THE ONLY SYSTEM^ CLINICALLY PROVEN TO REDUCE HYPOGLYCAEMIA

MINIMED® 640G SYSTEM^ WITH SMARTGUARD™ TECHNOLOGY

Medtronic
HYPOGLYCAEMIA IS CHALLENGING FOR GLYCAEMIC CONTROL\(^1\) AND QUALITY OF LIFE\(^2\)

Achieving good glucose control without the risk or fear of going low is a challenging balancing act for you and your patients.

ON AVERAGE A PATIENT EXPERIENCES

\(2\) SYMPTOMATIC HYPOS PER WEEK.\(^1\)

74% OF TYPE 1 PATIENTS REPORT ALTERING INSULIN DOSES OUT OF FEAR OF HYPOGLYCAEMIA.\(^3\)

26% OF SEVERE HYPOGLYCAEMIC EVENTS LEAD TO SEIZURES & COMA.\(^4\)

POOR GLYCAEMIC CONTROL PROVIDES RISK FOR BOTH DEVELOPMENT AND PROGRESSION OF DIABETES COMPLICATIONS.\(^5\)
Hypoglycaemia is the biggest barrier to good glycaemic control in patients with type 1 diabetes. It causes fear and worry for patients and is costly to our healthcare budgets.\textsuperscript{3}

Patients with severe hypoglycaemia have a greater fear of hypos, more diabetes-related distress and poorer general emotional wellbeing.\textsuperscript{3}

“Hypoglycaemia is the biggest barrier to good glycaemic control in patients with type 1 diabetes. It causes fear and worry for patients and is costly to our healthcare budgets.”

Dr Conget
MINIMED 640G SYSTEM WITH SMARTGUARD PROVIDES ADVANCED PROTECTION AGAINST HYPOGLYCAEMIA

75% OF SMARTGUARD EVENTS DID NOT HIT THE LOW GLUCOSE LIMIT.  

Based upon SmartGuard real life data from 4,818 patients*

SmartGuard, our exclusive closed loop technology, provides protection against hypoglycaemia. It can:

HELP PREVENT SEVERE HYPOGLYCAEMIC EPISODES
Automatically stops insulin when sensor glucose is predicted to approach a pre-set low limit.

HELP AVOID HYPERGLYCAEMIC REBOUND
Resumes insulin delivery when levels recover.

HELP PROVIDE BETTER PROTECTION AGAINST LOWS
Allows your patients to set multiple low limits throughout the day and night.
TRUST SMARTGUARD TO DO THE WORK

NO INCREASE IN HYPERGLYCAEMIA

SmartGuard technology provides advanced protection from hypoglycaemia without significant increase in hyperglycaemia.¹

SMARTGUARD REAL LIFE PERFORMANCE DATA

<table>
<thead>
<tr>
<th>Time from the Suspend event (hr)</th>
<th>Sensor Glucose mmol/L</th>
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<tbody>
<tr>
<td></td>
<td>Low limit</td>
</tr>
<tr>
<td>-2</td>
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<td>-1</td>
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<td>6</td>
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<tr>
<td>SmartGuard feature: On</td>
<td></td>
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<tr>
<td>SmartGuard feature: Off</td>
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</tr>
</tbody>
</table>

LESS GLYCAEMIC VARIABILITY

Sensor Glucose values associated with automatically-resumed events showed less glycaemic variability than those associated with manually-resumed events.⁷

Trust our accurate system to provide Advanced Protection for your patients (9.1% MARD).⁹

“The MiniMed 640G system\(^{\ddagger}\) with SmartGuard significantly reduces hypoglycaemia in clinical practice and allows more time to be spent within target glycaemic range.”
MINIMED 640G SYSTEM™
GREATER CONVENIENCE
IMPROVED DESIGN

Diabetes is already complicated, your patients’ system shouldn’t be.

GREATER CONVENIENCE
Greater and easier dosing for patients with the Bolus Wizard™ calculator.*
Preset bolus options, personalised basal patterns and programmable reminders for easy customising of your patients’ therapy.

IMPROVED DESIGN
Intuitive navigation for easy training.
Waterproof** allowing uninterrupted wear.
Full-colour, auto-brightness display for legibility even for patients with reduced eyesight.

* Calculation is based on the amount of insulin currently in the body, the amount of carbohydrates, the user’s current and target blood sugar levels, their insulin-to-carb ratio and their body’s sensitivity to insulin. Proper Bolus Wizard setup must be completed first. Users must input the number of carbohydrates their current blood glucose value before the Bolus Wizard can calculate the insulin users.

** Waterproof at time of manufacture up to 3.6 meters for up to 24 hours at a time. See MiniMed 640G User Guide for a complete description of the waterproof capabilities and proper use instructions.
MINIMED 640G SYSTEM^ WITH SMARTGUARD TECHNOLOGY
IT THINKS

INSULIN DELIVERY
Medtronic offers a wide range of infusion sets so that you can choose the right infusion set for your patients’ comfort and safety.

CONTINUOUS GLUCOSE MONITORING
The Enlite™ sensor provides a reliable CGM experience for your patients.\(^^\)

THERAPY MANAGEMENT TOOLS
CareLink™ Pro software includes insightful trend reports and therapy considerations to help you make informed treatment decisions for your patients.

BLOOD GLUCOSE TESTING
Contour™ Next LINK 2.4 meter links wirelessly to MiniMed 640G and provides proven\(^1,2\) testing accuracy and discreet remote bolusing.

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When combined with the MiniMed 640G system and Guardian 2 Link transmitter. Component is sold separately.

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Safety Information: MiniMed 640G
MiniMed™ 640G Insulin Pump system is indicated for the continuous delivery of insulin, at set and variable rates, for the management of diabetes mellitus in persons requiring insulin. In addition, the pump system is indicated for continuous or periodic monitoring of glucose levels in the fluid under the skin, and possible low and high glucose episodes. When using a sensor and transmitter, the pump displays continuous glucose values and stores this data so that it can be analyzed to track patterns and improve diabetes management. Pump history can be downloaded to a computer for analysis of historical glucose values. The continuous sensor glucose values provided by the MiniMed™ 640G insulin pump system are not intended to be used directly for making therapy adjustments. Rather, they provide an indication that a confirmation fingerstick measurement may be required. All therapy adjustments should be based on measurements obtained using a home glucose monitor and not based on the value displayed by the pump. For listings of indications, contraindications, precautions, warnings and parental adverse events, please refer to the instructions for use. MiniMed™ 640G, SmartGuard™, Bolus Wizard™, Guardian 2 CareLink and Enlite are Trademarks of Medtronic Inc. Bayer®, Bayer Cross® are trademarks of Bayer. Ascensia and CONTOUR are trademarks of Ascensia Diabetes Holdings A/S.

Please visit www.medtronicdiabetes.com/important_safety_information for complete details.

PROOVAL #3105-062016 Date of prep: April 2016