

PD Procedures:

Adding Medication to Dialysate Solutions

VIDEO: *Adding Medication to Dialysate Solutions* video of this procedure can be found at: bcrenalagencymedia.ca/adding-medications

1.0 Practice Standard

The following procedure will be followed by the Health Care professional when adding medications to PD solution. Intraperitoneal or IP medication administration is an effective route for medication administration. The most common medications given by the intraperitoneal route are: antibiotics and heparin. Medications are added as per physician order to dextrose based solutions such as Dianeal or Physioneal unless otherwise ordered.

2.0 Supplies

- Sterile syringe of appropriate size
- 18g blunt needle or 21/22 gauge 1 inch sterile needle
- Alcohol swabs
- Medication to be added
- Medication label
- PD solution

3.0 Procedure

1. Gather supplies.
2. Choose the correct dialysate solution for strength, volume, expiry date, and clarity.
3. Warm the dialysate solution using a dry heat source. Do not heat the solution using water.
4. Remove the outer wrapper of the dialysate solution. Check clarity of the solution and ensure that there are no leaks.
5. Wash hands thoroughly.
6. Check that you have the correct medication by checking for the 7 rights of administration.
7. Prepare the medication as per facility policy.
8. Withdraw the prescribed amount of medication.
9. Using an alcohol swab, clean the medication port of the dialysate bag and allow to dry.
10. Inject the medication through the port of the dialysate bag maintaining aseptic technique confirming that the medication is injected fully into the PD solution bag.
11. Gently agitate the dialysate solution bag to distribute medication in the dialysate.
12. Label the dialysate solution bag indicating medication, dose, and time of instillation.
13. Proceed with the CAPD exchange using the dialysate solution with the instilled medication. Encourage the patient or caregiver to perform the CAPD exchange if possible. Notify the PD program to receive direction if the patient or family is unable to proceed with performing the CAPD exchange.
14. Allow the dialysate solution with antibiotics to dwell in the peritoneal cavity for 4-6 hours or as prescribed to ensure adequate absorption of the medication.
15. Document the procedure and medication added as per facility policy.

Disclaimer: Patient and PD program specifics must be considered when implementing procedures.