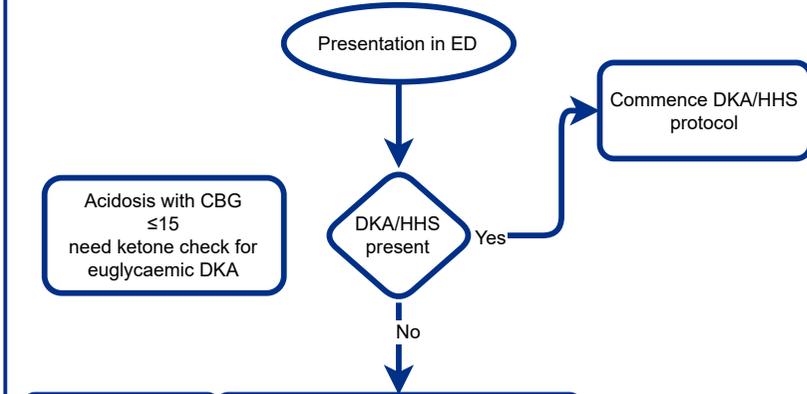


Presentation and initial management



***Consider cause**

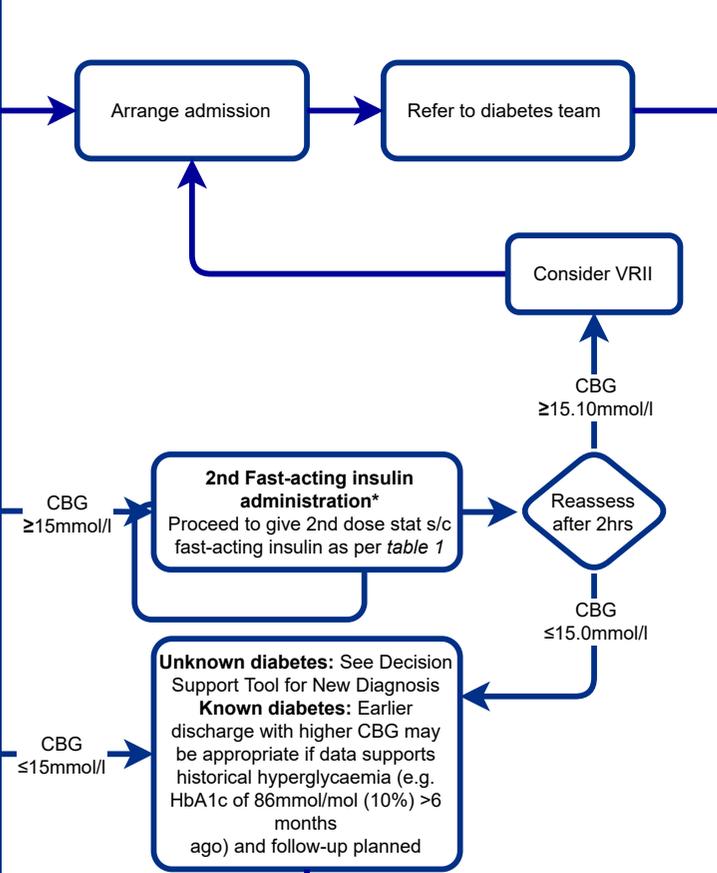
- cardiac event
- underlying infection
- pregnancy
- active foot disease
- steroids ([JBDS guidance](#))
- other

1st Fast-acting insulin administration*

- check ketones (if not done already)
- proceed to give stat s/c fast-acting insulin as per *table 1* (e.g. *Novorapid/ Humalog/ Apidra*)
- Consider IV fluid 1L-500ml 0.9% NaCl stat followed by >100ml/hr oral/IV
- If clinically stable move to SDEC/ ACU

Reassess after 2hrs

Admission



2nd Fast-acting insulin administration*

Proceed to give 2nd dose stat s/c fast-acting insulin as per *table 1*

Unknown diabetes: See Decision Support Tool for New Diagnosis

Known diabetes: Earlier discharge with higher CBG may be appropriate if data supports historical hyperglycaemia (e.g. HbA1c of 86mmol/mol (10%) >6 months ago) and follow-up planned

Discharge and follow up

Support diabetes self-management
See: Keeping well after attending A&E: A guide for people living with diabetes

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Criteria for discharge

Metabolic

- glucose ≤ 15 mmol/l (ideally < 10.0 mmol/l) or 30% drop from initial CBG
- capillary ketones 1.0 mmol/l

Physiological

- NEWS2 score ≤ 2
- Capillary refill time ≤ 2 seconds
- No postural drop

Functional

- Able to drink and/or eat (depending on pre-morbid state)
- Back to pre-morbid state
- Minimal osmotic symptoms

Clinical

- No other clinical reason for admission

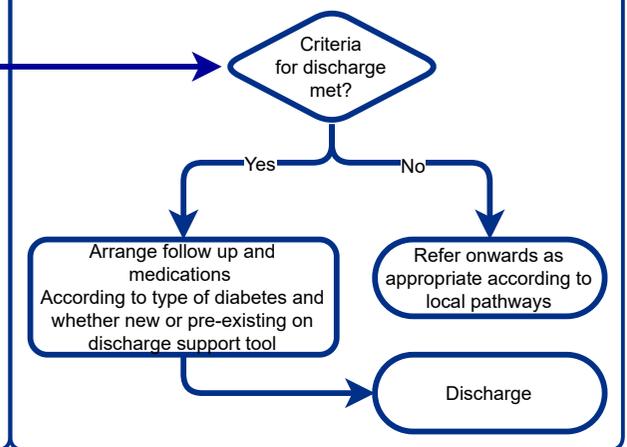


TABLE 1 Fast-acting subcutaneous insulin dosing for Type 1 & Type 2 diabetes based on CBG, ketone readings and weight

Use % of total daily dose (24hr total insulin: background + mealtime) to calculate fast acting dose. If dose unknown or insulin naïve use body weight (below)	Ketone level (mmol/L)				
	Blood ketone <math>< 0.9</math>			Blood ketone 1 - 2.9	Blood ketone >math>> 3</math>
	CBG 15 - 24 mmol/L	CBG 25 - 33 mmol/L Based on POCT	CBG >math>> 33</math> (or 'Hi') Based on POCT	CBG >math>> 15</math> mmol/L 10% of daily dose (24hr total insulin: background + mealtime) OR as below	CBG >math>> 15</math> mmol/L 20% of total daily dose (24hr total insulin: background + mealtime) OR as below
<math>< 40</math>kg	1 unit	2 units	4 units	4 units	8 units
41 - 50kg	2 units	3 units	5 units	5 units	10 units
51 - 60kg	2 units	4 units	6 units	6 units	12 units
61 - 70kg	3 units	5 units	7 units	7 units	14 units
71 - 80kg	3 units	6 units	8 units	8 units	16 units
81 - 90kg	4 units	7 units	12 units	9 units	18 units
100 - 199kg	4 units	8 units	16 units	10 units	20 units
200kg+	5 units	15 units	20 units	15 units	25 units

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