

IFSO 2023

ENDOSCOPIC SUTURING TO MANAGE POST SLEEVE GASTRECTOMY WEIGHT RECURRENCE

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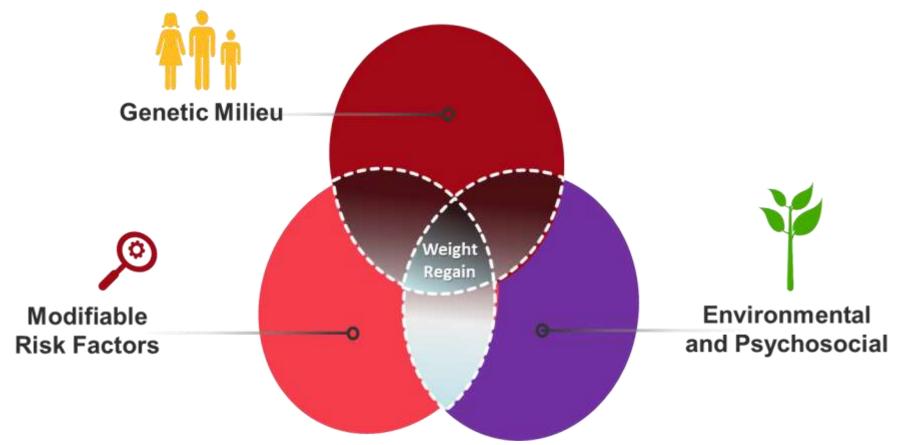
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DISCLOSURES

- Consultant: Boston Scientific, Metamodix, BFKW, Apollo Endosurgery, Medtronic, Endogenex
- Cofounder: Endogenex
- Research Support: Apollo Endosurgery, USGI, Endogastric Solutions, Boston Scientific, Medtronic, Spatz, Cairn.
- Speaker: Johnson & Johnson, Olympus, Endogastric Solutions

What Happens?



How does the Sleeve Gastrectomy Work? New Insights

Changes in Time of Gastric Emptying After Surgical and Endoscopic Bariatrics and Weight Loss: A Systematic Review and Meta-Analysis

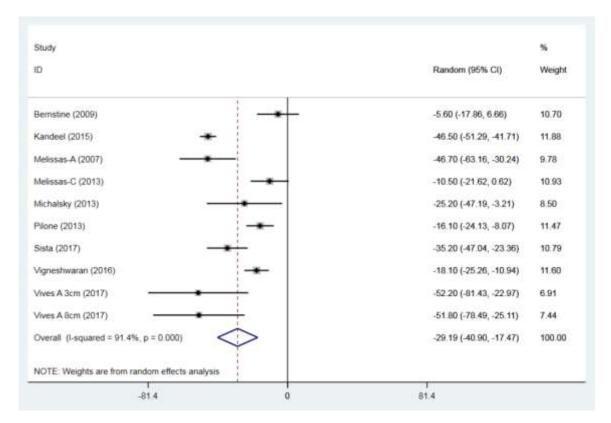


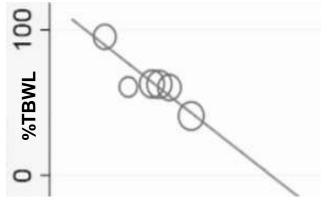
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Eric J Vargas <sup>1</sup>, Fateh Bazerbachi <sup>1</sup>, Gerardo Calderon <sup>1</sup>, Larry J Prokop <sup>2</sup>, Victoria Gomez <sup>3</sup>, M Hassan Murad <sup>4</sup>, Andres Acosta <sup>1</sup>, Michael Camilleri <sup>5</sup>, Barham K Abu Dayyeh <sup>6</sup>
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Affiliations + expand

