



## MANITOBA RENAL PROGRAM

<b>SUBJECT</b> ▪ Peritoneal Dialysis Contamination Protocol	<b>SECTION</b> 70.30 Protocols
	<b>CODE</b> 70.30.05
<b>AUTHORIZATION</b> ▪ Professional Advisory Committee, Manitoba Renal Program ▪ Professional Advisory Council, St. Boniface Hospital	<b>EFFECTIVE DATE</b> December 2017
	<b>REVISION DATE</b>

### PURPOSE:

- To clearly outline the steps to follow for assessment, diagnosis, and treatment planning for peritoneal dialysis patients exhibiting symptoms consistent with the following scenarios:
  - Suspected Peritonitis (symptoms of peritonitis but no peritoneal fluid culture result)
  - Confirmed Peritonitis (symptoms of peritonitis with confirmed peritoneal fluid culture result)
  - Exit site/Tunnel infection
  - Dry/Wet contamination (the end of the peritoneal dialysis catheter has touched a non-sterile surface or there is a break in the integrity of the catheter/fluid path).

### POLICY:

- Pre-printed order sets and algorithms are available for physician use to guide assessment, diagnosis, and treatment planning.

#### **KEY POINT:**

**If caring for peritoneal dialysis patient at a site without a peritoneal dialysis unit, a nephrologist must be consulted to initiate any pre-printed order set.**

- Registered Nurses, Licensed Practical Nurses in the Manitoba Renal Program (MRP) may initiate pre-printed orders sets for a Peritoneal Dialysis (PD) patient upon receipt of a nephrologist's signature or a verbal order.
- All suspected/confirmed incidents of peritonitis, PD catheter exit site infection, PD catheter tunnel infection, or dry/wet contamination of the PD catheter must be reported to the patient's home PD unit.

### PROTOCOL:

#### **A. Suspected Peritonitis/Empiric treatment**

##### **Refer to:**

- 70.30.05a *Form W-00624 Physician Order Sheet PD Empiric Treatment of PD Related Peritonitis*

##### **Resources:**

For sites with a peritoneal dialysis unit on:

- 40.10.14 *Collection of Peritoneal Dialysis Effluent from a Peritoneal Dialysis Drain/Sample for Peritonitis Investigation*

- 70.30.05b W-00681 *Determining Peritonitis in Peritoneal Dialysis Patients Algorithm*

For sites that do not have a peritoneal dialysis unit:

- 70.30.05b W-00681 *Determining Peritonitis in Peritoneal Dialysis Patients Algorithm*
- 70.30.05c W-00682 *Collection of Peritoneal Effluent in Rural Setting*
- 70.30.05d W-00680 *Empiric Antibiotic Treatment Guideline for Rural outpatients with Peritonitis*

## **B. Confirmed Peritonitis**

**Refer to:**

- 70.30.05e W-00543 *Physician Order Sheet Peritoneal Dialysis Outpatient Confirmed Pathogen Peritonitis*

**Resources:**

## **C. Exit site/Tunnel Infection**

**Refer to:**

- 70.30.05f W-00542 *Physician's Order Sheet Peritoneal Dialysis outpatient Exit site/Tunnel Infections and Wet Contamination*

**Resources:**

- 40.10.06 *Peritoneal Catheter Exit Site Care*
- 70.30.05g *Appendix G : Decision Tree for Managing Contamination*

## **D. Dry/Wet Contamination**

**Refer to:**

- 70.30.05f W-00542 *Physician's Order Sheet Peritoneal Dialysis outpatient Exit site/Tunnel Infections and Wet Contamination*

**Resources:**

- 40.10.01 *Attachment of Minicap Extended Life Peritoneal Dialysis Transfer Set*
- 70.30.05g *Appendix G : Decision Tree for Managing Contamination*