MINIMED™ 770G SYSTEM
Hybrid Closed Loop Therapy

Quick Reference Guide

SmartGuard™ Auto Mode Feature = Auto Basal Delivery

Auto Basal Target: 120 mg/dL  Customizable Bolus Settings: Insulin Carb Ratio (ICR) | Active Insulin Time (AIT)

INITIAL SETTINGS FOR MDI USERS

BASAL:
Reduce Total Daily Dose (TDD) by 15–25%
Basal Insulin Dose: Reduced TDD × 0.5
(If half the dose is > 0.4 units per kg, use weight dose below*)
Basal insulin /24 = hourly basal rate
1 or 2 basal rates (night time–day time)

BOLUS:
ICR: 450/TDD
Sensitivity factor: 1800/TDD
Blood glucose target: 100–150 mg/dL
AIT: 3–4 hours

INITIAL SETTINGS FOR PUMP USERS

BASAL:
Use current pump settings

BOLUS:
ICR: 450/TDD
Sensitivity factor: 1800/TDD
Blood glucose target: 100–150 mg/dL
AIT: 3–4 hours

INITIAL CGM AND SMARTGUARD™ SETTINGS FOR MDI AND PUMP USERS

CGM:
Suspend before low: ON
Low limit: 70 mg/dL
Alert before low: OFF
Alert on low: ON by default
Alert on high: OFF

FOLLOW UP

> 70% Time in Range
< 7.0% Adults (< 53 mmol/mol)
< 7.5% Peds (<58 mmol/mol)
< 4% Time Below 70 mg/dL
< 1% Time below 54 mg/dL
≥ 80% Sensor Use

IF GOALS ARE MET, NO CHANGES RECOMMENDED. IF GOALS ARE NOT MET, ADJUST SETTINGS.

Time ABOVE Range is HIGH
Use Meal Bolus Wizard report to evaluate:
- Pre-prandial glucose: if rise occurs, counsel patient on bolusing earlier before meal
- Post-prandial glucose: if glucose is rising more than 30–60 mg/dL, ICR most commonly needs to be adjusted to provide a larger meal dose (i.e. ICR change from 10 to 8 grams/unit)

Time BELOW Range is HIGH
Use Meal Bolus Wizard report to evaluate:
- Timing of bolus
- Overestimating of carbs (avg carbs/meal are listed)
- Smaller meal bolus may be needed (i.e. 8 to 10 grams/unit)
- If low during sleep, evaluate if smaller meal/snack bolus is needed prior to bed

If Sensor Use is < 85%
- Educate on sensor use and care
- Explore reasons for underuse

* Weight doses: weight in kg × 0.3 for adults, x 0.2 for peds, x 0.4 for adolescence | MDI = Multiple Daily Injections | CGM = Continuous Glucose Monitoring
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BEST PRACTICES

Encourage carb counting and pre-meal bolusing

If unsure how much will be eaten:
- Enter and bolus pre-meal for grams they are certain to eat
- If additional grams are consumed, enter and bolus for additional grams as eaten

If bolus is missed and glucose is high:
- If <1 hour after eating, enter half the grams eaten and recheck BG in 1 hour
- If >1 hour after eating, enter the BG and give the system-recommended correction bolus

To dose for high-fat/high-protein meals, consider entering 50–75% of grams before eating and enter the remaining carbs 1–2 hours after eating

Calibrate sensor 3–4 times per day

If BG is high, deliver the recommended correction dose

IMPORTANT SAFETY INFORMATION:
MINIMED™ 770G SYSTEM WITH SMARTGUARD™ TECHNOLOGY

The MiniMed™ 770G system is intended for continuous delivery of basal insulin (at user-selectable rates) and administration of insulin boluses (in user-selectable amounts) for the management of type 1 diabetes mellitus in persons two years of age and older requiring insulin as well as for the continuous monitoring and trending of glucose levels in the fluid under the skin. The MiniMed™ 770G System includes SmartGuard™ technology, which can be programmed to automatically adjust delivery of basal insulin based on continuous glucose monitoring (CGM) sensor glucose values and can suspend delivery of insulin when the 5G value falls below or is predicted to fall below predefined threshold values.

The Medtronic MiniMed™ 770G System consists of the following devices: MiniMed™ 770G Insulin Pump, the Guardian™ Link (3) Transmitter, the Guardian™ Sensor (3), one-press syringe, the Accu-Chek® Guide Link blood glucose meter, and the AccuChek® Guide Test Strips. The system requires a prescription.