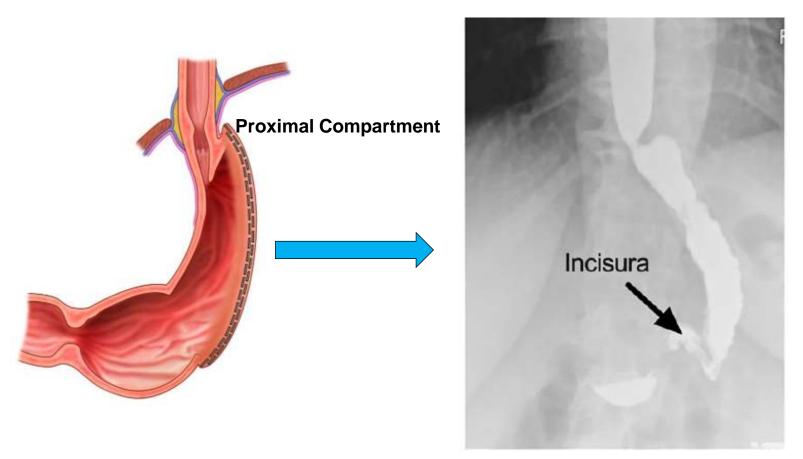
PMID: 30954712 PMCID: PMC6776718 DOI: 10.1016/j.cgh.2019.03.047

How does the Sleeve Gastrectomy Work? Accelerates Gastric Emptying

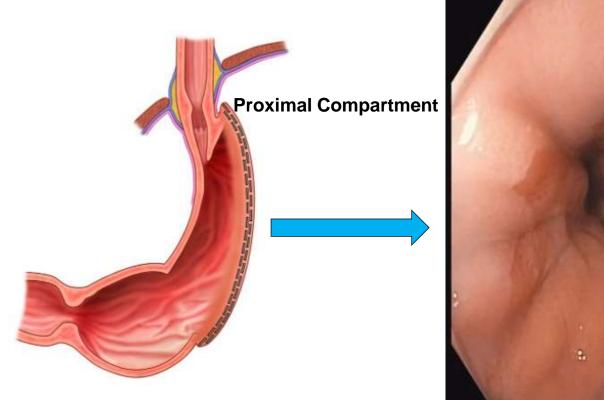




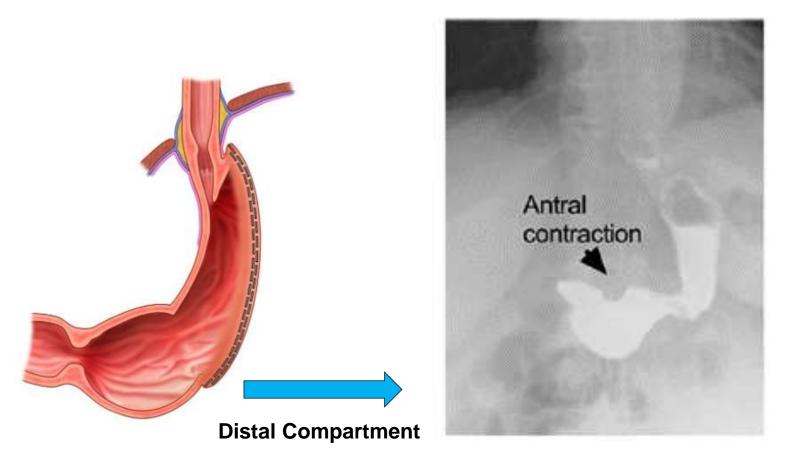
T1/2 (min)



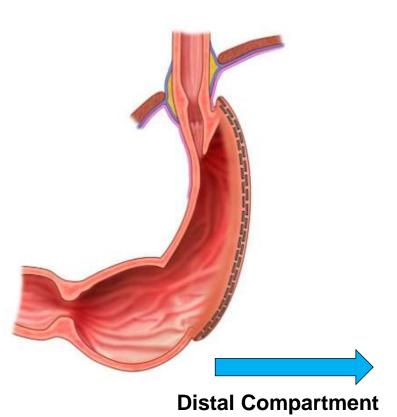
Johari et al. Obesity Surgery 2021; 31:725-737

