



2 year comparative results in 100 consecutive cases of 3 types of adjustable gastric bands implanted after the learning curve in a single center.

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BACKGROUND: The Adjustable Gastric Band (AGB) is one of the approved options in terms of bariatric surgery which is less invasive with lower mortality rate. At least 5 models of AGB are in the market each one with its own characteristics. The most known are the LapBand® (FDA and CE approval), SAGB® (CE approval, on FDA trial), Midband®, Heliogast® and Softband® (CE approval) bands. Since December of 1999, our group had implanted more than 1000 SAGB®, Heliogast® and Midband® bands (most of them SAGB®). **AIM:** Retrospectively compare those 3 AGB in 100 consecutive cases after 50 initial cases with each of the bands. **Method:** In the period of November of 2001 and September of 2002, the 100 consecutive cases of SAGB®, Heliogast® and Midband® (after discharging the first 50 cases) had their files reviewed in order to raise data about casuistic, operative time, intra-operative complications, hospital discharge, complications, mortality and revisional procedures. **Results:** there were no significant difference between gender, age, weight, initial weight and BMI, operative time intra-op complications and hospital discharge. There was a zero mortality rate. Difference occur among late complications like slippage on SAGB® (0%), Heliogast® (3%) and Midband® (24%) and band intragastric migration on SAGB® (1%), Heliogast® (1%) and Midband® (0%). No port complications was related and revisional procedures goes to SAGB® (3%), Heliogast® (6%) and Midband® (26%). Without significant difference, between bands the initial BMI came from 45,2 to 30,1. **Conclusion:** Among the AGB analyzed on this paper, the Midband® presents a significant higher rate of slippage who led to a high rate of revisional surgery.