

Calculation of Initial Insulin Requirements: Levemir and NovoRapid

- Total daily dose (TDD) is usually 1 unit of insulin per kg per day
 - This is then divided into long acting (Levemir) and short acting (NovoRapid)
 - Discuss with the consultant on call as may need modification e.g.: small/ well child without DKA may start with 0.5 unit/kg/day. Adjust as required as these numbers are only a starting point.
- Levemir is given twice a day and NovoRapid given with meals.
- To work out Levemir dose: first work out TDD, then 30% to be split into 15% mane and 15% dinner
- To work out Novorapid doses: first work out TDD then use table below.

Total Daily Dose (TDD)	Start at 1.0 Units/kg/day (TDD)*		
	30% TDD as BD Levemir	15% mane with breakfast	
70% TDD TDS NovoRapid With Meals	1/3 Breakfast	1/3 Lunch	1/3 Dinner

Transition to Carbohydrate Counting in Grams

Medical staff will review and transition to carbohydrate counting doses as soon as possible.

Initial carbohydrate counting doses calculated are based on the food information documented, blood glucose trends and past insulin doses.

Consultant will guide the medical staff with the calculation of NovoRapid insulin to cover carbohydrate intake and correction insulin to a target of 5mmol.

Medical staff are responsible for all insulin orders and adjustments to ratios.