

Pouch revision in combination with Minimizer placement as a revisional procedure in patients with insufficient weight loss/weight recurrence post-RYGB (REPOBA)

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Research Team:

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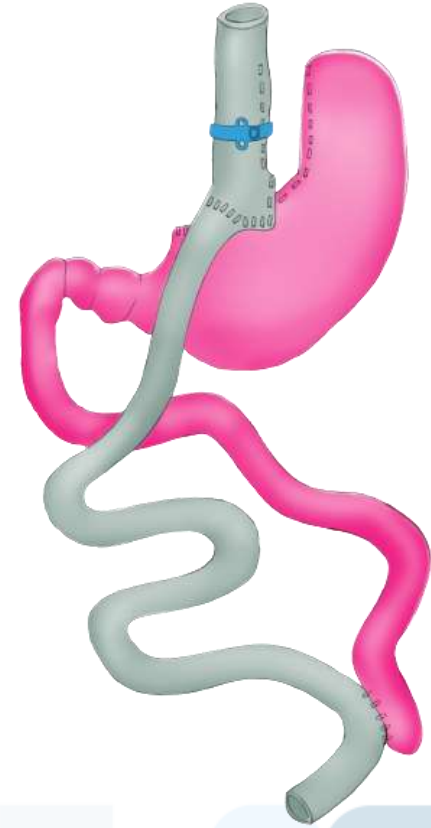


Conflict of interest disclosure

- No potential conflict of interest to report

Background

- 35% of patients encounter IWL or WR post-RYGB ⁽¹⁾
- Anatomical alterations play a significant role ⁽²⁾
 - Loss of restriction due to several factors
- Revisional surgery at Zuyderland MC
 - Pouch resizing
 - Non-adjustable band: minimizer placement



1. Kraljević, OBES SURG (2020)

2. Karmali, OBES SURG (2013)

Objectives

Primary

- Weight change 2 years post revisional surgery

Secondary

- Comorbidity resolution
- Complications



Methods

- Revisional surgery between 01.01.2016-31.12.2021 (6 years)
- 2 year follow up Dutch Obesity Clinic South
- Subgroups were made based upon response to primary RYGB-surgery
 - Superior responders = $TWL \geq 35\%$
 - Inferior responders = $TWL < 35\%$

Patient population

Descriptives	
Number of patients	36
Indication revisional surgery	Weight recurrence 91.7% Insufficient weightloss 2.8% Both 5.6%
Gender	80.6% female, 19.4% male
Mean age at revision	49 years [23-63]
Mean BMI at revision screening	39.37 [27.90-56.58]

