

# LAPAROSCOPIC IMPLANTATION OF THE COUSIN BIORING: A 28-MONTH STUDY

Erik Niville MD, Department of Abdominal Surgery, Ziekenhuis Oost-Limburg, Genk - Belgium.



## Introduction

### CHARACTERISTICS OF BIORING:

- designed for laparoscopic implantation;
- low-pressure, high-volume band;
- circularly preshaped;
- made of supple silicon;
- easy reopening and reclosing at initial procedure or during revisional surgery;
- choice of access ports.

## Materials and methods

Between March 2003 and July 2005 (28 months):  
**165 patients**

- patients characteristics:
  1. male/female: 43/122;
  2. ages: 18-66 years (mean 40);
  3. weights: 88-190 kg (mean 117);
  4. BMI: 34-59 (mean 42.5);
- all pars flaccida route;
- adjustments started from 3<sup>th</sup> week;
- follow-up is complete for 163 patients.

## Results

All procedures started and finished laparoscopically.  
No intraoperative complications.

Postoperative complications:

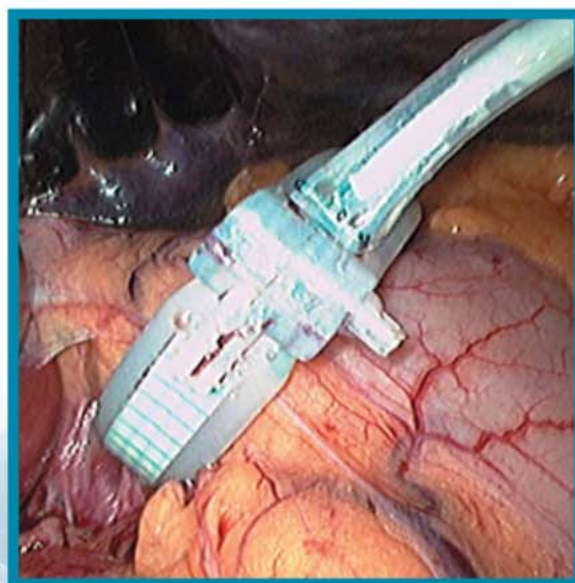
- two mild and transient early dysphagias.

Late complications requiring surgery:

- 1 leak of tubing caused by puncturing it during adjustment.
- 1 late pouch dilatation → laparoscopic repositioning of band.

Weight evolution:

MONTHS POSTOPERATION	N° PATIENTS	% LEBW
3	148	23
6	133	35
12	97	48
18	60	53
24	13	58
28	3	58



## Conclusion

Overall results are comparable to those reported in better series with other bands. We noticed a sharp drop in the number of early dysphagias compared to formerly used bands. This is attributable to the ease of opening and reclosing the ring. If the constriction is judged as too tight, the surgeon will not be reluctant to open the band and incise or remove some pericardial fat.