

# Correcting highs in SmartGuard™

SmartGuard<sup>™</sup> technology is working to keep your levels in range as much as possible. Auto corrections can be delivered up to 288 times a day when required and help to reduce the risk of prolonged high glucose levels, but there are some things to remember.

The algorithm is always checking your insulin needs to keep you safe. There is a safety cap to monitor how much insulin is delivered as auto corrections in a 45 minute window. If the safety cap has been reached, auto corrections may stop as corrective action by you is required. These actions are outlined in steps 2 and 3 below.

### Here are some steps to follow:

# 1. Are the high glucose levels expected or unexpected?

Did you forget to bolus for a meal?

Tip! Use the half and half rule - If it has been less than half an hour after the <u>start</u> of the meal, only enter half the carbs. If it has been longer, just do a correction dose as in step 2, if needed.

Maybe you have an infusion set issue or you are unwell? You need to change your infusion set and follow the high glucose management plan your team has given you.

## 2. Take a correction dose if the pump tells you to do so

Your pump may give you a high alert to tell you that you have been above 13.9mmol/L for over 3 hours. This may be because you forgot to bolus for a meal.

Go to the Bolus Wizard menu and try to correct using your SG reading. It may not give you as big a correction as you expect, but please remember that your auto basal may be at maximum delivery and you may have already received some auto corrections.

#### Tip! It is <u>not recommended</u> to enter carbs that you are not consuming (these are sometimes called fake or ghost carbs) as this may result in you having a low.

#### Always follow the directions for use

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For detailed information regarding the instructions for use, indications, contraindications, warnings, precautions and potential adverse events, please consult the device manual. For further information, contact your local Medtronic representative.

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### 3. Never ignore an unexpected high glucose level. Always take action!

If your levels have not started coming down after the correction bolus in Step 2, it's time to take corrective action as soon as possible.

This is because of one of the following:

- There may be a bend or kink in your infusion set
- Your infusion set may have pulled out of the skin
- Maybe your insulin is not working check the Use By Date

You need to confirm your glucose level using a BG meter, and then do the following:



In the main menu, select the Blood Glucose icon



Enter the current BG reading and Press Save



Go to the Bolus Wizard shortcut. The BG level will be shown next to a blood drop Select Deliver Bolus to complete the correction dose

Your levels should start to reduce and auto corrections will be available again.

If levels do not start to reduce, you need to follow your high glucose management plan your healthcare team has given you.