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

### Cross references
- NSW Health PD2017_013 Infection Prevention and Control Policy
- SGSHHS CLIN027 Aseptic Technique

### 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

<table>
<thead>
<tr>
<th>2.1.1 Equipment</th>
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<tr>
<td>Trolley</td>
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<td>Blue clamp</td>
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<td>Micropore tape</td>
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<td>Sterile gloves</td>
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<td>PPE</td>
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#### 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
10. Remove gloves and perform hand hygiene
11. Don sterile gloves
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

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

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
   http://stgrenal.med.unsw.edu.au/StGRenalWeb.nsf
<table>
<thead>
<tr>
<th>Author and Reference</th>
<th>Date published</th>
<th>Revision number</th>
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**Revision and Approval History**

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<tr>
<th>Date published</th>
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<tr>
<td>June 2017</td>
<td>0</td>
<td>Anna Claire Cuesta (PD CNC)</td>
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