



The MiniMed Paradigm[®] Veo[™] System

Live More, Worry Less



—
First CGM-ready insulin pump with
automatic insulin shut-off mechanism

www.medtronic-diabetes.co.uk



The freedom you and your child deserve

Round-the-clock support for the very first time



They say worrying is in every parent's job description. Your first concern each day is your child and so of course relaxing is difficult. But when your child has diabetes it is even harder to switch off. Even at night, when your child is tucked up in bed you can't help but worry about their glucose levels – particularly if they are prone to hypoglycaemia.

So is it ever possible to relax when your child has diabetes?

With the Paradigm® Veo™ System, the answer is a resounding “yes” – because it can keep a close eye on your child's glucose levels 24 hours a day*. Because you always know how your child is reacting to food, exercise and insulin, you can respond appropriately **every time**. More importantly, the Paradigm Veo System can **actively help your child** to avoid severe hypoglycaemia – even when he or she is asleep.

How? The Paradigm Veo is the only pump in the world that can detect hypoglycaemia as well as respond by suspending insulin delivery*. After two hours, insulin delivery is resumed. If required, you can also start insulin delivery manually at any time during the shut-off period.

Why choose the Paradigm Veo?

Quite simply, the Paradigm Veo will give your family well-deserved peace of mind. Every waking or sleeping hour the Paradigm Veo can be on hand to monitor your child's condition, offer helpful suggestions and protect against excessively high or low glucose levels.

We know it won't stop you worrying completely, but knowing your child is free to live a normal life will certainly help.

* Requires the use of Continuous Glucose Monitoring - CGM (p.4)



The Paradigm Veo System will help manage your child's diabetes 24 hours a day

Paradigm Veo at a glance

24/7 control:

Continuous Glucose Monitoring (CGM) gives you all the information you need to make the right decisions for your child

Sound advice:

Simple alerts recommend action to keep your child's glucose levels stable

Severe hypoglycaemia protection:

Insulin delivery is halted if your child's glucose levels are too low

Precision:

A minimum basal rate of 0.025 U per/hr improves the flexibility of insulin delivery

Individual:

5 colour options and a range of SKINS allow your child to personalise their pump

Take control of your child's diabetes

Make all the right decisions with Continuous Glucose Monitoring (CGM)

Understanding your child's glucose levels is vital if you are to help them to manage their diabetes effectively. Unfortunately, fingerstick tests only give you a fraction of the information you need. Even if you test several times a day, it's unlikely you'll know how your child's glucose is behaving – whether they're heading to school in the morning, playing football in the afternoon or watching a movie with friends in the evening. This is why Medtronic's engineers have integrated Continuous Glucose Monitoring – or CGM for short – into the Paradigm® Veo™. Instead of isolated snapshots, you and your doctor will have a clear, continuous picture of what is going on 24/7.

Stress-free diabetes management?

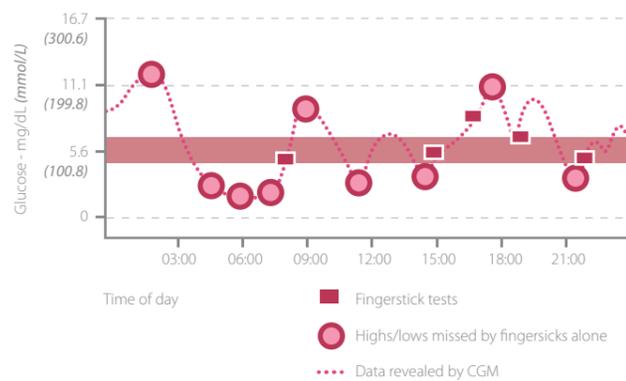
With the Paradigm Veo and its CGM capability (use of MiniLink™ Transmitter and sensor), interstitial glucose readings are updated every five minutes and displayed on the pump screen¹. You can then see the direction in which your child's glucose is moving. By analysing "trend" information you can also genuinely help your child to manage their diabetes more effectively. Indeed, it is often a lack of information that leaves your child vulnerable to dangerously high or low glucose levels.

Without a doubt, CGM represents a major breakthrough in the history of diabetes management. Put simply, CGM takes the stress out of managing your child's diabetes by giving you all the important information you need.

Do I have to change my whole routine?

Not if you don't want to. While research shows that CGM helps manage diabetes better², we understand that not everybody is ready to monitor their child's glucose levels in this way. You may, for example, be keen to continue with your existing fingerstick routine only. That's why we refer to the Paradigm Veo as "CGM-Ready", which means you can switch the CGM functionality on or off anytime - depending on your preferences. With the CGM function off, you will keep on enjoying the benefits of the Paradigm Veo as an insulin pump in its own right. With the CGM function on, you will in addition benefit from the Low Glucose Suspend (LGS), the automatic insulin shut-off mechanism.

