Name of patient

CHI

Date of Birth

(Please attach printed label here)

Adult Insulin Prescription & Administration Record



This document is for adult patients on regular insulin treatment For patients not on insulin, use the Blood Glucose Monitoring Record For Variable Rate Insulin Intravenous Infusion (VRIII), use the VRIII chart

Record patient's usual insulin

Identify the insulin prescription on the Emergency Care Summary Confirm the preparation and dose with the patient or another source

Patient's usual	Dose and time of administration						
insulin preparation	ВВ	BL	BE	BBed			
	units	units	units	units			
	units	units	units	units			
	units	units	units	units			

BB = before breakfast BL= before lunch BE = before evening meal BBed = before bed

Convert the insulin to the ward stock alternative if the patient's own insulin is not available, or the patient is not able to administer their insulin

Action	Patient's usual insulin	Ward stock
Rapid	NovoRapid, Apidra, Fiasp, Humalog, Lyumjev	NOVORAPID
Short	Actrapid, Humulin S, Insuman Rapid	ACTRAPID
Intermediate	Insulatard, Humulin I, Insuman Basal, Levemir	INSULATARD
Long	Lantus, Abasaglar, Toujeo, Tresiba	LANTUS
Fixed Mixture	Humulin M3, Humalog Mix (25, 50), Insuman Comb (15, 25, 50), NovoMix 30	HUMULIN M3

Prescribe the insulin using the brand name on:

- 1) the Prescription and Medicines Administration Record (electronic or paper). The dose should be prescribed 'as charted'
- 2) this Insulin Prescription and Administration Record. Turn overleaf, prescribe the insulin preparation and specify the dose in the appropriate section

On discharge

Discharge patients on their usual regular insulin if they have been given an alternative ward stock during admission Inform GP and district nursing team of any changes in preparation or dose of insulin Name of patient

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Insulin Prescription

Review the blood glucose daily and adjust the prescription as appropriate If no adjustments are necessary, the prescription will remain valid for 6 days

Regular l	Prescription	ntermediate, Long Acting or Fixed Mixture Insulin							
	Insulin preparation	Dose and time of administration				Prescribed by	Discontinued by		
Start date	(in CAPITALS)	ВВ	BL	BE	BBed	(sign & print)	(sign, print and strike through prescription)		
		units	units	units	units				
		units	units	units	units				
		units	units	units	units				
		units	units	units	units				
		units	units	units	units				
		units	units	units	units				

Regular	Prescription	Rapid o	r Short	Acting	Insulin		
011-1-1-	Insulin preparation	Dose an	nd time o	f admini	stration	Prescribed by	Discontinued by
Start date	(in CAPITALS)	ВВ	BL	BE	BBed	(sign & print)	(sign, print and strike through prescription)
		units	units	units	units		
		units	units	units	units		
		units	units	units	units		
		units	units	units	units		
		units	units	units	units		
		units	units	units	units		
		1	managed l ineous inst	-			
	BB = before breakfast BL= before lunch BE = before evening meal BBed = before bed						

Once only 'stat' insulin prescription Caution: stat doses of rapid acting insulin can precipitate hypoglycaemia Insulin preparation Prescribed by Time Administered by **Date Time Dose** (in CAPITALS) (sign & print) given units units units units units units units

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Insulin Administration & Blood Glucose Monitoring Record

Blood glucose range (excluding pregnancy): 6 to12 mmol/L Individual range (optional):

If the patient is unwell or has ketones above 0.6 mmol/L seek medical advice For glucose readings less than 4 or more than 12 mmol/L, refer to the guidance for hypoglycaemia (page 5) and hyperglycaemia (page 6)

П	7	_	4	_	

//	Before Breakfast		Before Lunch		Before Evening Meal		Before Bed				
Time											
Blood glucose											
Ketones											
Insulin preparation & dose	,	units			units			units			units
Administered by & time given	/	time	/		time		/	time		/	time
Insulin preparation & dose		units			units			units			units
Administered by & time given	/	time	/	,	time		/	time		/	time

Date:

//	Before Breakfast	Before Lunch	Before Evening Meal	Before Bed	
Time					
Blood glucose					
Ketones					
Insulin preparation & dose	units	units	units	units	
Administered by & time given	time	/ time	time	/ time	
Insulin preparation & dose	units	units	units	units	
Administered by & time given	/ time	/ time	/ time	/ time	

Date:

//	Before Breakfas	Before Breakfast		ast Before Lunch		Before Evening Meal		Before Bed	
Time									
Blood glucose									
Ketones									
Insulin preparation & dose	u	ınits		units	·	units		units	
Administered by & time given	/ t	ime	/	time	/	time	/	time	
Insulin preparation & dose	U	ınits		units		units		units	
Administered by & time given	/ t	ime	/	time	/	time	/	time	

LOTOFOE			
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Name of patient
Date of Birth
CHI

Insulin Administration & Blood Glucose Monitoring Record

units

time

time

(Please attach printed label here)

Date:								
//	Before Breakfast		Before Lunch		Before Evening Meal		Before Bed	
Time								
Blood glucose								
Ketones								
Insulin preparation & dose		units		units		units		units
Administered by & time given	/	time	/	time	/	time	/	time

units

time

units

time

Date:

& dose

Insulin preparation

Administered by & time given

//	Before Breakfast		Before Lunch		Before Evening Meal		Before Bed	
Time								
Blood glucose								
Ketones								
Insulin preparation & dose	1	units		units	-	units		units
Administered by & time given	/	time	/	time	/	time	/	time
Insulin preparation & dose		units		units		units		units
Administered by & time given	/	time	/	time	/	time	/	time

Date:

