



Presidenti: P. Gentileschi, A. Giovanelli,
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Un palloncino li solleverà

RD. BERTA

*U.O. Chirurgia Bariatrica e Metabolica
AOU Pisa*

Gastric Balloons before Bariatric Surgery

Gastric Balloons Offer an Option for Patients who:

- **Have failed attempts of medical weight loss**
- need rapid minimal weight loss (for knee replacement, to enable fertility in patients with PCOS)
- Are out of indication for surgery (BMI < 35)
- Refuse Bariatric Surgery
- **ARE SUPEROBESE WAITING FOR BARIATRIC SURGERY**



Gastric Balloons before Bariatric Surgery

Endoscopic Gastric B

**NO INDICATION BEFORE
BARIATRIC SURGERY**

deposition in the pharyngeal cavity secondary to... functional residual capacity

IGB insertion... weight loss but did not improve the perioperative... postoperative weight loss.

«3 severe complications occurred during IGB removal»

OBESURG
DOI 10.1007/s11695-016-2383-x

ORIGINAL CONTRIBUTIONS

Impact of Intra-gastric Balloon Before Bariatric Surgery on Patients with Super Obesity: a Multicenter Study

B. Coffin^{1,2} & V. Maunary^{3,4} & F. Pattou^{3,4} & X. Hébuterne^{5,6} & S. Schneider^{5,6} & M. Coupaye^{1,2} & S. Ledoux^{1,2} & F. Iglücki^{1,2} & F. Mion^{7,8} & M. Robert^{7,8} & E. Disse^{7,8} & J. Escourrou^{9,10} & G. Tuyeras^{9,10} & Y. Le Roux¹¹ & C. Arvieux^{12,13} & P. Poudroux^{14,15} & N. Hutten^{16,17} & T. Alfaïate¹⁸ & D. Hajage¹⁸ & S. Msika^{1,2}

Gastric Balloons before Bariatric Surgery

New Swallowable Intragastric Balloon: Elipse

No Need for Anesthesia /Sedation and Endoscopy



**Aprepitant / Netupitant
Granisetron / Palonsetron**

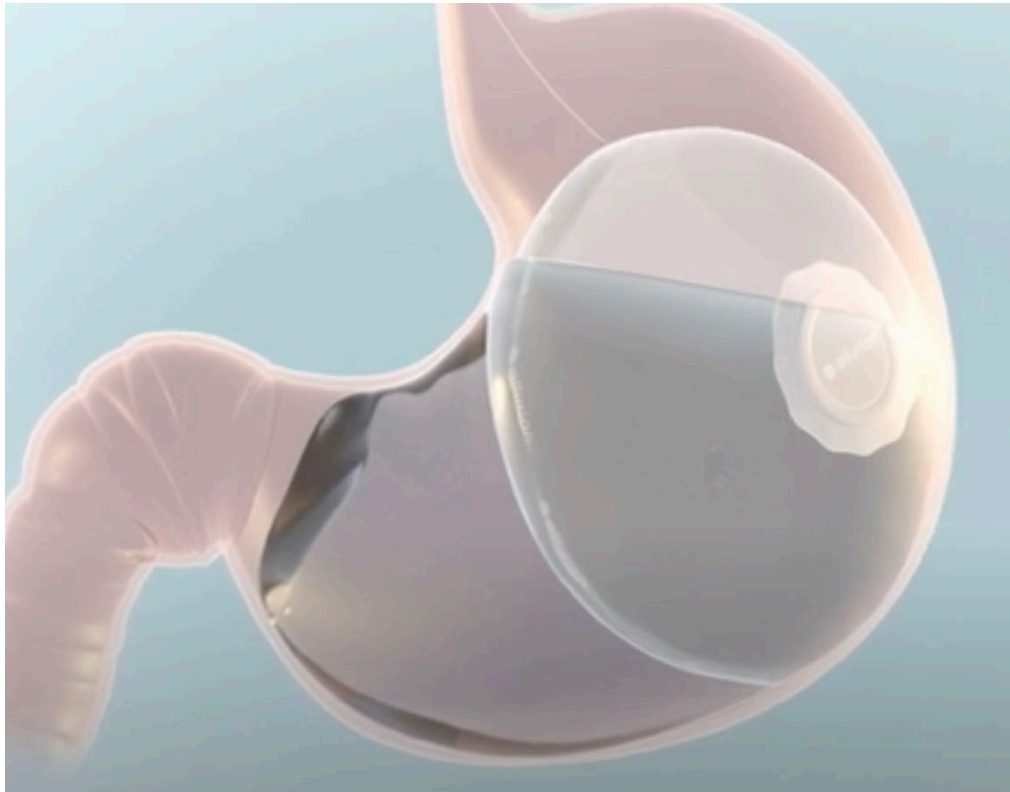
OUTPATIENT SETTING

35.000 implants

Gastric Balloons before Bariatric Surgery

Eclipse Programme

Health Care Team - Smart Scale - App



After approximately 16 weeks , a time-activated release valve will open, allowing the balloon to empty and pass naturally through the gastrointestinal tract

