

**PERITONEAL DIALYSIS UNIT RENAL DEPARTMENT
SGH PD WPI 143 Workplace Instruction**

PERITONEAL DIALYSIS (PD) – MANUAL DRAIN WITH A DRAIN BAG (ULTRA SET)

Cross references	<u>NSW Health PD2017_013 Infection Prevention and Control Policy</u> <u>NSW Health PD2017_026 Clinical and Related Waste Management for Health Services</u> <u>NHMRC Australian Guidelines for the prevention and control of Infection in Healthcare</u> <u>SGH-TSH CLIN027 Aseptic Technique - Competency and Education Requirements</u>
1. Purpose	To ensure the manual drainage of PD fluid using Ultra Set drainage bag is performed according to best practice guidelines reducing the risk of infection and ensuring patient safety

2. Process

2.1 DEVICES

2.1.1 Equipment

- Trolley
- Blue clamp
- Micropore tape
- Sterile gloves
- PPE

2.1.2 Key parts

- Minicap
- Ultra-Set or Manual Drain Bag

2.1.3 Key site

- Abdominal PD catheter

2.2 PROCEDURE

1. Explain procedure to patient
2. Perform hand hygiene
3. Clean trolley/work surface with detergent
4. Identify and gather equipment for procedure
5. Wash the blue clamp and dry thoroughly
6. Perform hand hygiene
7. Prepare general aseptic field with key parts, blue clamp and micropore tape
8. Remove outer pouch of the Ultra Set drain bag and place on top of the clean trolley, ensure the lines are facing up
9. Prepare the patient:
 - a) Don non-sterile gloves
 - b) Expose the PD catheter
 - c) Keep PD catheter away from clothing

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10. Remove gloves and perform hand hygiene
11. Don sterile gloves and wear PPE as per [NSW Health PD2017_013 Infection Prevention and Control Policy](#)
12. Perform connection procedure ensuring all key parts/sites are protected
 - a) Remove the blue cap from the patient line and remove minicap from the catheter;
 - b) Use non-touch connection technique to connect catheter to the patient line;
 - c) Place the drain bag on the floor, ensure the clear part of the bag is facing up;
 - d) Close the blue clamp on the Y-line;
 - e) Ensure all lines are not kinked or pulling from the exit site. Ensure catheter dressing remains intact;
13. Twist open the catheter valve to commence drain (drain time is approximately 15 to 20 minutes)

Note: Compare drain volume to previous fill volume. Drain volume should be more than the previous fill volume
14. When the drain line is cool, close the white clamp and twist close the catheter valve until it clicks
15. Open a new minicap
16. Perform hand hygiene
17. Wear PPE and don sterile gloves
18. Disconnect patient using non-touch disconnection technique
19. Apply a new minicap to catheter using non-touch technique
20. Secure the catheter in place with micropore tape
21. Weigh the drain bag, record the volume and PD effluent quality (i.e. colour, clarity and fibrin status)
22. Empty drain bag in the pan room sluice
23. Discard bag and lines in the clinical waste bin as per [NSW Health PD2017_013 Infection Prevention and Control Policy](#)
24. Remove gloves and PPE
25. Perform hand hygiene
26. Clean trolley after use and perform hand hygiene
27. Calculate and document UF and cumulative UF on the PD chart
28. Document the procedure on the PD chart and patient notes
29. Handover to the next shift

3. Network file	Renal, Peritoneal Dialysis
4. External references / further reading	<p>Akoh, J. A. (2012). Peritoneal dialysis associated infections: An update on diagnosis and management. <i>World Journal of Nephrology</i>, 1(4), 106-122. doi: 10.5527/wjn.v1.i4.106</p> <p>Bannister, K. (2014). The influence of peritoneal dialysis systems and solutions on the incidence of peritonitis and catheter-related infections. <i>The KHA-CARI Guidelines – Caring for Australasians with Renal Impairment</i> [cited 2014 June]; Available from: http://www.cari.org.au/Dialysis/dialysis%20peritonitis/dialysis_peritonitis.html</p>

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5. Specialty / department committee approval	<p>Peritoneal Dialysis Committee Dr Franziska Pettit, Staff Specialist Signature: 20.05.20</p>
6. Department head approval	<p>Dr George Mangos, Department Head Renal Services Signature: 20.05.20</p>
7. Executive sponsor approval – Nurse Manager	<p>Christine Day, Nurse Manager Medicine Signature: 28.05.20</p>

Revision and Approval History

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