Results: Total Weight Loss

Post RYGB		TWL %	<i>p-value</i>
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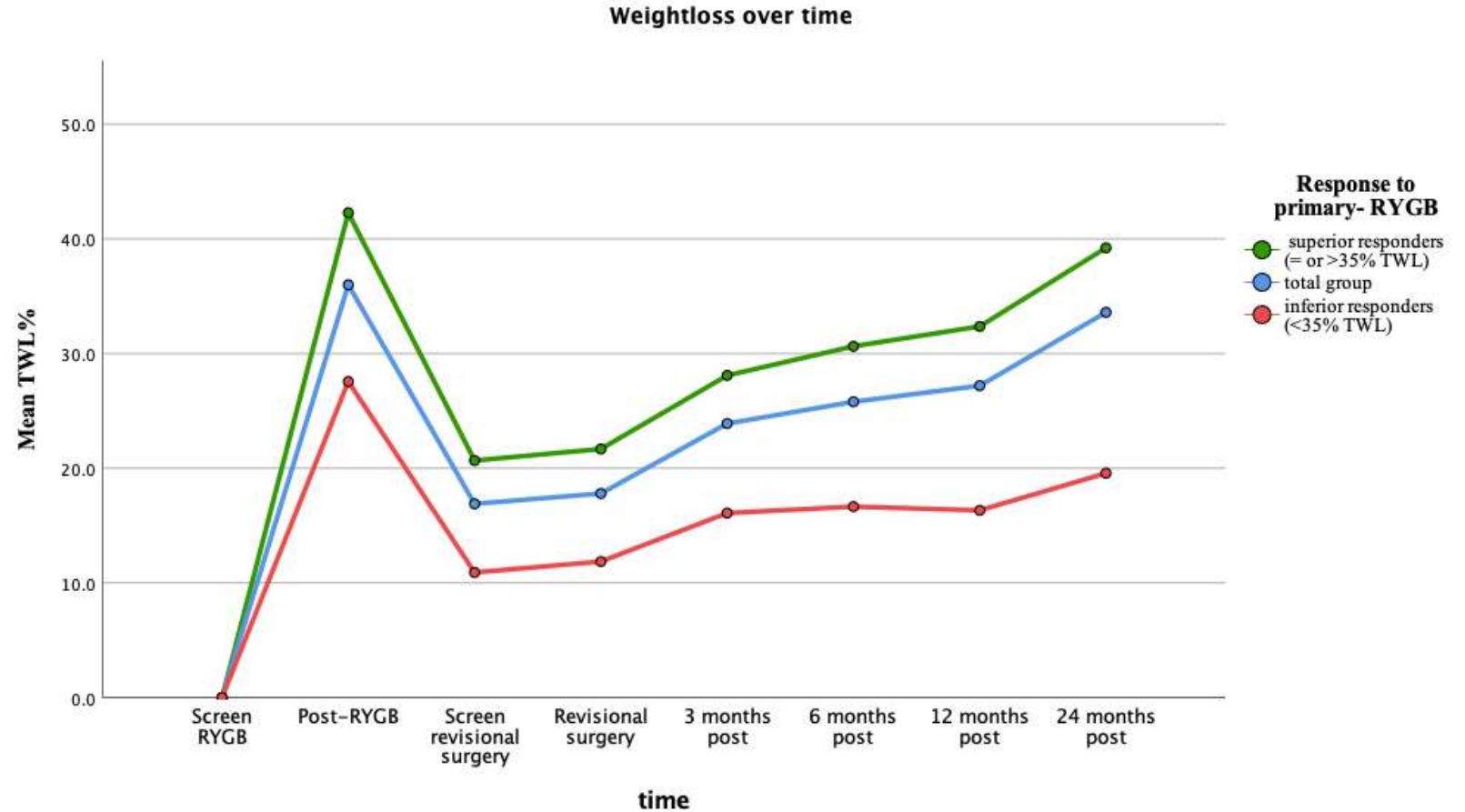
P12 months	Superior	32.4	<0.001
	Inferior	16.3	
	Total	27.2	

P24 months	Superior	39.2	0.002
	Inferior	19.6	
	Total	33.4	

Post revision TWL %		<i>p-value</i>
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P12 months	Superior	14.8	0.262
	Inferior	9.0	
	Total	12.9	

P24 months	Superior	19.5	0.014
	Inferior	6.7	
	Total	15.9	



Results: Comorbidities

	Screening revision	Remission Post-Revision
Hypertension	9/34	2/3 (66%) + 1 ^a
DM	2/34	0/0 (-)
Dyslipidemia	5/33 ^b	0/2 (0%)
OSAS	2/34	0/1 (0%)

^a1 de novo diagnosis of hypertension

^bdyslipidemia missing for an extra patient (total = 3 missing) at screen revision

Results: Complications

		Number of complications	Number of patients
Complications	Clavien-Dindo 1	2	2
	<i>Dysphagia without findings on barium swallow</i>	2	
	Clavien-Dindo 2	3	3
	<i>Wound infection</i>	1	
	<i>Subcutaneous infusion</i>	1	
	<i>Urinary tract infection</i>	1	
	Clavien-Dindo 3a	0	0
	Clavien-Dindo 3b	1	1
	<i>Reposition of minimizer due to slippage</i>	1	

Conclusion

- Pouch revision in combination with minimizer placement in IWL/ WR post-RYGB results in significant additional weight loss up to 2 years of follow-up, with a TWL [%] of 33.4 measured from RYGB and 15.9 measured from revision.
- Superior responders post - primary RYGB (TWL \geq 35%) achieve significantly higher TWL[%] at 2 years post - revisional surgery, with 39.2 in superior versus 19.6 in inferior responders post - primary RYGB (TWL<35%).
- A low complication rate was observed.