EXCLUSION CRITERIA

- **Difficulty swallowing**
- Large hiatal hernia
- Active ulcer in the stomach or duodenum
- Previous surgery of the stomach
- Inflammatory bowel disease
- Variceal disease
- Alcoholic disease or drug abuse
- Psychiatric disease
- Pregnancy
- Use of anti-coagulants or anti-inflammatory drugs
- Cardiovascular, pulmonary or cerebrovascular disease
- **Condition that predispose to bowel obstruction**

Gastric Balloons before Bariatric Surgery

Elipse RESULTS % TBWL

s11695-020-04539-8

ORIGINAL CONTRIBUTIONS

IFSO

Check for updates

Obesity Surgery
<https://doi.org/10.1007/s11695-020-04522-3>

ORIGINAL CONTRIBUTIONS

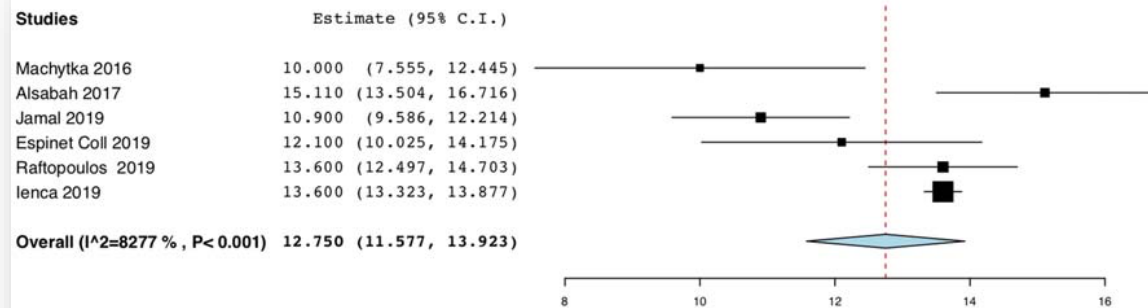
IFSO

Check for updates

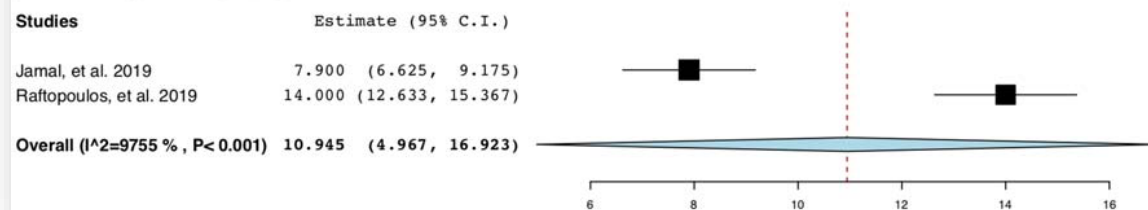
The Efficacy and Safety of a Procedureless Gastric Balloon for Weight Loss: a Systematic Review and Meta-Analysis

Kompong Vantanasiri¹ · Reem Matar² · Azizullah Beran² · Veeravich Jaruvongvanich²

