



TREATMENT FOR OBESITY

# heliosphere® Newtech

REF:  
**720**

## INTRAGASTRIC AIR BALLOON

### Characteristics

Morbid obesity is a serious danger for the health and the quality of patient's life. As a minimally invasive, reversible and comfortable medical implant, HELIOSPHERE® Newtech is a guarantee of safe and effective pre-operative treatment for morbid obesity.

#### Non-surgical and minimally invasive

- Put in place in around 20 minutes by endoscopic route without the need to hospitalise the patient.

#### Inflated with air

- Light so reducing post-implantation nausea, vomiting and the feeling of pain.

#### Implantation time

- 6 months.

#### Reinforced airtight

- Protective polymere coating.

#### Facilitated implantation

- Easy cover removal system.
- Reduction in introduction diameter.

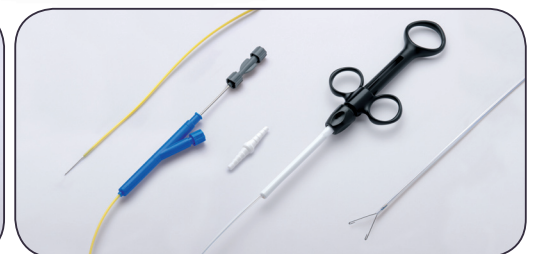
#### Facilitated extraction

- Reduction in extraction force.
- Single and tranparent wall.

LNE/G-Med CE marking  
Class II b



Implantation system



HELIOSPHERE® Extraction Kit

VOLUME OF INFLATED  
BALLOON **720 cm<sup>3</sup>**

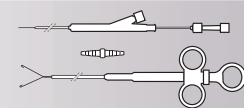


HELIOSPHERE®  
Newtech Ref. 720

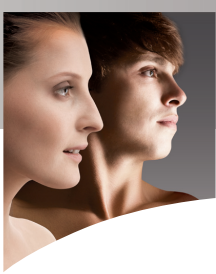


- 1 single-pouch balloon - polymere coating
- 1 insertion kit pre-connected to the balloon
- 1 X 60 cc syringe

HELIOSPHERE®  
Extraction Kit



- 1 deflation needle
- 1 pair of extraction forceps
- 1 universal connector for aspiration tube



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## INTRAGASTRIC AIR BALLOON

### Indications

It is important for the success of the treatment that the use of the HELIOSPHERE® Newtech intragastric balloon is accompanied by medical and dietetic monitoring.

#### Morbid obesity (IMC 50-60)

- • • Serious medical and mortality risks.

#### Pre-operative

- • • Lowering of the anaesthetic and surgical risk.

For a Body Mass Index lying between 30 and 50, the use of the HELIOSPHERE® Newtech Ref. 600 intragastric balloon is recommended.

Read the operating instructions.

### Results

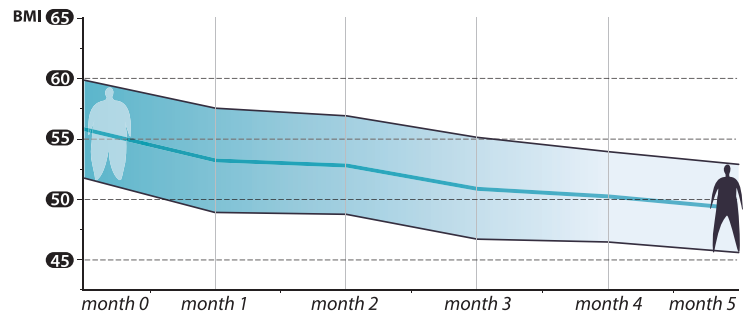
Once inflated, the balloon reduces the nominal volume of the stomach. By acting on the mechano-receptors in the upper part of the stomach, HELIOSPHERE® Newtech causes a rapid feeling of satiety at meals. The patient eats less and loses weight.

#### Efficacy

- • • Reduction in the Body Mass Index to below 50 for the majority of patients.<sup>(1)</sup>
- • • Lowering of surgical risks thanks to the pre-operative partial reduction in weight.

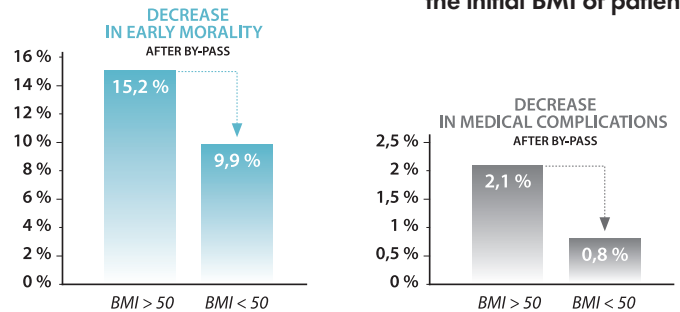
A study observes a direct link between surgical risks and the initial Body Mass Index of patients. The reduction in the BMI before by-pass lowers the risks of medical complications or early mortality.<sup>(2)</sup>

Reduction of BMI in 46 patients<sup>(1)</sup>



<sup>(1)</sup> According to the European prospective database (Observatory of HELIOSCOPE).

Correlation of surgical risks with the initial BMI of patients<sup>(2)</sup>



<sup>(2)</sup> According to the results of the ROUX-EN-Y GASTRIC BY-PASS clinical studies in 1,000 operated patients.

### BIBLIOGRAPHY

<sup>(2)</sup> Factors Affecting Morbidity and Mortality of Roux-en-Y Gastric Bypass for Clinically Severe Obesity: An Analysis of 1,000 Consecutive Open Cases by a Single Surgeon. Louis Flancbaum. J Gastrointest Surg (2007) 11:500-507

FROM TECHNOLOGY TO HUMAN

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