

**MANCHESTER MEDICAL SCHOOL**  
**Variable Rate Insulin Infusion (VRII) Chart (Sliding Scale Insulin)**

**Instructions**

- 1 Start with sliding scale A unless the patient is usually on a total daily dose of greater than 100 units in which case start with scale B
- 2 All patients on VRII should be prescribed Dextrose saline (5%/0.45%) and potassium as below (prescribe this on the Manchester University Fluid Prescription Chart [bit.ly/fluidsRx](http://bit.ly/fluidsRx))
- 3 If any doubt please seek specialist advice from the diabetes team

Laboratory glucose and potassium levels		
Date	Glucose	Potassium

Variable Rate Insulin Infusion Prescription	
Intravenous Actrapid 50 units in 50ml Sodium Chloride 0.9% as per variable rate above	
Signature	
Name	
Time	
Date	

Insulin Infusion Rate (units per hour)			
Blood Glucose mmol/L	A	B	Custom scale
0 - 4	<b>STOP INSULIN</b>		
4.1 - 7.0	1	2	
7.1 - 9.0	2	4	
9.1 - 11.0	3	6	
11.1 - 17.0	4	8	
17.1 +	6	12	
Prescriber to sign under the appropriate scale	Sign		
	Name		
	Date		
	Time		

Potassium Replacement	
Serum Potassium Levels	Potassium replacement in IV fluids
<3.5	40mmol/L
3.5 - 5.5	20mmol/L
>5.5	0

**THIS CHART IS FOR TEACHING PURPOSES ONLY AND IS NOT A PRESCRIPTION CHART**