The Guardian™ Sensor (3) has not been evaluated and is not intended to be used directly for making therapy adjustments but rather to provide an indication of when a fingerstick may be required. All therapy adjustments should be based on measurements obtained using a blood glucose meter and not on values provided by the Guardian™ Sensor (3).

All therapy adjustments should be based on measurements obtained using the Accu-Chek® Guide Link blood glucose meter and not on values provided by the Guardian™ Sensor (3). Always check the pump display to ensure the glucose result shown agrees with the glucose results shown on the Accu-Chek® Guide Link blood glucose meter. Do not calibrate your CGM device or calculate a bolus using a blood glucose meter result taken from an Alternative Site. It is not recommended to calibrate your CGM device when sensor or blood glucose values are changing rapidly, e.g., following a meal or physical exercise.

WARNING: Do not use the SmartGuard™ Auto Mode for people who require less than eight units or more than 250 units of total daily insulin per day. A total daily dose of at least eight units, but no more than 250 units, is required to operate in SmartGuard™ Auto Mode.

WARNING: Do not use the MiniMed™ 770G system until appropriate training has been received from a healthcare professional. Training is essential to ensure the safe use of the MiniMed™ 770G system.

Pump therapy is not recommended for people whose vision or hearing does not allow recognition of pump signals and alarms. Pump therapy is not recommended for people who are unwilling or unable to maintain contact with their healthcare professional. The safety of the MiniMed™ 770G system has not been studied in pregnant women. For complete details of the system, including product and important safety information such as indications, contraindications, warnings and precautions associated with system and its components, please consult http://www.medtronicdiabetes.com/important-safetyinformation#minimed-770g and the appropriate user guide at http://www.medtronicdiabetes.com/download-library

QUICK REFERENCE GUIDE

CLINICAL TIPS

Optimize ICR

Majority of patients will run a bit above the target glucose setting

Keep manual mode basal rates up to date

Sync to CareLink™ feature allows automatic uploads, giving HCPs up-to-date access to data

Guardian™ Sensor (3)
The Guardian™ Sensor (3) is intended for use with the MiniMed™ 770G System, MiniMed™ 670G system, MiniMed™ 630G system, and Guardian™ Connect system to continuously monitor glucose levels in persons with diabetes.
The sensor is intended for single use and requires a prescription. The Guardian™ Sensor (3) is indicated for seven days of continuous use.
The Guardian™ Sensor (3) has been studied and is approved for use in the systems, insertion sites, and ages listed in the following table:

<table>
<thead>
<tr>
<th>System</th>
<th>Approved Age</th>
<th>Insertion Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>MiniMed™ 770G system</td>
<td>2–13</td>
<td>Abdomen and Buttocks</td>
</tr>
<tr>
<td></td>
<td>14 and older</td>
<td>Abdomen and Arm</td>
</tr>
<tr>
<td>MiniMed™ 670G system</td>
<td>7–13</td>
<td>Abdomen and Buttocks</td>
</tr>
<tr>
<td></td>
<td>14 and older</td>
<td>Abdomen and Arm</td>
</tr>
<tr>
<td>MiniMed™ 630G system</td>
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</tr>
</tbody>
</table>

Guardian™ Link (3) Transmitter
The Guardian™ Link (3) Transmitter is intended for use with MiniMed™ 770G System.
The Guardian™ Link (3) Transmitter powers the glucose sensor, collects and calculates sensor data, and wirelessly sends the data to the MiniMed™ 770G insulin pump. The Transmitter is intended for single-patient multi-use.

Accu-Chek® Guide Link Blood Glucose Monitoring System
The Accu-Chek® Guide Link Blood Glucose Monitoring System is comprised of the Accu-Chek® Guide Link meter and the AccuChek® Guide test strips. The Accu-Chek® Guide Link Blood Glucose Monitoring System is intended to quantitatively measure glucose in fresh capillary whole blood from the fingertip, palm, and upper arm as an aid in monitoring the effectiveness of glucose control. The Accu-Chek® Guide Link Blood Glucose Monitoring System is intended for use in diagnostic single-patient use by people with diabetes. The Accu-Chek® Guide Link Blood Glucose Monitoring System is intended to be used by a single person and should not be shared. This system is not for use in diagnosing or screening for diabetes mellitus and not for neonatal use. Always test the system in the manner indicated by the manufacturer.

WARNING:
- Do not use Alternative Site Testing to calibrate a continuous glucose monitoring system.
- Do not use Alternative Site Testing to make insulin dosing calculations.

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