//	Before Breakfast		Before Lunch		Before Evening Meal		Before Bed	
Time								
Blood glucose								
Ketones								
Insulin preparation & dose	•	units		units		units		units
Administered by & time given	/	time	/	time	/	time	/	time
Insulin preparation & dose		units		units		units		units
Administered by & time given	/	time	/	time	/	time	/	time



You have reached the end of this document Discontinue by striking through the prescription page **Review and represcribe the insulin on a new chart**

Management of Hypoglycaemia

If blood glucose is less than 4 mmol/L

Patient is conscious, orientated and able to swallow Patient is conscious and able to swallow but confused or unable to cooperate Patient is unconscious or having seizures or very aggressive

If the patient has an insulin infusion running, stop it immediately

Give 15-20 g quick acting carbohydrate, for example:

- 1 bottle (60 ml) GlucoJuice
- 4-5 GlucoTabs
- 150-200 ml sugary drink

Give 1.5 - 2 tubes 40% glucose gel (GlucoGel) squeezed into the mouth between the teeth and gums If GlucoGel is ineffective, give glucagon 1 mg IM Perform ABCDE assessment Request immediate medical assistance

If IV access is available, give 75-100 ml of 20% glucose over 15 minutes

If IV access is unavailable, give glucagon 1 mg IM

Repeat capillary blood glucose levels after 10-15 minutes If blood glucose is still less than 4 mmol/L, repeat the step above Give no more than 3 treatments in total

Only give IM glucagon once

If blood glucose remains less than 4 mmol/L after 30-45 minutes or 3 treatments, contact a doctor

Consider giving:

- 1 mg of glucagon IM
- 150-200 ml of 10% glucose over 15 minutes

Consider giving:

• 100-200 ml of 10% glucose over 15 minutes

Once blood glucose is above 4 and the patient has recovered, give a long acting carbohydrate Examples include 2 biscuits, 1 slice of toast, 200-300 ml of milk or a meal with carbohydrates if due Patient given glucagon will require a larger (double) portion of long acting carbohydrates

Look for the cause and review the insulin regimen. Document the event in the patient's notes

Continue regular blood glucose monitoring for 24-48 hours

Do not omit insulin in Type 1 diabetes

This flowchart is intended to guide clinical staff
It is not a substitute for clinical judgement or seeking advice from the inpatient diabetes team

Diabetes Team Contact Details

Diabetes Registrars

On call at RIE (07870 158298), WGH (07976 977402) and SJH (via switchboard) Monday to Friday 09:00-17:00. Contact via switchboard for evenings 07:00-20:00, weekends and public holidays 09:00-17:00

Diabetes Specialist Nurses (Monday to Friday)

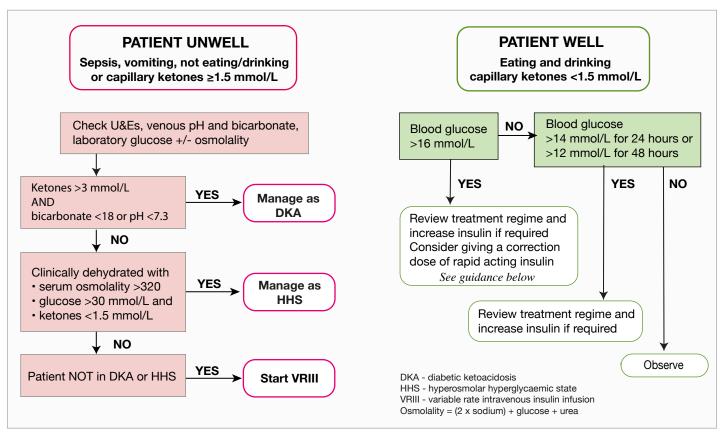
RIE Ext. 21044 Phone 0131 242 1471 Hours 09:00-17:00 WGH Ext. 33157 Phone 0131 537 1746 Hours 09:00-17:00 SJH 07929742535 Phone 01506 523 856 Hours 08:30-16:00

Contacts and other protocols can be found at http://www.edinburghdiabetes.com

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Management of Hyperglycaemia

- Check capillary ketones in any unwell patient with diabetes or in a well patient with diabetes where capillary blood glucose is >16 mmol/L (>11 mmol/L in pregnancy)
- If blood ketone measurements are unavailable, please contact your diabetes department
- Identify the cause of hyperglycaemia check for intercurrent illness, missed or incorrect doses of insulin or hypoglycaemic agents, recent meal/snack, prescription of steroids or enteral feeding
- Ensure all patients requiring intravenous insulin or repeated correction doses of subcutaneous insulin are referred to the diabetes team at the earliest opportunity



Adapted from the University Hospital of Leicester NHS Trust

Guidance for use of correction doses of rapid acting insulin

- Do not give a correction dose without considering the underlying cause for hyperglycaemia and reviewing the patient's diabetes treatment
- · Check capillary blood glucose at 2 and 4 hours after a correction dose
- · Do not give correction doses more frequently than 4 hourly unless on the advice of the diabetes team
- · Aim to correct the glucose level to 10 mmol/L unless an alternative target is specified
- Correction doses are usually based on a correction factor of 1:3 (i.e. 1 unit of rapid acting insulin reduces the blood glucose by 3 mmol/L)

Capillary blood glucose (mmol/L)	Typical correction dose (units)		
18.1 - 25	4		
>25	6		

- The correction factor can be estimated using the 'rule of 100' and roughly equates to 100/total daily insulin dose:
- individuals on small doses of insulin may require lower correction doses to avoid hypoglycaemia
 e.g. slim individuals with Type 1 diabetes or those recently diagnosed
- higher correction doses may be required in Type 2 diabetes where the total daily insulin dose is likely to be higher

This guidance is for clinical staff and it is not a substitute for clinical judgement or seeking advice from the inpatient diabetes team

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