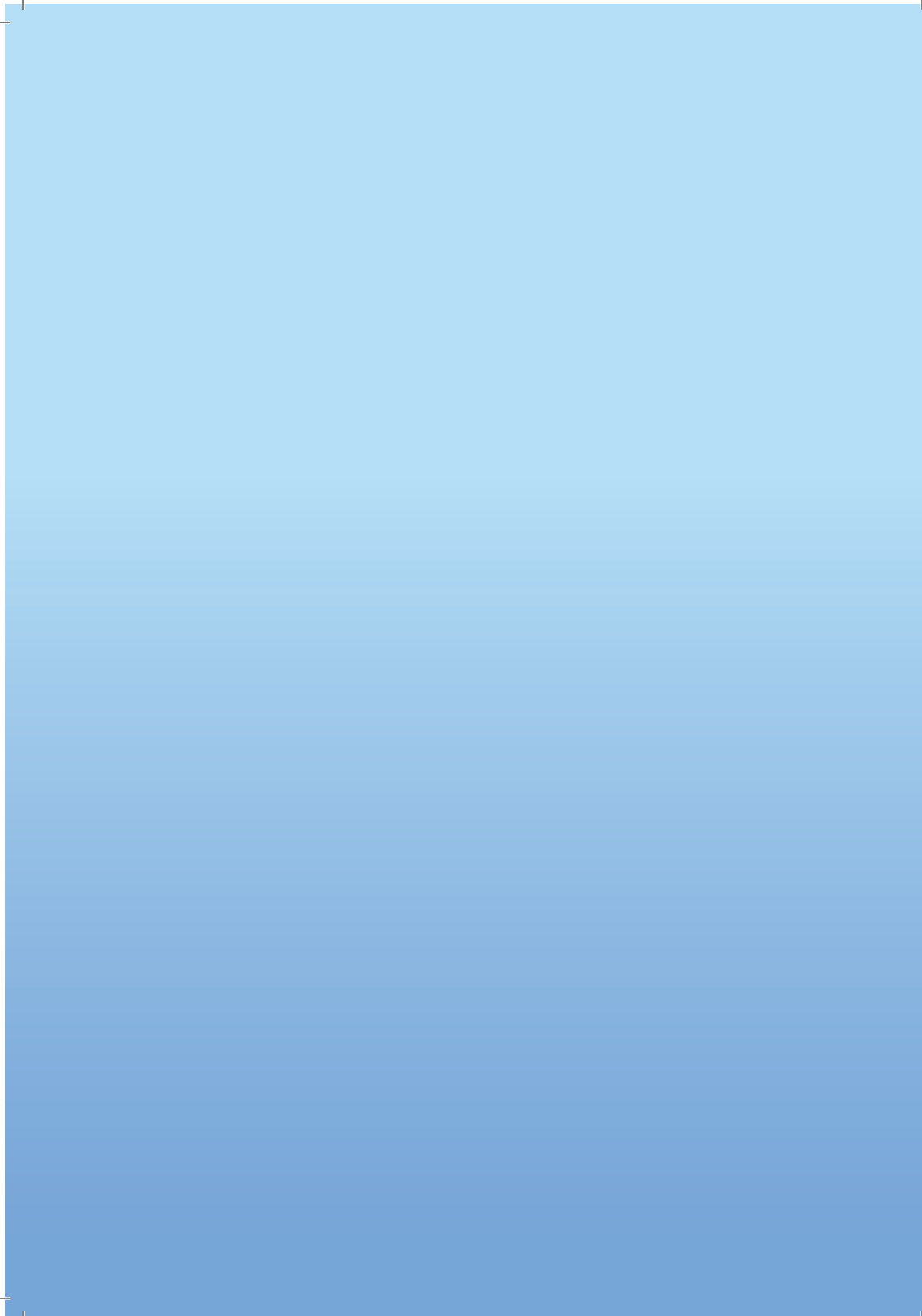


TANTALUS™

Diabetes Control Technology

Patient Information Booklet





TANTALUS - Control Your Diabetes, Free Your Life

TANTALUS is a new medical device that can help you control your eating habits, lower blood glucose and reduce body weight

Has your family doctor or diabetologist told you that you have diabetes and weight control is becoming a real challenge?

