



MANITOBA RENAL PROGRAM

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| SUBJECT Changing Dialysate Concentrate During Hemodialysis Treatment | SECTION 30.10 Hemodialysis Equipment Procedures |
| | CODE 30.10.19 |
| AUTHORIZATION <ul style="list-style-type: none"> ▪ Professional Advisory Committee, Manitoba Renal Program ▪ Nursing Practice Council, St. Boniface Hospital | EFFECTIVE DATE April 20, 2018 |
| | REVISION DATE |

PURPOSE

1. To outline the procedure to change the dialysate concentrate container during hemodialysis treatment.

POLICY

1. Hemodialysis Nurses who have received instruction from the Renal Educator or delegate may perform this procedure.

PROCEDURE

KEY POINTS

A. Changing Dialysate Concentrate during treatment if Na+ profile not being used:

1. On the **Dialysate Menu** screen, press the Concentrate button.
2. Select the appropriate concentrate from the dropdown list.
3. Press **OK**.
4. Replace with the new concentrate container
5. Document new concentrate in MAR.

- Refer to Chronic Hemodialysis Physician's Orders for further follow-up.

B. Changing Dialysate Concentrate during treatment if Na+ profile being used:

1. From the treatment screen note the current dialysate Na+ (found under "Na profile mmol/L") and the UF rate (found under "UF profile mL/hr").

2. Press the UF timer I/O off.
A prompt to STOP both profiles will appear (if both were programmed) or CONTINUE treatment. Select STOP both profiles.
3. On the **Dialysate Menu** screen:
 - Press the Concentrate button,
 - Select the appropriate concentrate from the dropdown list.
4. Press **OK**. Replace with the new concentrate container.
5. Reprogram the Na Profile. (The Start Na+ is now the dialysate Na+ from step 1).
 - If there are less than 2 hours remaining in the treatment, once Na+ and/or UF profiles have been stopped, the machine will not allow a profile to be reprogrammed.
6. Reprogram the UF Profile.
7. Press the UF Timer light on.
 - A prompt will appear in 5 minutes if the UF timer light is not turned on.
8. Document new concentrate in MAR
 - Refer to Chronic Hemodialysis Physician's Orders for further follow-up.

DOCUMENTATION

- Medication Administration Record
- Integrated Progress Notes (prn)

REFERENCES:

Fresenius Medical Care (2015) *5008 Hemodialysis System Instructions for Use* (Ed. 10B-2015) Richmond Hill, ON: Author