

Obesity Surgery



**“The adjustable gastric band,
another gold standard for
obesity surgery”**

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***II Corso Residenziale Nazionale per
Specializzandi in Chirurgia.***



GOAL of Obesity Surgery

- Improve Health
- Improve Quality of Life
- Increase Lifespan
- Not Cosmetic—this is only a side effect



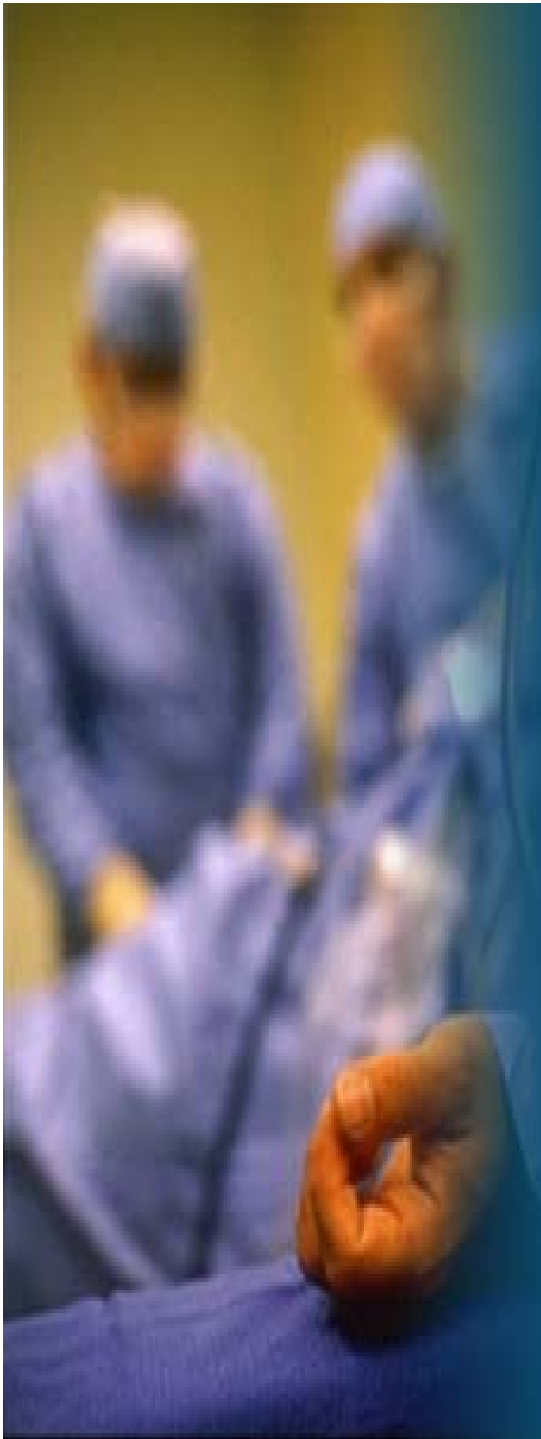
Attributes of Ideal Bariatric Operation

- **Less invasive surgical option**
- **Safe.**
- **Effective - weight, co-morbidities, quality of life.**
- **Effective over time.**
- **Low complication rate.**
- **Minimal side effects.**
- **Easily reproducible.**
- **Adjustable and Reversible.**