Have you been trying to change your eating habits, add exercise to your daily routine and trying to follow the daily regime and anti-diabetes medication?

If you have not been able to control your sugar level or substantially reduce weight in spite of all these measures, then you know that

Controlling Diabetes is not Easy!

Your doctors may suggest adding daily injections, such as Insulin, to your treatment. Insulin treatment is more powerful than oral medication for controlling blood sugar, but will also make it even more difficult to lose weight since use of insulin may cause weight gain. Insulin treatment also requires sticking your finger and measuring your sugar level. Insulin treatment might cause hypoglycemia (blood glucose level which is too low) that can be very uncomfortable and dangerous.

There May Be Another Option For You

TANTALUS

A New Hope for Treatment of Type 2 Diabetes

Your doctor may have mentioned TANTALUS as an option and the following information is intended to give you more details

Please read carefully and speak with your doctor to see if TANTALUS is right for you

What is TANTALUS ?

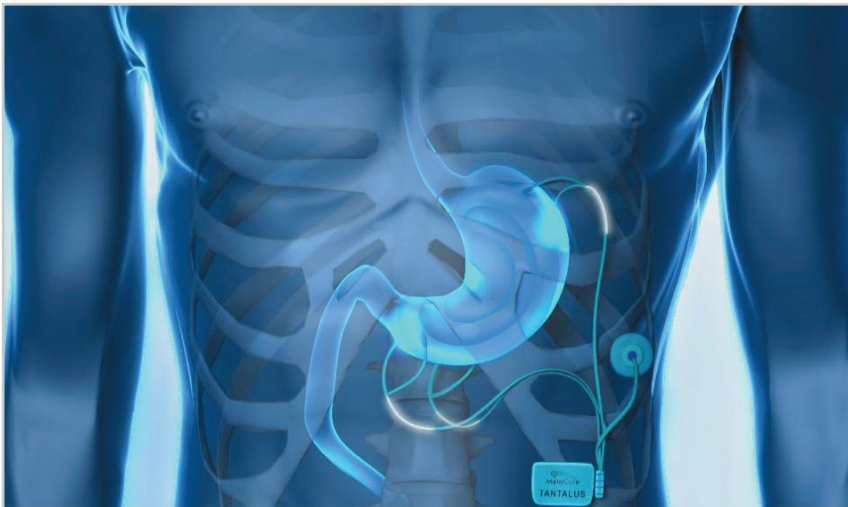
- The TANTALUS is a medical device designed to improve glycemic (sugar) control and induce weight loss in obese and diabetic patients who have not achieved sufficient control of their blood sugar levels using anti-diabetic drugs.
- The TANTALUS device is implanted in the abdomen using a simple procedure
 - The implant procedure places electrodes in the muscle of your stomach and a pacemaker-like device, under the skin.
 - It is performed using a minimally invasive surgical procedure known as laparoscopy that does not require opening of the abdomen and does not leave large scars.
 - The implant procedure will not change your anatomy so the procedure can be reversed at anytime.
- The TANTALUS device is designed to work automatically when you eat so you don't need to activate it and no one will know when it is active
 - It uses a new scientific development that is designed to send electric pulses to the stomach while you are eating with the intention of improving the way your body handles the food and making you feel full sooner.

More about the TANTALUS System

The TANTALUS Pulse Generator is about the size of a pager and, together with the charging coil, will be implanted under your skin and will not be visible or limit you physically. The leads are implanted in your abdomen in a safe laparoscopic procedure.

The leads are used to monitor stomach activity and deliver the electrical signals. Once the pulse generator detects that food is being consumed it begins sending electrical pulses to enhance stomach action which results in reduced food intake and improved Glycemic control.

This new technology has been shown in clinical trials to result in weight loss and improved sugar levels in obese Type 2 diabetic patients.

