



## MANITOBA RENAL PROGRAM

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| <b>SUBJECT</b><br>Administering a Heparin Bolus during Hemodialysis Treatment using the Fresenius 5008 Heparin Pump  | <b>SECTION</b> 30.10 Hemodialysis:<br><b>Equipment Procedures</b> |
|  | <b>CODE</b> 30.10.20  |
| <b>AUTHORIZATION</b><br><ul style="list-style-type: none"> <li>▪ Professional Advisory Committee, Manitoba Renal Program</li> <li>▪ Nursing Practice Council, St. Boniface Hospital</li> </ul> | <b>EFFECTIVE DATE</b> April 2018                                  |
|  | <b>REVISION DATE</b>  |

### PURPOSE:

1. To describe the procedure for administering a heparin bolus during hemodialysis treatment when using the Fresenius 5008.

### POLICY:

2. Hemodialysis Nurses who have received instruction from the Renal Educator may perform this procedure.
3. Heparin is a High Alert Medication. Refer to WHRA policy 110.000.340: Safety Controls for High Alert Medications in WHRA facilities. Restrictions apply to preparation and administration of heparin by the IV route (intermittent doses and continuous infusions)

### PROCEDURE

### KEY POINTS

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| <ol style="list-style-type: none"> <li>1. Press <i>Options</i> button on the main screen of the Fresenius 5008.</li> <li>2. Select Heparin sub screen.</li> <li>3. Touch the Bolus icon to change (if necessary) the bolus amount in mL.</li> <li>4. Select volume and press OK.</li> <li>5. Press the Bolus I/O button to start infusion.</li> <li>6. Once bolus is infused change bolus volume to the minimum volume (1 mL).</li> </ol> | <ul style="list-style-type: none"> <li>▪ The volume programmed for heparin bolus cannot be less than 1 mL.</li> <li>▪ If volume less than 1 mL administer manually through the venous medication administration port.</li> <li>▪ The bolus will be infused and the amount given for the bolus will be added to the cumulative volume.</li> </ul> |
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### DOCUMENTATION

- Medication Administration Record

### REFERENCES:

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