DOB: *CHECK ALLERGIES* Name: Hospital Number: VARIABLE RATE INTRAVENOUS INSULIN INFUSION (VRIII) DO NOT USE IN PREGNANCY Glucose insulin infusions- Adjustable dosage Insulin Rates (mL/hr) Start on standard rate unless otherwise indicated ketoacidosis and HHS) Reduced Blood Standard Increased rate Rate Glucose Customised Customised Rate (For insulin resistant nsulin sensitive patients e.g. ≥100units/ mmol/L Scale Scale (1st choice in e.g ≤24units/ day) most patients) day) <4.0 0* 0* 0* 2 4.1-8.0 0.5 1 8.1-12.0 2 4 1 12.1-16.0 2 4 6 16.1-20.0 3 5 7 20.1-24.0 4 6 8 6 8 10 >24.1 Prescriber signature Date Note: If a patient is on basal subcutaneous insulin-continue this alongside the VRIII * Treat hypoglycaemia and once CBG>4.0mmol/L, restart VRIII within 20 minutes

Insulin preparation: 50 units of soluble insulin (Actrapid) is diluted with 49.5mL 0.9% saline in a 50mL syringe to give 1unit/mL. Use an insulin syringe and mix thoroughly. To be prescribed on the infusion section of main drug chart.

Date	Blood Glucose	Insulin	Blood	Name and	Essential Monitoring during the use of VRIII
	(mmol/L)	unit/hr	ketones	signature	 Target range for capillary blood glucose is 6-10mmol/L
08.00					Hourly monitoring of capillary blood glucose
09.00					Hourly review of insulin infusion rate to achieve target range of
10.00					glucose
11.00					At least daily review of the need for VRIII
12.00					At least daily review of the patient including fluid status
13.00					Daily urea and electrolytes
14.00					 For CBGs persistently above 12.0mmol/L and NOT falling, check ketones 4 hourly if have Type 1 diabetes, at least once if Type 2
15.00					• Review the patient within 6 hours of starting VRIII to make sure the CBGs are in target
16.00					
17.00					Potassium supplementation:
18.00					 Aim to keep K⁺ 4.0-5.0mmol/L If serum K⁺ >5.5 no additional K⁺ but reassess serum k⁺ regularly
19.00					 If serum K⁺ is 3.5-5.5mmol/L, use 5% glucose with 40mmol/L KCL at
20.00					125ml/hr
21.00					• If serum K ⁺ <3.5 senior review as extra potassium needs to be given
22.00					• Caution in those with eGFR <20ml/min- may need less K ⁺
23.00					
24.00					Converting back to subcutaneous (SC) insulin
					 Patients should be able to tolerate a light meal before discontinuing VRIII
01.00					 It is not recommended that VRIII is stopped overnight. Seek advice
02.00					from the medical team on-call
03.00					 Give first dose of quick or intermediate acting SC insulin with a meal 30minutes before stopping VRIII
04.00					
05.00					Continuous subcutaneous insulin infusion (CSII)
06.00					Contact Diabetes team immediately for all insulin pump patients
07.00					 Please refer to Joint British diabetes society-IP guidelines October 2015[*]

Indications for use of VRIII • Vomiting (excluding diabetic

Nil by mouth and will miss more than one meal Severe illness with need to achieve good glycaemic

control e.g. sepsis

Intravenous fluid recommendations. Review fluid status daily

 When blood glucose <15mmol/L, infuse 1L of 5% glucose with 20mmol potassium chloride at 1ml/kg/hr (maximum 100ml/hour)

•When blood glucose ≥15mmol/L, infuse 1L of 0.9% sodium chloride with 20mmol potassium chloride at 1ml/kg/hr (maximum 100ml/hr)

Blood Glucose Testing:

Hourly

IN-PATIENT ADULT DIABETES CARE CHART

Fix Addressograph here or Enter Patient Details	Consultant					
NHS No:						
Hosp. No:						
Surname:						
First Names:	Ward					
Date of Birth:	Ward					
DIABETIC MEDICATION ALLERGY: Yes/No.						