The adjustable gastric band

Advantages

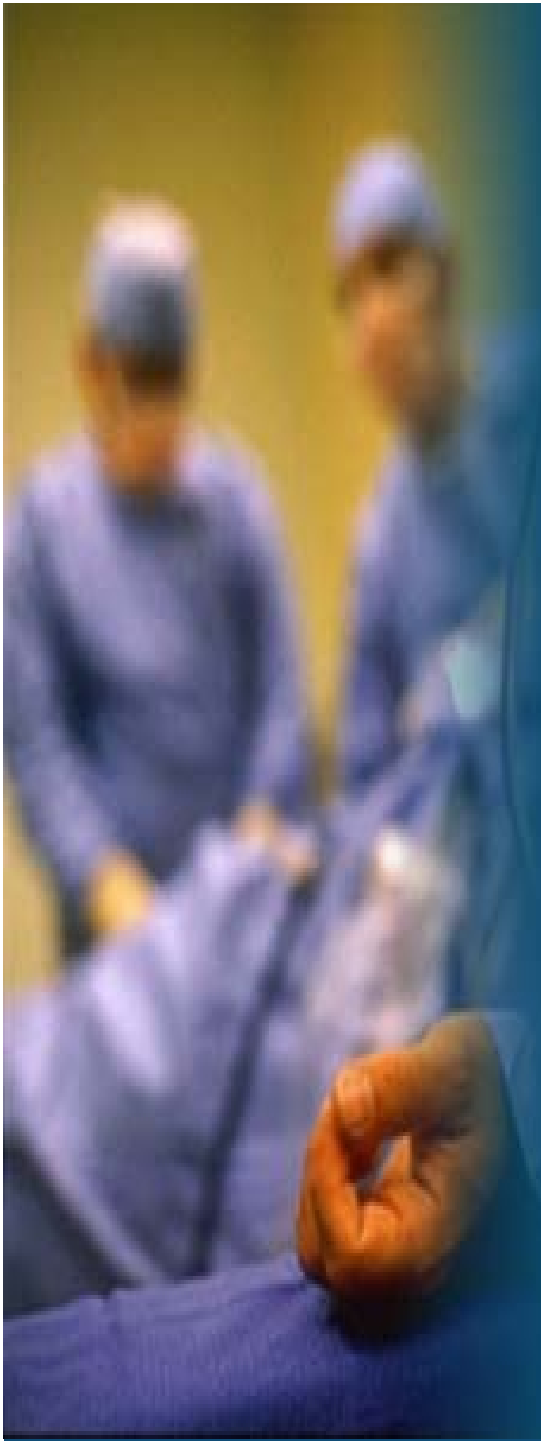
- 10x safer than Gastric Bypass.
- Adjustable – customized per patient.
- No stomach stapling, cutting or intestinal anastomoses.
- Reversible.
- Lowest operative complication rate – no leaks.
- Low malnutrition risk.
- Satiety-inducing procedure.
- OR time = 1 hour or less.
- Overnight hospital stay in most cases.



The adjustable gastric band

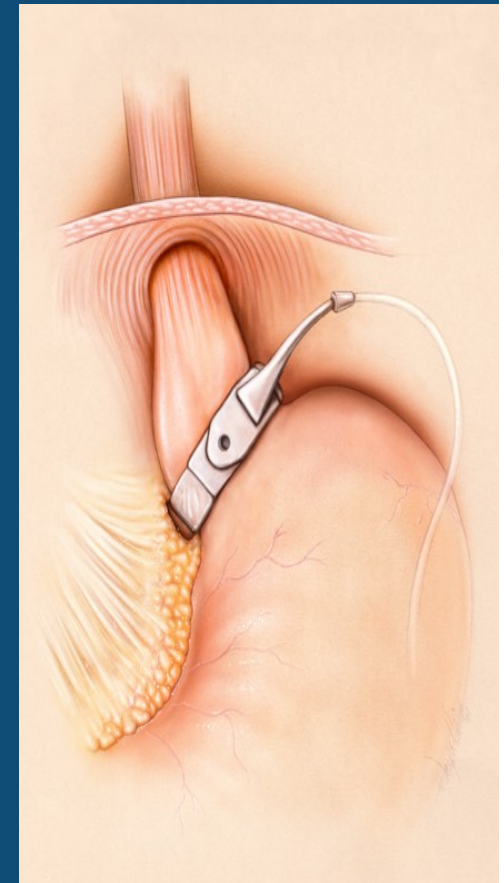
Disadvantages

- Implant.
- Lack of long-term data.
- Some dietary restrictions.
- Close follow-up required.



The adjustable gastric band

- Silicone band is used.
- Placed around the upper part of the stomach
- A small pouch is created
- Reduced gastric capacity
- Induces feeling of satiety



See intervention

The adjustable gastric band

Adjusting the band / The Key to Success

- *Reservoir is placed on anterior rectus sheath*
- *Filled with saline solution*
- *Adjust as necessary for gradual and steady weight loss*
- *Often 5-6 inflations in the first year*
- *Office procedure, but more frequently needs radiology*



Unfilled Band



Filled Band



Mortality - Morbidity

- Mortality < 0.1 %
(DVT and PTE related).

-Gastric slippage.

