### PURPOSE

Describes procedure for disconnecting and capping off the PD catheter with transfer set in situ.

### POLICY STATEMENTS

Aseptic no-touch technique is required when disconnecting and capping off the PD catheter. Strict sterile technique is not required because the system is a closed system when a transfer set is in situ.

### SITE APPLICABILITY

- Pediatric Intensive Care Unit
- Inpatient unit 3F

### PRACTICE LEVEL/COMPETENCIES

Peritoneal Dialysis is an advanced skill and is practiced after the practitioner has obtained the required education and has had his/her learning validated at the bedside with the appropriate Dialysis Training Nurse.

### DEFINITIONS

**Aseptic no-touch technique (ANTT):** a standardized technique that is used during clinical procedures to identify and prevent microbial contamination of aseptic key parts and key sites by ensuring that they are not touched either directly or indirectly. A ‘key part’ is the part of the equipment that must remain sterile and must only contact other key parts or key sites. Or it is the area on the patient such as a wound, or IV insertion site that must be protected from microorganisms. Aseptic key parts can only contact other aseptic key parts/sites. If it is necessary to touch key parts/sites, sterile gloves are to be worn to ensure asepsis is maintained.

### EQUIPMENT

- Clean or sterile towel
- Povidone-iodine impregnated sterile cap (check expiration date on package):
  - Minicap® if disconnecting and discarding tubing, or
  - Opticap® Disconnect Cap if disconnecting and keeping tubing for use later
- Mask

### PROCEDURE

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
<th>Rationale</th>
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<tbody>
<tr>
<td>1.</td>
<td><strong>IDENTIFY</strong> patient and <strong>ENSURE</strong> patient and family understand procedure and questions are answered (as appropriate)</td>
<td>Evaluates and reinforces understanding of previously taught information.</td>
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<tr>
<td>2.</td>
<td><strong>GATHER</strong> needed equipment and supplies.</td>
<td>Facilitates completion of task in a timely manner.</td>
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<td>3.</td>
<td><strong>PLACE</strong> towel under catheter.</td>
<td>Clean surface under connection.</td>
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<td>4.</td>
<td><strong>ENSURE</strong> abdomen is drained or filled as per prescriber’s order and type of therapy patient is on (i.e. intermittent vs continuous).</td>
<td>Acute intermittent PD is drained before disconnecting. Continuous PD is disconnected after filling.</td>
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<td>5.</td>
<td><strong>CLOSE</strong> the transfer set and <strong>CLAMP</strong> tubing.</td>
<td>Stops flow of fluid.</td>
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<td>6.</td>
<td><strong>MASK</strong> and <strong>PERFORM</strong> hand hygiene.</td>
<td>Routine infection control practices; reduces transmission of microorganisms.</td>
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<td>7.</td>
<td><strong>OPEN</strong> the Minicap® or Opticap® package.</td>
<td>Maintains asepsis.</td>
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<td>8.</td>
<td><strong>DISCONNECT</strong> tubing from the transfer set.</td>
<td></td>
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<tr>
<td>9.</td>
<td><strong>PLACE</strong> Minicap® on transfer set and luer lock tightly. If using Opticap®, <strong>PLACE</strong> the Minicap® (male luer) on transfer set and luer lock tightly and <strong>PLACE</strong> second cap (female luer) on patient-</td>
<td></td>
</tr>
</tbody>
</table>
line tubing and luer lock tightly.

10. Securely **TAPE** catheter to abdomen.  
   Avoids trauma to exit site or dislodgement of catheter; excessive movement interferes with epithelialization and healing of the exit site.

11. **DISCARD** used equipment and supplies.  
   **PERFORM** hand hygiene.  
   Routine infection control practices; reduces transmission of microorganisms.

**DOCUMENTATION**

**DOCUMENT** on appropriate records including Peritoneal Dialysis Flowsheet, Nurses’ Notes, MAR, Patient Care Flowsheet:

- Date and time catheter disconnected and capped off
- Condition of peritoneal catheter
- Intake and output and peritoneal dialysis fluid balance (hourly and cumulative output totals)
- Child’s tolerance of procedure(s)
- Patient/Family Education
- Unexpected outcomes and complications
- any other pertinent actions or observations

**REFERENCES**


Centers for Disease Control and Prevention. Guideline for Hand Hygiene in Health-Care Settings:  
Recommendations of the Healthcare Infection Control Practices Advisory Committee and the  
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