Self administration trust policy complete: Patient is self administering insulin

USUAL DIABETES MEDICATIONS ON ADMISSION (Please complete on admission)

Date Com	pleted	Name of insulin/drug (incl device)					
INSULIN	Short-acting						
	Mixed preparations						
	Long-acting						
ME (These MUS	ER DIABETIC DICATIONS T be prescribed on the th prescription chart)						

Contact Diabetes Team for patients admitted on a subcutaneous insulin pump (CSII) Tick if applicable:

Patient on a personal subcutaneous insulin infusion pun Patients with insulin pumps will adjust the basal rate, if n

EMERGENCY TREATMENT OF HYPOGLYCAEMIA (Ca IF USING PLEASE INFORM DOCTOR (Refer to Trust p

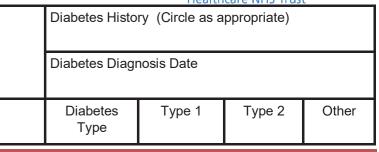
Oral Glucose Tablets/Glucose Juice- if able to swallow	Give 4-5 tablets or one bottle of juice orally
ORAL Glucose Gel- if able to swallow	Give 1.5-2 tubes orally
IM Glucagon- if unable to swallow (stored in fridge)	
Prescribers sig.	1mg IM

Once Only Drugs							
Note: If NBM give glucose 10% infusion at 100mL/hr until no							
over 15min	duministering	Given by sig.					
20% 75mL IV or 10% 150mL IV	Contact Doctor before administering	Prescribe sig.					
TV Glucose 20% of Glucose 10%		Time					
IV Glucose 20% or Glucose 10%		Date					

Date	Time	Insulin Name	Dose (units)								
			-								

Surrey and Sussex NHS





If Yes, list the diabetic medication(s) and reactions

Patient is self dosing insulin

uding	Dose (units)												
-	Breakfast	Lunch	Dinner	Bedtime									

np– Type of insulin in pump :	
necessary with the help of the	

apillary Blood Glucose <4mmol/L) protocol for management of Hypoglycaemia guidelines)									
Start Date		Date							
	Start Date		Time						
	Bleep		Given by sig.						
	Start Date		Date						
	Start Date		Time						
	Bleep		Given by sig.						
	Start Date		Date						
	Start Date		Time						
	Bleep		Given by sig.						

	Date	Date							
	Time	Time							
ers	Prescribers sig.	Prescribers sig.							
у	Given by sig.	Given by sig.							
longer NBM or reviewed by a doctor. Prescribe on infusion chart									

5)	Route	Prescribers sig. & Reg no.	Time given	Given by sig.	Pharm

Nar	ne: Ho	spital Nur	nber:			D	OB:					*CH	ECK		ER	GIES*	N	lam	ne:_	
∃	INSULIN NAME & DEVIC		CHANGE	CHANGE				Nu	rse	Adn	ninist	ratior	n Cha	rt				\square		T
Time	Vial/Pen/Cartridge			IGE 3	Date															Bedt
	DRUG (Approved name)	Dose			Time															Pre-c
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AST					Time		_					_		_						Bedti
	PRINT NAME & SIGNATURE DATE	uni	its units	units	Omission Code															Pre-o
	Special Instructions Pharmacy	units sig	gn sign	sign	Dose (Units)													Н		
	Special Instructions Pharmacy	Usual Med Y/N																ner		Pre-l
	DRUG (Approved name)	Dose Da	ate Date	Date	Initials													Pre-dinner		Pre-b
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		Usual Med Y/N															this p			
	DRUG (Approved name)	Dose	ate Date	Date	Initials		-							-			et for	сh		Pre-l
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		Y/N	ate Date	Date	Initials												CBG	o od g		
Pharmacy screened							_	Target CBG (mmol/L)	/ of bl	Date										
		NOT ADD			Initials												ſ	Frequency of blood glucose monitoring		
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3. DRUG NOT AVAILABLE 7. SELF ADMINISTRATION 4. PATIENT UNAVAILABLE 8. OMITTED ON DR'S INSTRUCTION																				

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	Date	Time	Nurse's initials	Blood glucose value (mmol/L)													00	
					Capillary blo													

