Manual Dialysis Using the Dialynate Set

**Supplies**
- Dialynate Set
- 2L or 3L bag of dialysis solution
- Timers (1 or 2)
- Coban
- Gloves
- Masks
- Connecting supplies
- Disconnecting supplies

**Priming Instructions**
1. Wash or gel your hands.
2. Gather supplies.
3. Put on a mask.
4. Wash your hands.
5. Put on gloves.
6. Open the Dialynate Set. Leave the packaging after opening.
8. Connect solution to the Dialynate Set using the luer connector. Clamp all three luer connector lines.
9. Close the roller clamp below the buretrol.
10. Hang the drain bag lower than the buretrol of tubing.
11. Break the frangible on the bag of dialysis solution and open the clamp on that connector line. Keeping the buretrol upright, fill with 60 mls of dialysis solution and then clamp.
12. Keeping the patient line of the Dialynate Set on the sterile paper in the packaging, open the roller clamp below buretrol and prime to the end of the patient line.
13. Once primed, turn the stopcock closed to the patient line and open to the drain line and let the remainder of the fluid prime through, stopping when the volume in the buretrol is 5 to 10 mls.
14. Label the 3 tubes attached to the stopcock as “Fill,” “Patient,” and “Drain.”

**Connecting**
1. Follow the steps for connecting to the cycler.
2. You can wrap the connection with Coban for added security.
Performing Manual Dialysis

3. Once connected, open the stopcock to the drain line and let drain for the prescribed amount of time. Set the timer. Record this initial drain.

4. Keeping the buretrol upright, fill the desired volume plus 10mls (For example, a fill volume of 100mls plus 10mls is 110mls total). The volume will be ordered and will change as your child grows.

5. With the stopcock open to the patient line, unclamp the roller clamp and let the fluid in the buretrol go into the PD catheter (this is slow) until there is only 10mls left, then clamp the roller clamp.

6. Close the stopcock to the patient line.

7. Start the timer for the desired dwell time (for example, 30 minutes).

8. When the timer dings at the end of the dwell time, open the stopcock to drain the line.

9. Set the timer for the desired drain time (for example 10 to 15 minutes).

10. When the timer dings at the end of the drain, close the stopcock to the drain line.

11. Measure the amount in the urimeter and then dump into the drain bag. Be sure to record the difference between the amount in and the amount out. This is the UF (ultrafiltration).

12. Repeat steps 2 to 9 for the prescribed amount of time on dialysis. Your nurse will give you time instructions.

13. At the end of the therapy time, after the drain, instill the last fill volume (this will be ordered and change as your child grows), and then clamp everything.

14. Add up all the UF numbers to get the total UF.

Disconnecting:

1. Follow the steps for disconnecting from the cycler.

2. If you used the Coban, take it off before putting on gloves.

Getting Rid of the Setup:

1. Be sure all clamps are closed.

2. Remove the bag of dialysis solution.

3. Empty the drain bag into the toilet.

4. You can now throw the Dialynate set in the garbage.