

Name of patient

CHI

(Please attach printed label here)

Variable Rate Intravenous Insulin Infusion (VRIII)

Section B - Prescription

Date:

Ward:

1. Insulin Prescription

Insulin preparation	Total dose	Infusion fluid	Final concentration	Route	Prescribed by (sign & print)
Actrapid	50 units	0.9% sodium chloride	50 units in 50 mL	IV	

- A total of 50 units of Actrapid (0.5 mL of 100 units/mL) should be added to 49.5 mL of sodium chloride 0.9% to make a final concentration of 1 unit/mL
- **Prescribe on HEPMA** as Actrapid Variable Rate Intravenous Infusion
- **Do not stop long-acting insulin** (e.g. Levemir, Lantus, Tresiba). This should be prescribed at 80% of normal dose on HEPMA and on the insulin prescription and administration chart

2. Insulin Infusion Scale

Prescribe one of the insulin infusion scales below:

Scale 1 should be considered for insulin-sensitive patients, those on less than 24 units of total insulin per day (e.g. elderly or patients with low BMI)

Scale 2 is suitable for most patients

Scale 3 will better suit insulin resistant patients, typically high BMI patients with Type 2 diabetes who take a total of over 100 units of insulin per day

Prescriber to sign and print name under the selected scale and score through scales which are not to be used

Capillary blood glucose (mmol/L)	Scale 1 <i>For insulin sensitive patients</i>	Scale 2 <i>For most patients</i>	Scale 3 <i>For insulin resistant patients</i>	Scale 4 <i>Customised scale</i>
	Rate (units/hr)	Rate (units/hr)	Rate (units/hr)	Rate (units/hr)
<4.1	Nil (treat hypo)	Nil (treat hypo)	Nil (treat hypo)	
4.1 - 8.0	0.5	1	2	
8.1 - 12.0	1	2	4	
12.1 - 16.0	2	3	6	
16.1 - 20.0	3	4	7	
20.1 - 24.0	4	6	8	
>24.0	6	8	10	
Prescribed by (sign & print)				

VRIII use may lead to hypo- or hyperglycaemia and ketosis on cessation. It can also cause hyponatraemia due to large volume of fluid delivery. These risks are exacerbated by prolonged use
Please seek advice from diabetes team when the duration extends beyond 48 hours