

NEWTON IQ® CYCLER

Peritoneal Dialysis

Nurse Competency Checklist



Fresenius Medical Care

Name: _____ Date: _____

Facility: _____

Signature of Approver: _____

	YES	NO	Comments
Identifies Cyclor Components			
1. Heater and heater on / off switch			
2. Bag organizer			
3. Manifold holder			
4. On/Off switch			
5. Power supply			
6. Pump-to-drain box			
7. Valve box / cassette			
8. Scales and drain hook (for drain bag)			
9. Start/Stop keys			
10. Electronic self-calibration			
11. Newton IQ cyclor set with PIN technology			
12. Newton IQ drain line			
13. Eco® starter drain set (optional)			
14. Multiple Tubing Segment (optional)			
Programs Cyclor			
1. Programs prescription/dialysis settings manually			
a. Type of therapy (IPD, CCPD, PD+, Tidal)			
b. Patient weight (lbs or kgs)			
c. Number of fills (1-20)			
d. Number of pauses (0-5)			
e. Pause volume (500 – 4,000 ml)			
f. CCPD volume (500 – 4,000 ml)			
g. Last fill volume (0 or 50 – 4,000 ml)			
h. Total volume (automatic calculation)			
i. Fill time (1-59 minutes)			
j. Dwell time (5 minutes – 9 hours 55 minutes)			
k. Drain time (1-59 minutes)			
l. Sleep time (automatic calculation)			
m. Fast fill/drain (yes or no)			
n. Last bag alarm (yes or no)			
o. Pre-warm bags (yes or no)			
p. Prescription start time			
q. Tidal settings (if applicable)			

	YES	NO	Comments
2. Programs prescription/dialysis settings using IQcard™ (if applicable)			
a. Has IQcard software loaded			
b. Enters prescription			
c. Inserts IQcard into cycler			
3. Programs machine options			
a. Screen blanking (yes or no)			
b. Alarm volume (1-10)			
c. Alarm pitch (0-52)			
d. Language (English/Spanish/French)			
e. Allow > 3 L?			
f. Weight units (lbs or kgs)			
g. IQcard used?			
h. Add diurnal UF?			
4. Additional options			
a. Diagnostics			
b. Clock (date and time)			
c. Demonstrates how to interrupt the treatment and how long.			
d. Demonstrates how to activate a bypass.			
Sets up Cycler			
Demonstrates set up of the cycler (per procedure card)			
Pole extender (optional)			
Longer drain hook (optional)			
Initiates Treatment			
1. Gathers all necessary equipment and supplies			
2. Makes sure cycler is plugged into wall outlet and that power is on.			
3. Presses "start" button			
4. Places bags on bag organizer			
5. Check that heater is on & bags are being warmed			
6. Installs tubing into the cycler			
7. Masks and washes hands			
8. Breaks outlet port cones by bending both ways			
9. Initiates flush procedure. When complete, lowers manifold and opens red clamps.			
10. Primes patient line. Connects patient line to patient's transfer set and opens clamps.			
11. Initiates treatment by pressing start key			
Discontinues Treatment			
1. Turns blue trigger on patient connector clockwise ¼ turn			

	YES	NO	Comments
2. Press blue trigger forward until it stops			
3. Place patient connector with attached catheter extension in the organizer. Close clamp on extension set.			
4. Disconnects and checks to see that pin is in place and then connects extension set to the cap.			
5. Secures catheter			
6. Drains any solution left in the bags on top of the cyclor into the drain line by opening the pump cover of the pump to drain assembly			
7. Demonstrates safe disposal of effluent and tubing			
8. Reviews treatment history using DATA Sheet			
Keeps Records/Data			
1. Enters patient data: weight, BP, % dextrose			
2. Understands IQcard stores data for 62 days			
Collects Samples			
1. Demonstrated how to obtain a sample of effluent from the collection bag			
2. Understands how to collect 24 hour batch			
Troubleshoots Common Alarms (See Newton IQ Cyclor Operators Manual for additional information)			
1. Fill			
2. Drain			
3. Emptying			
4. Interrupt too long			
5. Overfill			
6. Scale			
7. Heating			
8. Cooling			
Familiar with Power Failure			
1. Power failure notification			
2. When power is restored			
Knows Technical Support number: 800-227-2572			



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