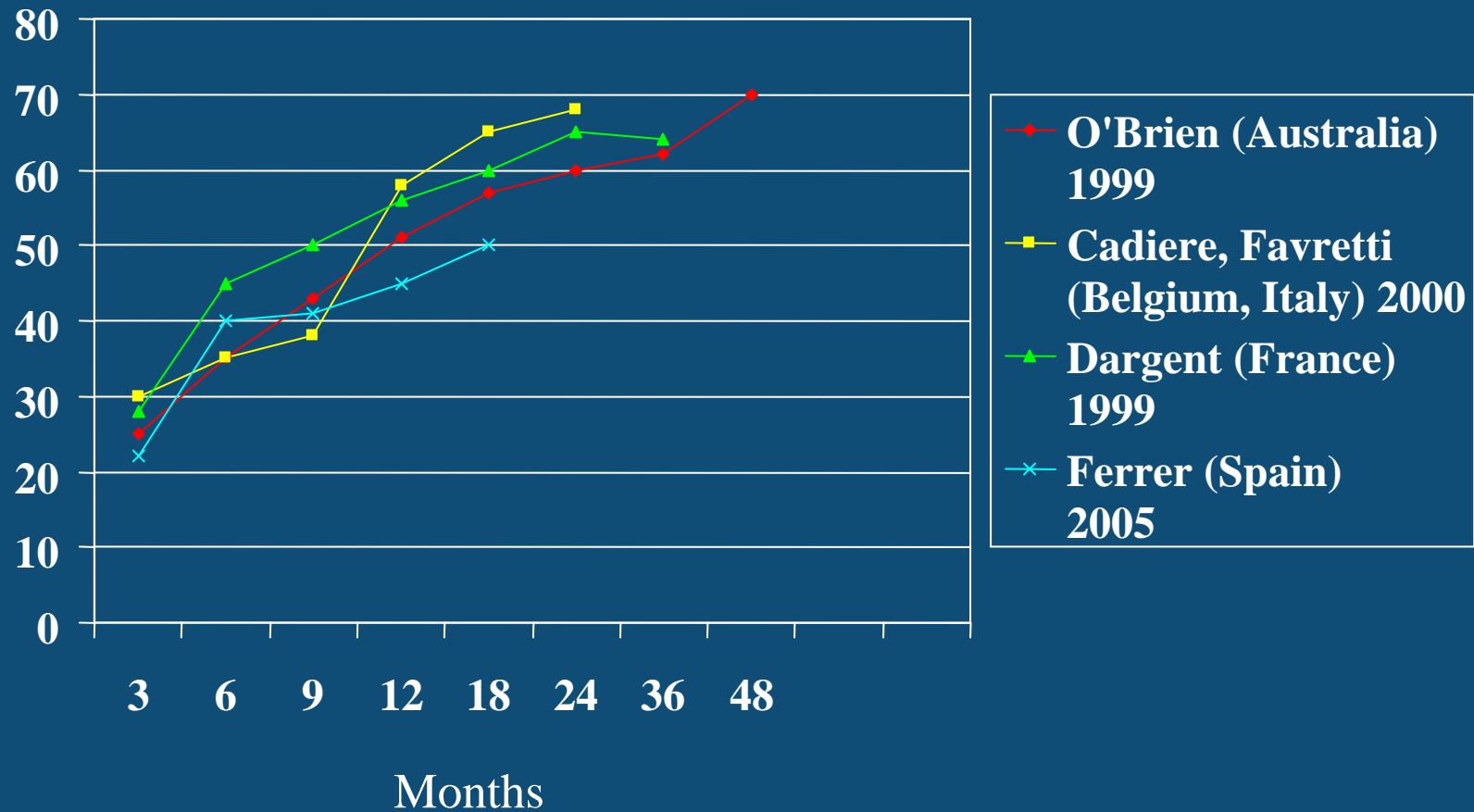
-Gastric erosion (migration)

- Excessive weight loss.