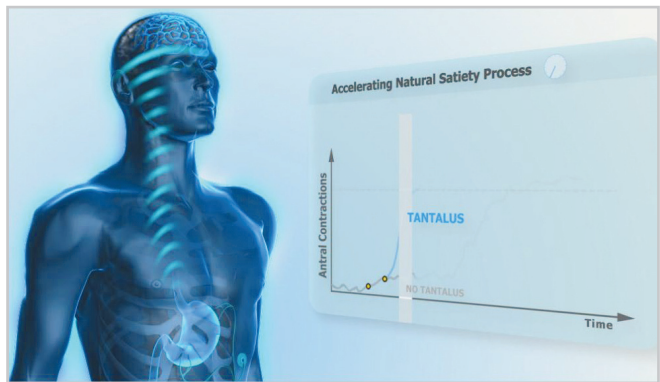


- The TANTALUS System helps your body consume less food while better controlling your blood glucose levels
- The TANTALUS System does not interfere with the natural anatomy of the stomach or the normal digestion process

The TANTALUS System is CE marked and is commercially available in select locations in Europe and Asia.

How Does the TANTALUS Work?

The stomach is always active, even when we don't eat. However, when we start to eat the body needs to secrete hormones in order to handle the intake of nutrients properly while controlling blood sugar level. The stomach contractions become



stronger as we eat and, towards the end of the meal, the contractions become strongest and more efficient, grinding the food and pushing it out of the stomach towards the intestine. These strong contractions also signal the brain that the stomach is being filled.

In diabetic patients, this hormonal secretion mechanism does not work well and therefore, sugar levels become elevated. The TANTALUS System is designed to help the body gain control of sugar levels during and after the meal by enhancing the stomach response. TANTALUS continuously monitors stomach activity to detect food intake and its internal computer “knows” when you are eating by observing the small changes in the stomach from the first bites.

When TANTALUS senses that eating started it begins sending electrical pulses to enhance stomach action which results in the feeling of fullness early on and improves the digestive system's response to the caloric intake.



You Start EATING



Natural, Small Changes in Your STOMACH
Tell TANTALUS That You are Eating



The TANTALUS Automatically Starts Stimulation
to Enhance your Body's Response to the Meal



Your Sugar Level is Better and You Eat Less
without even knowing the device was working

What should you expect from TANTALUS?

The TANTALUS System has been tested for safety and efficacy in numerous clinical studies. These studies demonstrated the system to be well tolerated by patients while functioning as intended.

In these clinical trials, subjects were required not to take any medications or dietary supplements that may further affect their weight or digestion and were not prescribed with any diet or exercise program.

Studies have shown improvement in blood sugar levels that are measured by a change in HbA1c and moderate weight reduction, as shown in the following schematic figures.

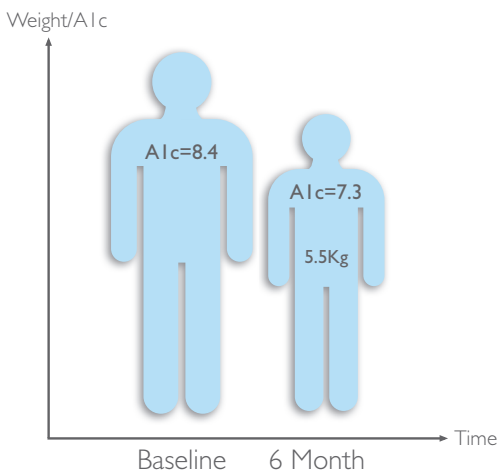


Figure I - Graphs showing change of HbA1c level and average reduction of weight after 6 months

Schematic presentation of data collected from several clinical studies in the US and Europe with a total of 50 subjects : The results show an average weight loss of about 6Kg and more than one point reduction in HbA1c which is the standard way to measure changes in blood sugar over a long period of time. All subjects were diabetic patients who were obese and treated with anti-diabetes pills.