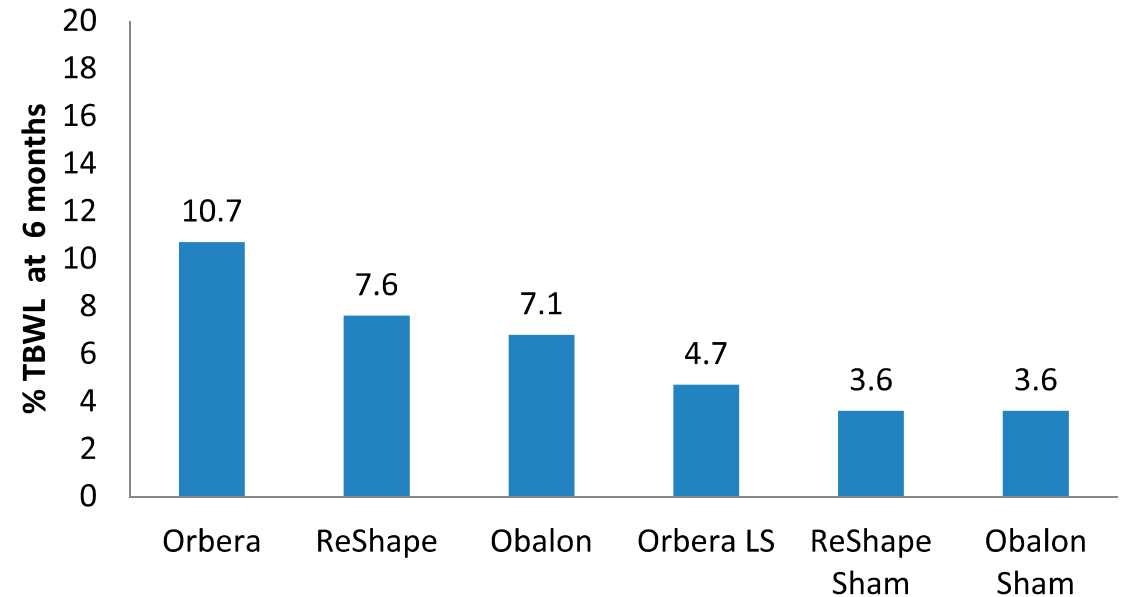
%TBWL after treatment



%TBWL at 12 months



Intragastric Balloons - Results from Pivotal RCTs

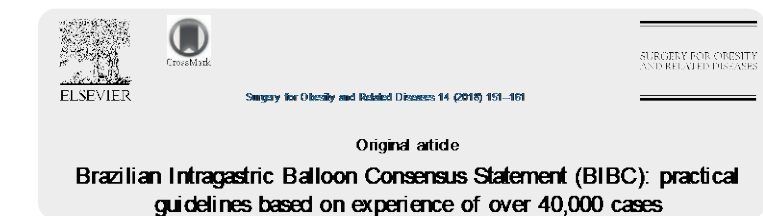
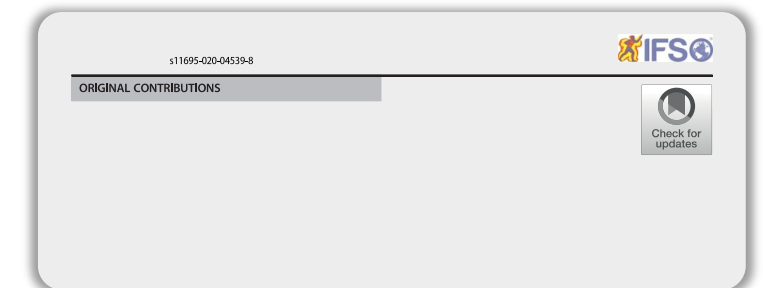
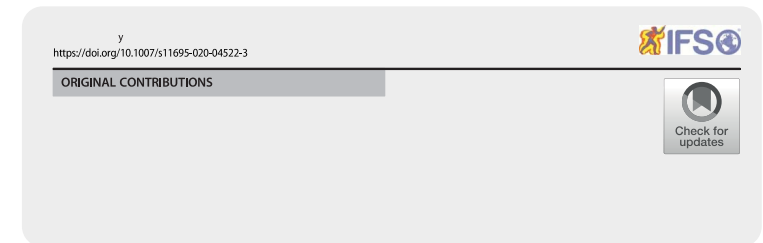


