

DKA/Type 1/ Protocol - Adult

Ensure you have the correct chart

Document date & time. One chart each 24hrs

Hourly IV insulin rate below BGL

Record ketones, hypos & when MO notified

Instructions for moving between columns

INTRAVENOUS ACTRAPID INFUSION		Affix patient identification label in this box	
DKA / TYPE 1 PROTOCOL - ADULT (MR-INF-A)		UR Number:	
		Surname:	
		Given name:	
		Second given name:	
Hospital:		D.O.B: ____ / ____ / ____ Sex:	
BGL Frequency <input type="checkbox"/> Hourly <input type="checkbox"/> 2 Hourly* <small>* (only if BGL is within target range for at least 6 hours. If any alteration in insulin infusion rate, IV fluids or TPN revert to hourly BGL's.)</small>		Dr's Name: Signature: Pager No: <small>Review need for IV Insulin infusion daily before 12 pm. If continuing, rewrite on a new page.</small>	
Target BGL range: Adult Inpatient 7 to 10 mmol/L			
20..... Day/Month Time			
BGL Record (mmol/L)			
If patient remains in column 3 for four measurements, and still has not achieved target, call MO			
BGL reading			
Insulin infusion rate (Units/hr)			
Column 1, 2, 3			
Nurse (s) initials			
Ketones/ Hypo intervention (-)			
MO notified (-)			
Intravenous Insulin Protocol DKA / TYPE 1			
Column 1 BGL Units/hr BGL < 4.0 means Hypoglycaemia <5.0 Off 5.0 - 6.4 0.5 6.5 - 9.9 1.0 10.0 - 11.4 1.5 11.5 - 12.9 2.0 13.0 - 14.9 3.0 15.0 - 16.4 3.0 16.5 - 17.9 4.0 18.0 - 20.0 5.0 >20.0 6.0		Column 2 BGL Units/hr BGL < 4.0 means Hypoglycaemia <5.0 Off 5.0 - 6.4 1.0 6.5 - 9.9 2.0 10.0 - 11.4 3.0 11.5 - 12.9 4.0 13.0 - 14.9 5.0 15.0 - 16.4 6.0 16.5 - 17.9 7.0 18.0 - 20.0 8.0 >20.0 12.0	
Column 3 BGL Units/hr BGL < 4.0 means Hypoglycaemia <5.0 Off 5.0 - 6.4 2.0 6.5 - 9.9 4.0 10.0 - 11.4 5.0 11.5 - 12.9 6.0 13.0 - 14.9 8.0 15.0 - 16.4 10.0 16.5 - 17.9 12.0 18.0 - 20.0 14.0 >20.0 16.0			
New patients always begin in the green column - Column 1 Moving up At each BGL measurement ask the following two questions • Is the patient's BGL 10 mmol/litre or less? • Has the BGL dropped by at least 2.5mmol/litre in the last hour? If the answer to either question is YES - patient remains in the current column. If the answer to both questions is NO - patient moves up one column. Moving Down If BGL <4.0 mmol/L for Two consecutive measurements or insulin has been switched off - patient moves down one column			
NURSING ADMINISTRATION RECORD (Insulin IV infusion)			
Insulin (units) and sodium Chloride 0.9% (mL)	Date/time commenced	Nurse 1	Nurse 2
50 units Actrapid Insulin + 49.5mL Sodium Chloride 0.9%			
50 units Actrapid Insulin + 49.5mL Sodium Chloride 0.9%			
50 units Actrapid Insulin + 49.5mL Sodium Chloride 0.9%			
	Time stopped	Volume infused (mL)	

Hourly BGL graphed with dot in centre of square. Eg 16.1 or 16.8 in box corresponding to 16. Numerical BGL in box below.

Document insulin rate column number used eg 1, 2 or 3

Insulin algorithm based on BGL
Contact Dr if patient remains in column 3 for four(4) measurements

Nursing record of medication checked and commenced