Continuous Glucose Monitoring



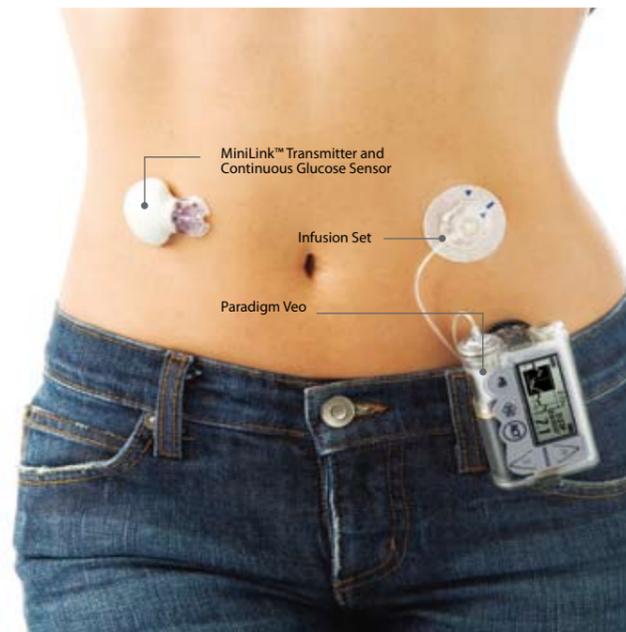
1. This data is intended to supplement, not replace, blood glucose information obtained using standard home blood glucose monitoring devices. Fingersticks required when adjusting insulin delivery or calibrating the glucose sensor.
2. Kaufman FR, Gibson LC, Halvorson M, Carpenter S, Fisher LK, Pitukcheewanont P. A pilot study of the continuous glucose monitoring system: clinical decisions and glycemic control after its use in pediatric type 1 diabetic subjects. *Diabetes Care*. 2001;24(12):2030-2034.



Diabetes management made easier

A simple system you can trust

The Paradigm® Veo™ is part of a system of small components, which work together seamlessly to monitor your child's glucose levels and send them wirelessly to the pump. The information is then displayed clearly on the pump's screen, giving you up-to-date glucose readings day and night.



How do the pieces fit together?

First of all, the tiny glucose sensor is placed under the skin in a virtually painless process. It then measures glucose levels in the interstitial fluid, adding more detail to the information you already receive from your Bayer CONTOUR™ LINK fingerstick measurement. In total, the sensor records glucose readings every five minutes – that's 288 a day. For your convenience, when combined with the sensor, Veo allows you to view your glucose values for up to six days at a time. The MiniLink™ Transmitter, which is comfortable, discreet and waterproof*, communicates all of this information wirelessly to the pump.

For even greater control, you can use Medtronic's CareLink™ Personal therapy management software, which allows you to upload and view your child's data on a secure internet site. This helps you to analyse the readings and identify trends.

Do you struggle to work out bolus doses?

Calculating the correct bolus dose for your child is not easy, which is why the Paradigm Veo also incorporates a patented bolus calculator called Bolus Wizard®. At the touch of a few buttons, the Bolus Wizard calculator uses your child's personal settings, blood glucose readings, carbohydrate intake and active insulin duration to suggest a bolus amount. So instead of wasting time working out complex sums in your head, you can rely on the Paradigm Veo to do the math.

It's so simple and does the hard work for you!

* Waterproof up to a depth of 2.4m



Peace of mind

Enhanced protection from severe hypoglycaemia with the Paradigm® Veo™ System

Many people may be worried about hypoglycaemia, which can be one of the most frightening aspects of living with diabetes. Those who have experienced severe hypoglycaemia may also worry about the next unpleasant episode. For children, hypoglycaemia can be an even greater concern – particularly if it happens at night.

So how does the Paradigm Veo System help?

It is the world's **first** insulin pump equipped with a Low Glucose Suspend (LGS) function, designed to help protect your child from severe hypoglycaemia. Imagine, for example, that your son or daughter is fast asleep and their glucose level begins to fall. Unlike all other pumps, the Paradigm Veo uses sensor data to recognise the danger and issues a warning. If no action is taken, the Paradigm Veo responds quickly by halting insulin delivery for two hours.

After this two-hour shut-off period, insulin delivery starts again. This added protection gives you both a better chance of sleeping soundly through the night. The fear of hypos can become a thing of the past.



How else does the Paradigm Veo System boost glycaemic control?