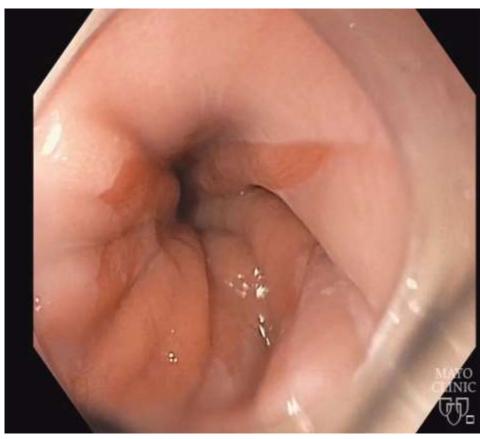






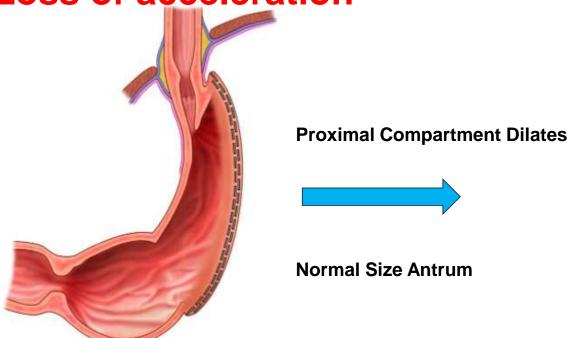
Johari et al. Obesity Surgery 2021; 31:725-737

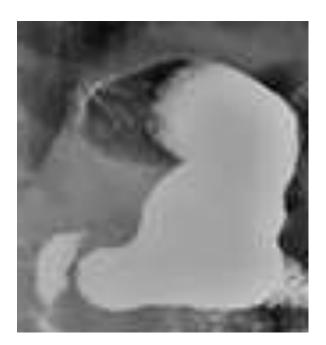




Phenotype 1 for Weight Recurrence:

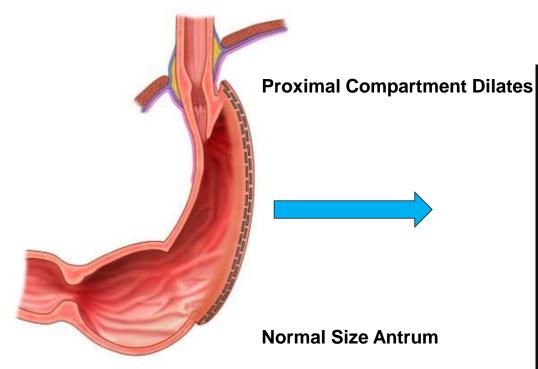
Loss of acceleration





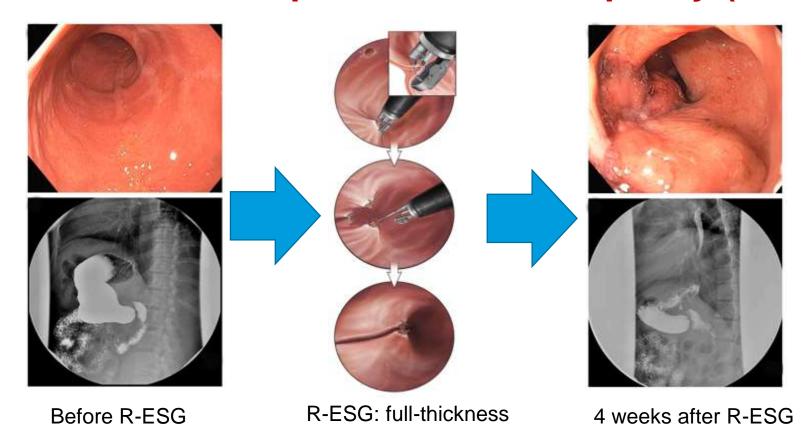
Phenotype 1 for Weight Recurrence

Loss of acceleration



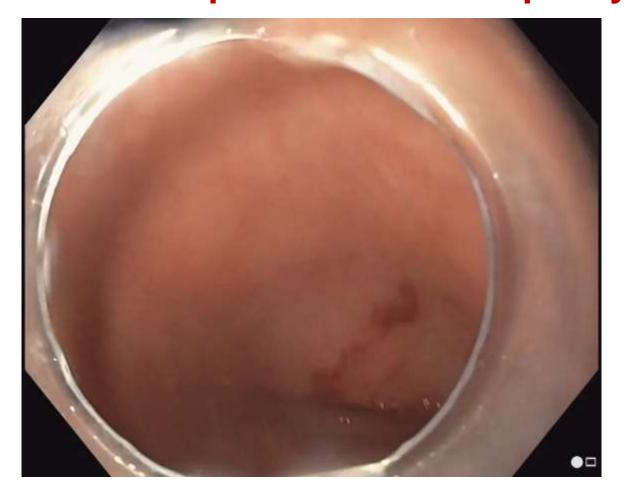


Revisional Endoscopic Sleeve Gastroplasty (R-ESG)

