



Missed or incorrect insulin doses for young people with Type 1 diabetes on pen injections (MDI)

IMPORTANT!



1. **Check glucose levels every 1-2 hrs**
2. Glucose below 4mmol/l :use hypoglycaemia guideline
3. Glucose above 14mmol/l use hyperglycaemia guideline
4. Seek advice early if you are concerned



CONTACT DETAILS

Mon-Fri 9am—5pm: Paediatric diabetes team office 01225 825331

Out-of-hours: **Paediatric registrar on-call** via the RUH Switchboard: 01225 428331
In an emergency you may need to call an ambulance e.g. if acute signs of DKA

Forgotten or late basal (long acting) insulin e.g. Degludec® or Tresiba®



Degludec (Tresiba®)

Give the FULL dose as soon as possible. Then give the next full dose at your usual time.

Make sure there are at least 8 hours between these insulin doses.

Glargine (Lantus®)

If within 4 hours of usual time, give the FULL dose. Then give the next full dose at your usual time. There is no need to alter the time or amount of the insulin.

If more than 4 hours late, give HALF usual dose. Then give the next full dose at your usual time. There is no need to alter the time or amount of the insulin.

Forgotten or missed bolus (fast acting) insulin

e.g. Novorapid® or Humalog®



1 hour since last snack or meal :Give insulin for carbohydrate only .

1-2 hours since last snack or meal :Give either correction dose based on current glucose level, or insulin for carbohydrate (if known). Do not do both.

2 hours or more since last snack or meal :Give correction dose immediately based on current glucose level .If about to eat again, this correction dose can be given along with the insulin for that next meal or snack.

To give insulin for carbohydrate only :Enter carbohydrate eaten without glucose reading into Mylife App/other bolus calculator.

To give insulin for correction only :Enter glucose level only into Mylife APP/other bolus calculator . Record carbohydrate as zero (0g) .

Too much bolus (fast acting) insulin



Your child will be at risk of hypos for up to 6 hours, but the risk is highest 1 – 2 hours after the injection. Check glucose levels every 1 – 2 hours for 6 hours, including overnight if necessary. Give a large carbohydrate snack at bedtime (20 – 40 grams minimum) without insulin and discourage any alcohol or activity/exercise.

Still give usual dose of long-acting insulin (Lantus® or Tresiba®) at the usual time.

Treat hypoglycaemia as required (see hypoglycaemia guideline). Your child may need admission for monitoring of glucose levels.

Basal insulin given instead of Bolus insulin



Degludec (Tresiba®):Give the next full dose at your usual time. There is no need to alter the time or amount of the insulin.

Glargine (Lantus®) :If dose accidentally given 4 hours or less before the usual time, omit the next dose. Then give the next full dose at your usual time. There is no need to alter the time or amount of the insulin.

Closer monitoring of glucose required as there may be a risk of lower blood glucose levels.