In addition to the Low Glucose Suspend function, the Paradigm Veo is equipped with a number of innovative features that will help keep your child's glucose levels stable. Collectively, these give your child the best possible chance of staying safe and avoiding highs or lows.

Active Insulin Onboard

May help prevent hypoglycaemia by telling you how much insulin is still active from the previous bolus.

Predictive Alerts*

You can set predictive alerts 5, 10, 15, 20, 25 or 30 minutes before a high or low glucose limit has been reached, allowing you to take early action.

Rate of Change Alerts*

You are told when glucose levels are rapidly rising or falling, allowing you to take immediate action.

Missed Meal Bolus Reminder

Helps avoid hyperglycaemia by warning you when a meal bolus may have been missed.

Trend Arrows*

Enjoy increased awareness of potential hypo- or hyperglycaemia thanks to the trend arrows, showing how fast and in which direction your child's glucose has moved over the past 20 minutes.

Low and High Threshold Alerts*

Benefit from additional protection with alerts whenever your child is crossing the high or low glucose limit. The risk of hypo- or hyperglycaemia is minimised^{3/4}.

* Requires the use of CGM

3. Bode B, Gross K, Rikalo N, Schwartz S, Wahl T, Page C, Gross T, Mastrototaro J. Alarms Based on Real-Time Sensor Glucose Values Alert Patients to Hypo- and Hyperglycemia: The Guardian Continuous Monitoring System. *Diabetes Technol Ther.* 2004;6(2):105-113.
4. Garg S, Zisser H, Schwartz S, et al. Improvements in glycaemic excursions with a transcutaneous, real-time continuous glucose sensor. *Diabetes Care.* 2006; 29:44-50.

The right insulin pump for your child

Why compromise?

Being a child with diabetes is tough enough, which is why we have worked to make the Paradigm® Veo™ as patient-friendly as possible. From the Continuous Glucose Monitoring to the Low Glucose Suspend function, it is a pump that allows your child to live more and worry less.

Easy to use

Aside from its industry-leading functionality, the Paradigm Veo is also exceptionally **simple to operate**, which means you'll have no trouble whatsoever helping your child to get to grips with it. If you have a young child you will clearly need to be on-hand to help, but there is no reason why a young teenager should not feel comfortable handling the Paradigm Veo alone.

Here are some of the features included specifically to assist young children:

- You only need to press a few buttons to make appropriate selection and adjustments
- Simple on-screen instructions help with the infusion set and reservoir changes
- An easily-accessible backlight illuminates the pump's screen in the dark
- Large, clear text makes all on-screen information easy to read

Small and discreet

The Paradigm Veo can be attached to a belt, kept in a pocket or hidden under clothing – and it is the same size and weight as a mobile phone or MP3 player. This makes it ideal for young, active children who don't want their pump to get in the way of having fun.

Plenty of colours

Different pump colours and changeable SKINS enable your child to change the pump's look and feel as often as they like, allowing them to create a pump they feel comfortable using.



Paradigm Veo
Deep Purple



Paradigm Veo
Pretty in pink



Paradigm Veo
Pacific Blue



Paradigm Veo
Moonshine Silver



Paradigm Veo
Panther Black



Paradigm Veo SKINS
Pop



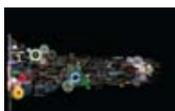
Paradigm Veo SKINS
Indian Summer



Paradigm Veo SKINS
Bubbles



Paradigm Veo SKINS
Blue Squares



Paradigm Veo SKINS
Techno

All colours and SKINS are subject to availability.

About Medtronic

Medtronic is a leader in diabetes technology with over 25 years of industry experience

Medtronic is committed to closing the loop, the future of diabetes care

Medtronic technology provides complete systems to cater to everyone's individual needs

User safety

Indications

The Paradigm® Veo™ (554/754) pump systems are 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 blood glucose episodes. The pump displays continuous glucose values and stores this data so that it can be analysed to track patterns and improve diabetes management. Pump history can be downloaded to a computer for analysis of historical glucose values. The continuous glucose values provided by the Paradigm® Veo™ (554/754) pump systems 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.

Contraindications

Pump therapy is not recommended for people who are unwilling or unable to perform a minimum of four blood glucose tests per day and to maintain contact with their healthcare professional. Successful insulin pump therapy requires sufficient vision or hearing to allow recognition of the pump signals and alarms. Patients should always discuss benefits and potential risks with a physician. Please review the product's technical manual prior to use for detailed instructions and disclosure.



Try on the Paradigm® Veo™ 500-serie pump for size (actual size)

Get in touch

Speak to our experts today

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