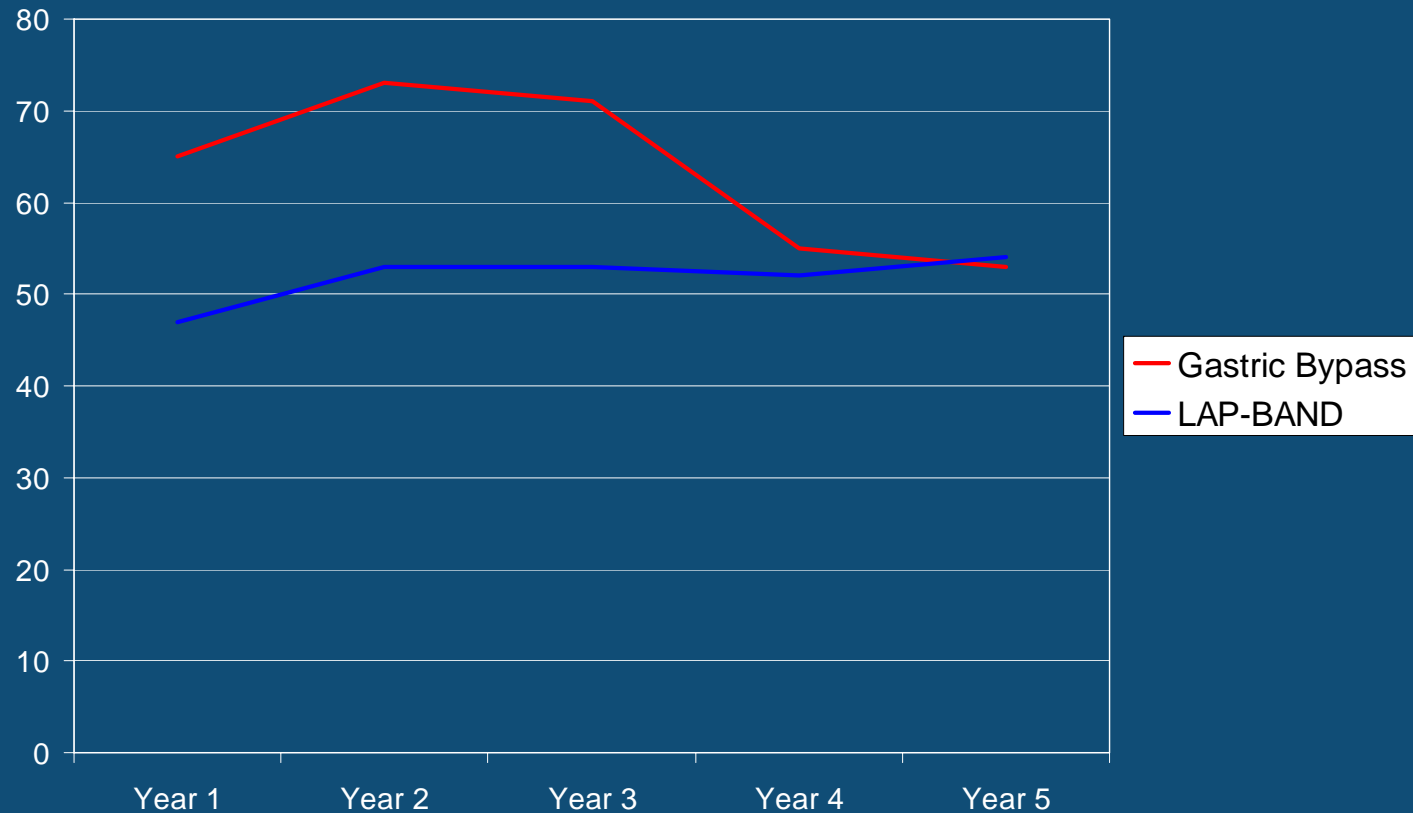
- Some patients experience
intolerance.

LAP-BAND Clinical Results

% EWL



Gastric Bypass vs. “Adjustable Gastric Band” Long-Term Weight Loss



1- Freeman J., et al. *Obesity Surgery*, 7, 1997, 337-344;

2- O'Brien, et. al. *Obesity Surgery*, 12, 2002, 652-660.

3- Chapman, et. al. ***Surgery***, 2, 2004..

4- Patterson et al. ***J Gastrointest Surg***, 01, 2005



Conclusions

- Surgery is the only effective procedure for long-term weight loss for morbid obese patients.
- The “**adjustable gastric band**” is safe, gentle, effective, patient-tailored, and if needed, really reversible.
- The “**adjustable gastric band**” should be considered as the best option for appropriately selected patients.

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