a piece of tubing which is attached at one end to the titanium connector or Beta cap adaptor (resin connector), see figure 1. The other end has a twist clamp which opens and closes to allow the flow of fluid through the catheter. When the catheter is not being used, this end is always protected with a mini-cap which has a small Providone-iodine sponge inside

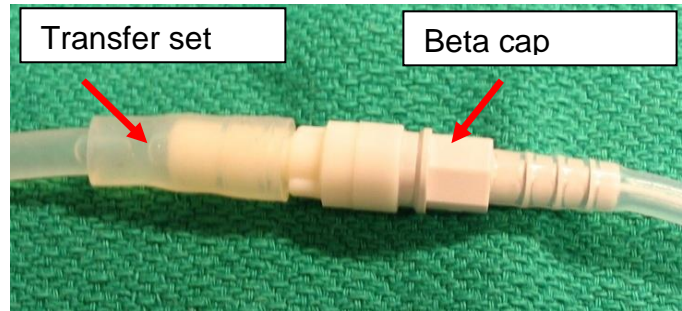
Figure 1



Titanium connector



Beta cap adaptor



ALERTS:

- Transfer sets are changed by HDU nurses and 7NW nurses who have received PD related education.

SUPPLIES:

SUPPLIES	SPD product code
1 mini-cap	SPD # 320810
1 'extended life' transfer set (extra short- 4", regular- 6" or extra-long- 9") note: 7NW to use regular-6"	SPD # 120225
Antibacterial wipes	SPD # 211150
1 pair sterile gloves	
Clean towel or waterproof pad	
10% Povidone-Iodine solution	SPD # 230380
1 mask with face shield	SPD # 222255
1 10ml vial of 0.9 % NaCl.	SPD # 7760200
1 10 syringe	SPD # 140515
1 18g needle	SPD # 155645
Alcohol prep pads	SPD # 230660

Infection Prevention and Control:

Hand Hygiene:

1. Refer to [Corporate Policies and Procedures - #00014 Hand Hygiene](#)
2. Refer to [Corporate Policies and Procedures - #00233 Hand Hygiene Products and Materials](#)
 - Before initial patient/patient environment contact
 - Before an aseptic procedure
 - After body fluid exposure risk
 - After patient/patient environment contact

Personal Protective Equipment:

1. Refer to [Infection Prevention and Control Policies and Procedures - #00023 Routine Practices](#)

PROCEDURE:

1. Explain procedure to patient
2. Clean work surface with antibacterial wipes
3. Place clean towel or waterproof pad on patient's abdomen
4. Place patient's PD catheter on towel / waterproof pad
5. Don mask (patient should be masked if respiratory symptoms present)
6. Prepare tray
7. Put on sterile gloves
8. Aseptically draw up 0.9 % NaCl into 10 ml syringe, remove needle
9. Attach the 10-ml syringe to the new transfer set and flush with 0.9 % normal saline to remove air from transfer set, close the twist / roller clamp on the transfer set and apply the mini-cap. Place on the sterile tray
10. Place sterile drapes on the patient, proximal to the catheter but not touching the catheter
11. Grasp transfer set tubing with a sterile 10 x 10 cm gauze and lift to permit cleaning of Betacap/Titanium adaptor and transfer set connection
12. With a 10 x 10 cm gauze soaked in Povidone-Iodine, clean the Betacap/Titanium adaptor and transfer set connection moving ½ way down the peritoneal catheter towards the exit site. Repeat with a second 10x10 gauze soaked in Povidone-Iodine.
13. Once the connection site, PD catheter, and transfer set tubing have been cleansed, place the catheter on sterile drape
14. Fold a 5 cm x 5 cm gauze around the PD catheter proximal to the Betacap/Titanium connector and clamp with a disposable clamp
15. Disconnect the old transfer set from the Betacap/Titanium connector and discard
16. Using a cotton applicator soaked with Povidone-Iodine, cleanse the threads of the Betacap/Titanium adaptor. Repeat x 1 and allow to dry
17. Connect new transfer set to the Betacap/Titanium adaptor
18. Remove disposable clamp
19. If peritoneal dialysis catheter dressing needs to be changed, refer to procedure # [HDU 9-04](#)

DOCUMENTATION:

1. HDU
 - a. In Nephro/Care Nurse Work Sheet Access Info section, indicate new due date for the next transfer set change
 - b. Nephrology Clinic Progress Note
2. 7NW
 - a. document the transfer set change on the Integrated Progress Notes.
 - b. Notify HDU of the transfer set change (ext 88193) to update Nephro/Care Nurse Work Sheet Access Info section

RELATED POLICIES / LEGISLATION: N/A

1. Nephrology Policies and Procedures - [Home Dialysis - Section 09 - Peritoneal Dialysis - HDU 9-04 Occlusive Dressing for the PD Catheter](#)
2. [Corporate Policies and Procedures - #00014 Hand Hygiene](#)
3. [Infection Prevention and Control Policies and Procedures - #00023 Routine Practices](#)
4. [Corporate Policies and Procedures - #00233 Hand Hygiene Products and Materials](#)

REFERENCES:

1. Baxter Alert re Instructions for Use for the Baxter PD Transfer set dated March 6, 2013

COMMENTS / SIGNIFICANT REVISIONS: N/A