

Patient Guide to Giving Antibiotics in Peritoneal Dialysis

Summary Points to Remember

- It is very important that you keep taking your antibiotics for the complete prescribed course. This is to both adequately treat the infection and prevent the infection from coming back.

How to give the prescribed antibiotic in your CAPD exchange

Collect equipment for administration of antibiotic:

- Antibiotic vial
- Sterile water for injection
- Appropriate size syringe
- Alcohol swabs
- 18g drawing up needle, 20g and 23g needles
- Alcohol based hand rub

1. Start your normal peritoneal dialysis bag exchange procedure.
2. Leave the new fluid bag on the table, connect and start to drain.
3. Apply alcohol based hand rub onto your hands.
4. Open an 18g (pink) needle and a syringe and carefully join together (if open end of needle or syringe is touched, throw away and repeat step 4).
5. Using dry powder antibiotic (vancomycin, ceftazidime or cefazolin):
 - ❖ Check the expiry dates and labels of antibiotic and sterile water vials. If expired, do not use
 - ❖ Apply alcohol based hand rub onto your hands
 - ❖ Draw up the sterile water with the 18g drawing up needle
 - ❖ Swab the top of the antibiotic vial
 - ❖ Carefully remove the 18g drawing up needle and replace with a 20g needle (yellow)
 - ❖ Inject the sterile water into the antibiotic vial (see below 'further information')
 - ❖ Leave the needle and syringe attached to the antibiotic vial and shake gently until the antibiotic is dissolved
 - ❖ Draw up the prescribed dose of antibiotic
6. Carefully remove the 20g needle and replace with a 23g needle (blue).
7. Apply alcohol based hand rub onto your hands.

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8. Swab the injection port of the dialysate bag.
 9. Carefully insert the full length of the needle into the injection port of the bag, and inject the antibiotics into the bag.

Note: If the needle accidentally sticks out through the side of the injection port, you must throw away the bag and the antibiotics and start again at step 1.

10. Withdraw needle and discard in a sharps container.
11. Gently shake the bag to mix antibiotics.
12. Hang up the bag and continue your exchange as normal.

Further information

Antibiotic 1: _____ Dose: _____ mg Frequency: _____ _____ _____ Volume of water for injection to add to the vial: _____ Volume to draw up and add to PD bag: _____ PD bag to add antibiotic to: _____

Antibiotic 2: _____ Dose: _____ mg Frequency: _____ _____ _____ Volume of water for injection to add to the vial: _____ Volume to draw up and add to PD bag: _____ PD bag to add antibiotic to: _____

How to give your antibiotic when on APD

When using APD last fill as icodextrin

Follow instructions above adding the antibiotics to the icodextrin bag. Hang icodextrin as normal on the APD set up after loading the antibiotics. This will be the last fill on APD and dwell all day.

When using APD no icodextrin as last fill

Perform the above steps into a manual bag; perform this as a day bag allowing it to dwell for a minimum of 6 hours.

Contact

Practitioner / Patient notes

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