- Adequate control of blood sugar can often help people with Type 2 Diabetes Mellitus avoid starting insulin treatment.
- Adequate control of blood sugar can help people with Type 2 Diabetes Mellitus prevent complications such as nephropathy, and cardiovascular events.

More about the Implant Procedure

The leads are implanted in a minimally invasive (laparoscopic) surgery under general anesthesia. The Implantable Pulse Generator (IPG) and the charge coil are implanted in pockets under the skin and the electrodes are attached to the stomach.

This procedure will require that up to four (4) small cuts (each about 5 mm long) be made in four areas on your abdomen. The holes will allow the surgeon to view and to properly attach the leads to your stomach. This is similar to other laparoscopic procedures.

Your physician will also make two small cuts in your abdomen, just below the ribs on the left side, to make a pocket for the IPG device and charge coil.



The laparoscopic approach allows for a rapid recovery with minimal discomfort after the procedure.

Patients are typically able to start eating the next day. No special dietary instructions are required. The hospital stay is usually about 1-2 days.

Some discomfort after surgery should be expected.

- Unlike some other surgical techniques, TANTALUS does not alter the natural anatomy of the stomach and does not interfere with the body's normal digestion processes.
- Therefore, the procedure can be reversed and the device can be taken out at anytime.

Do you know?

Electrical stimulation treatment has become widely used in different medical fields (cardiac pacemakers, pain control devices, epilepsy treatment) with positive outcomes that are revolutionizing the way some diseases are treated today.

What should you expect from TANTALUS?

Patients living with the TANTALUS System are not limited from any type of food and can perform the same physical activity as before the implant as long as these activities are not contact sports or activities which could damage the implanted system.

Once implanted, the device operates automatically and requires no daily action on your part.

The signal parameters are adjusted by a technician before you start the therapy to determine the most suitable setting. The activation is seamless to the patient and is not associated with pain.

You will need to charge the battery using a portable charger, which you will receive upon discharge



The charging is wireless and should be repeated once a week for about 45 min



So remember, you will not need to carry any device or change anything in your daily routine. You are only required to charge the device for 45 minutes once a week. Charging is done from outside the body (no needles) using a light portable charger. You should not feel any pain or discomfort when the device is active or when you are charging.

Remember

Consult with your doctor regarding recommended food choices and exercise regimens for Type 2 Diabetes.

Is TANTALUS right for me?

If you are interested in the TANTALUS System you can check if it is suitable for you by answering these simple questions. Your physician may already have checked or will check these criteria with you:

- I am older than 18 years old
- My BMI is between 30 and 45 (Kg/m²)
- My HbA1c level is above 7.0%
- I am presently taking oral medications to treat my diabetes
- I have been diagnosed with Type 2 Diabetes Mellitus for more than 6 months

If the answers to all these questions are yes, you may be a suitable candidate for TANTALUS.

So what are the benefits for you?

- The TANTALUS System helps to reduce blood sugar levels in patients inadequately controlled by oral anti-diabetic medication.
- Clinical studies have shown that most patients have reached significant improvement in diabetes and weight loss after 6 months of therapy.
- Additional benefits of controlling Type 2 Diabetes Mellitus may include improvement of co-morbidities such as blood pressure, waist circumference, HDL and Triglycerides.
- The TANTALUS System operates automatically and requires no daily action on your part.
- The TANTALUS System was found to be safe and effective in clinical trials.
- The TANTALUS System offers these benefits in a minimally invasive and reversible surgical approach.

About MetaCure

MetaCure Limited, a medical device company formed in 2003, is dedicated to the development and commercialization of minimally invasive solutions for one of today's most pressing global epidemics: Diabesity - Type 2 diabetes ("T2DM") with Obesity. The Company is organized in Bermuda and has offices in US and Europe. The company's flagship product is the TANTALUS™ System - an advanced gastric stimulator. The TANTALUS technology is based on a proprietary electrical stimulation technology.

The Tantalus System is CE Marked.



Visit our web-sites:

www.metacure.com www.metacure.de

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