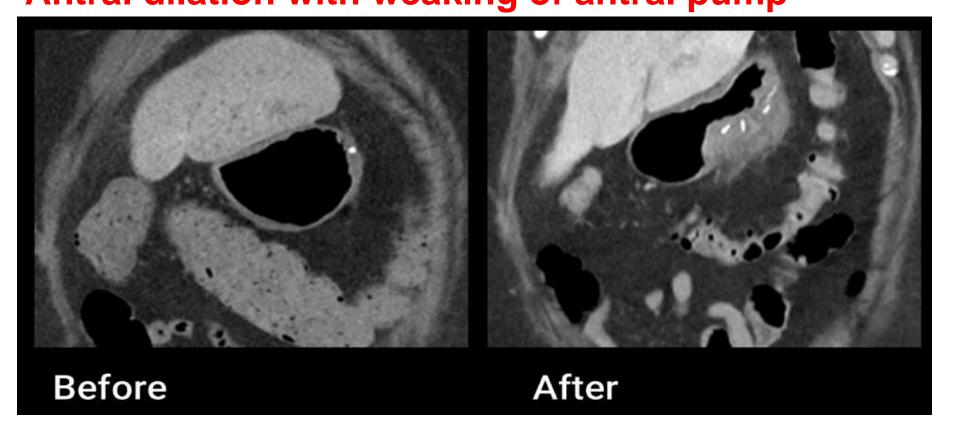


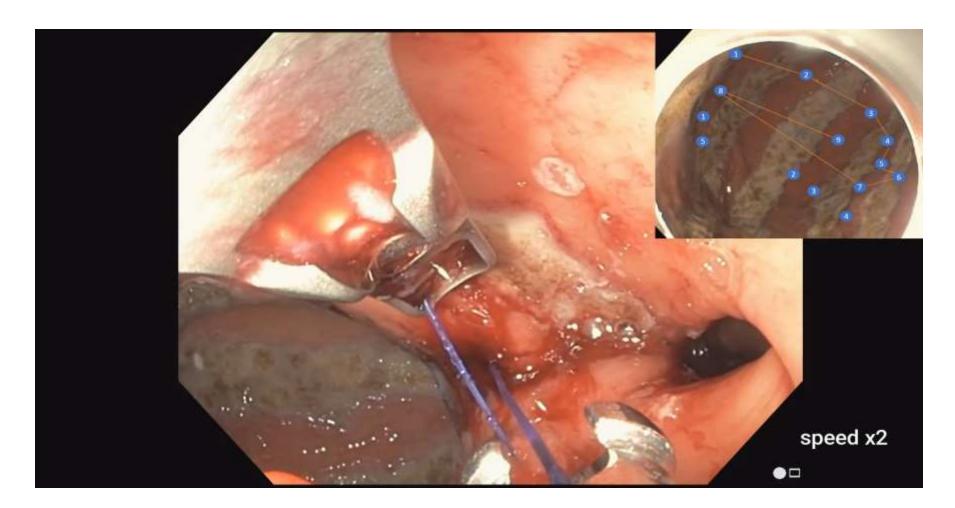
endoscopic suturing

Revisional Endoscopic Sleeve Gastroplasty (R-ESG)



Phenotype 2 for Weight Recurrence: Antral dilation with weaking of antral pump





Revisional endoscopic sleeve gastroplasty of laparoscopic sleeve gastrectomy: an international, multicenter study



Daniel B Maselli ¹, Aayed R Alqahtani ², Barham K Abu Dayyeh ¹, Mohamed Elahmedi ², Andrew C Storm ¹, Reem Matar ¹, Jose Nieto ³, Andre Teixeira ⁴, Maryam Al Khatry ⁵, Manoel Galvao Neto ⁶, Vivek Kumbhari ⁷, Eric J Vargas ¹, Veeravich Jaruvongvanich ¹, Manpreet S Mundi ⁸, Ameya Deshmukh ³, Mohamad I Itani ⁷, Jad Farha ⁷,

Christopher G Chapman ⁹, Reem Sharaiha ¹⁰

Conclusions

- 1- Not all weight recurrence after LSG is the same
- 2- Think before choosing the best approach
- 3- Utilize endoscopic revision if one of three Phenotypes
- Proximal dilation accelerate emptying with R-ESG
- Antral dilation delay emptying with R-ESG
- Mixed R-ESG proximally and distally restriction
- 4- Normal LSG or failed endoscopy RYGB

QUESTIONS