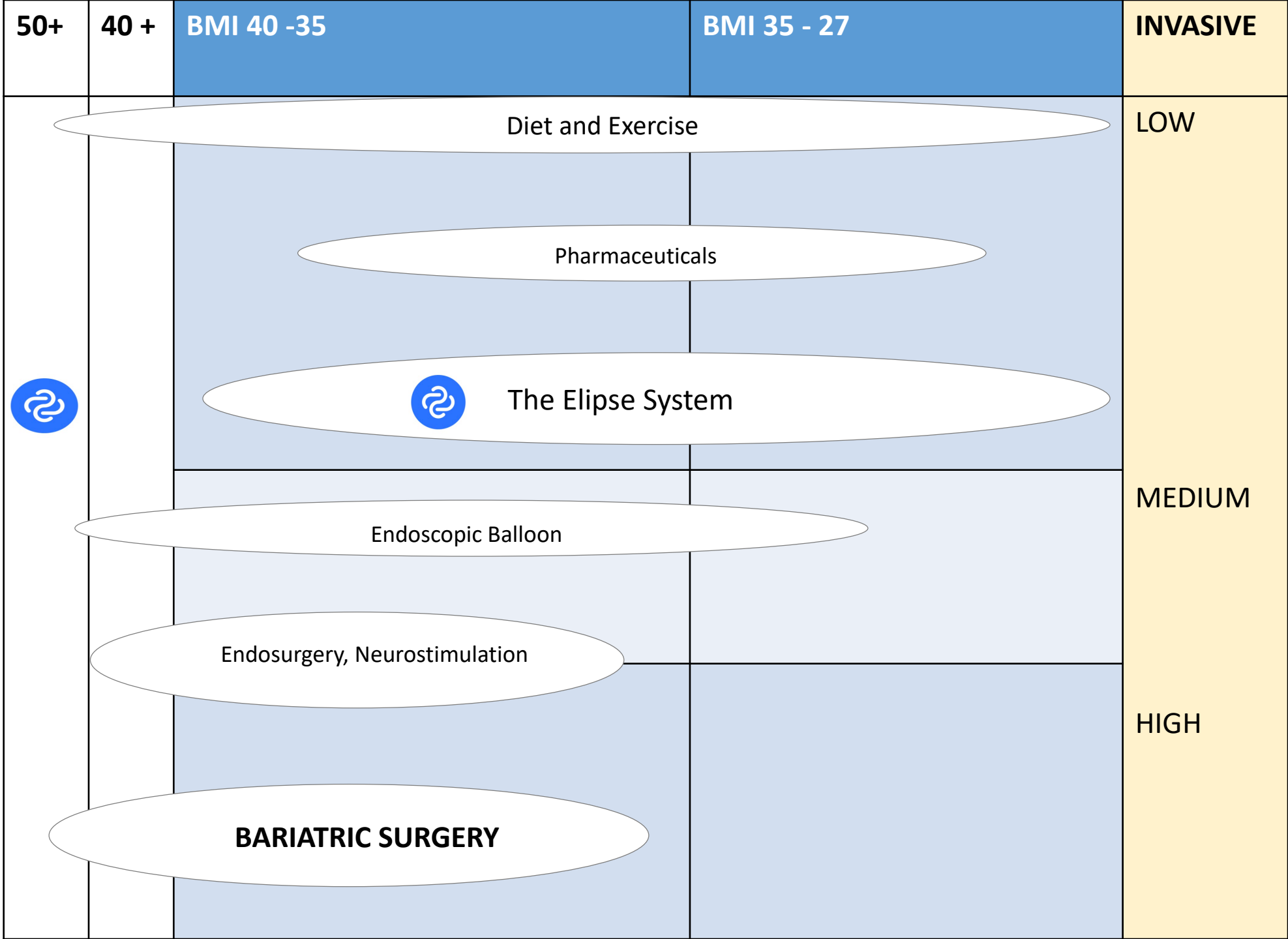
F Bazerbachi et al, Am J Gastroenterol 2019

Gastric Balloons before Bariatric Surgery

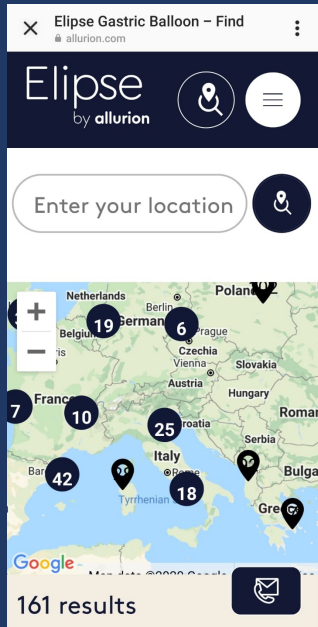
Elipse COMPLICATIONS

Adverse Events	Elipse %	Others %
Premature deflation	0.50	0.90
Intolerance leading to early balloon removal	0.30	2.2
Small bowel obstruction	0.15	0.8
Hyperinflation	0.07	0.5
Gastric Perforation	0.03	0.2
Perforation during endoscopy		0.40
Incomplete device emptying	0.03	
Pancreatitis	0.01	
Death	0	0.03





Gastric Balloons before Bariatric Surgery



CONCLUSIONS

- **Elipse can be used before bariatric surgery when attempts at medical weight loss management have failed**
- **Despite its simplicity and low invasiveness a multidisciplinary approach is mandatory for patients' selection and prompt detection of complications that should be managed in an appropriate setting only by an expert bariatric team**
- **it is not covered by the national health system**

