

## Prescription for Variable Rate Regimens of IV Insulin

This is the guidance to be followed when monitoring and adjusting rates of Continuous Variable Rate IV Insulin Infusions (CVRIII)

**Please note: It may be clinically appropriate to continue the patient's usual basal insulin. Basal insulins are Detemir (Levemir<sup>®</sup>), Glargine (Abasaglar<sup>®</sup>, Lantus<sup>®</sup>, Semglee<sup>®</sup>, Toujeo<sup>®</sup>) Degludec (Tresiba<sup>®</sup>), and Isophane insulin (Insulatard<sup>®</sup>, Hypurin<sup>®</sup>, Humulin I<sup>®</sup>, Insuman<sup>®</sup>)**

Capillary Blood Glucose (mmol/L)	Regimen 1 (ml/hour)	Regimen 2 (ml/hour)	Regimen 3 (ml/hour)
Below 7.0	0.5	1	2
7.0 to 11.0 (target range)	2	4	8
11.1 to 17.0	4	8	16
Above 17.0	6	12	24

- Record the blood glucose reading and time in the correct section of the chart
- Review the variable rate regimen being used (1/2/3) if four consecutive readings are 4.1 to 6.9 mmol/L or over 14.0 mmol/L
- Monitor CBG every hour. If four consecutive readings are within the target range 7.0 to 11.0 mmol/L reduce frequency to 2 hourly monitoring. Return to hourly monitoring if CBG is outside this range.
- Monitor blood glucose every 2 hours for the first 24 hours after stopping CVRIII and commencing the patient's usual diabetes regimen.

### **Guidance for selection of Regimen to be followed**

Patients should be commenced on Regimen 1. The regimen being used (1/2/3) should be reviewed and reduced or increased if 4 consecutive CBG readings are 4.1-6.9 or >14.0mmol/l, and this should be specified in the Order Instructions section of the prescription on ICCA.

*The information above has been copied from WR2170 Adult Prescription & Monitoring Chart for CVRIII Version 8 and includes input from Diabetes Specialist Nurses.*