Questions?

Research team:

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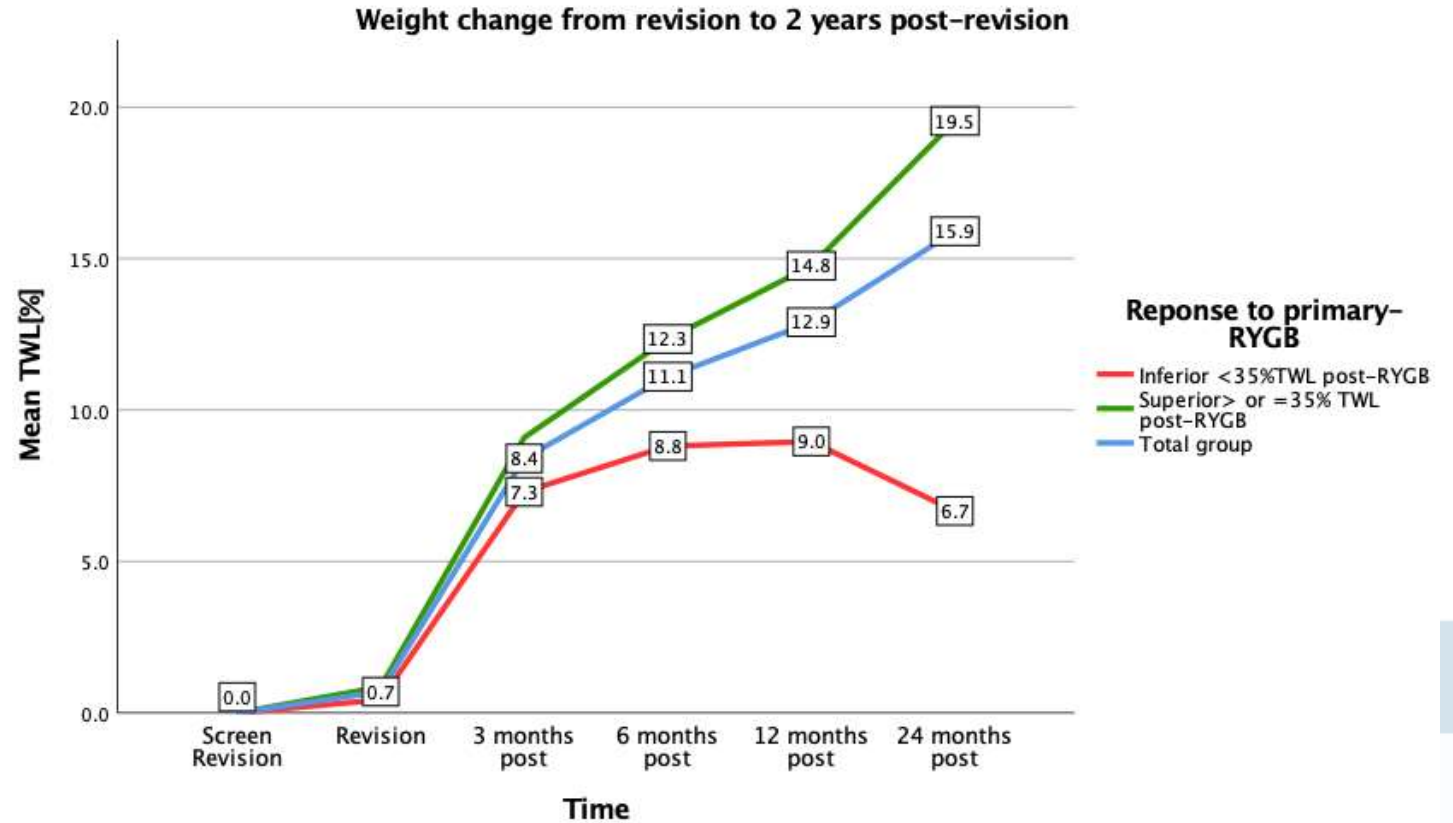
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Results: TWL % from revisional surgery

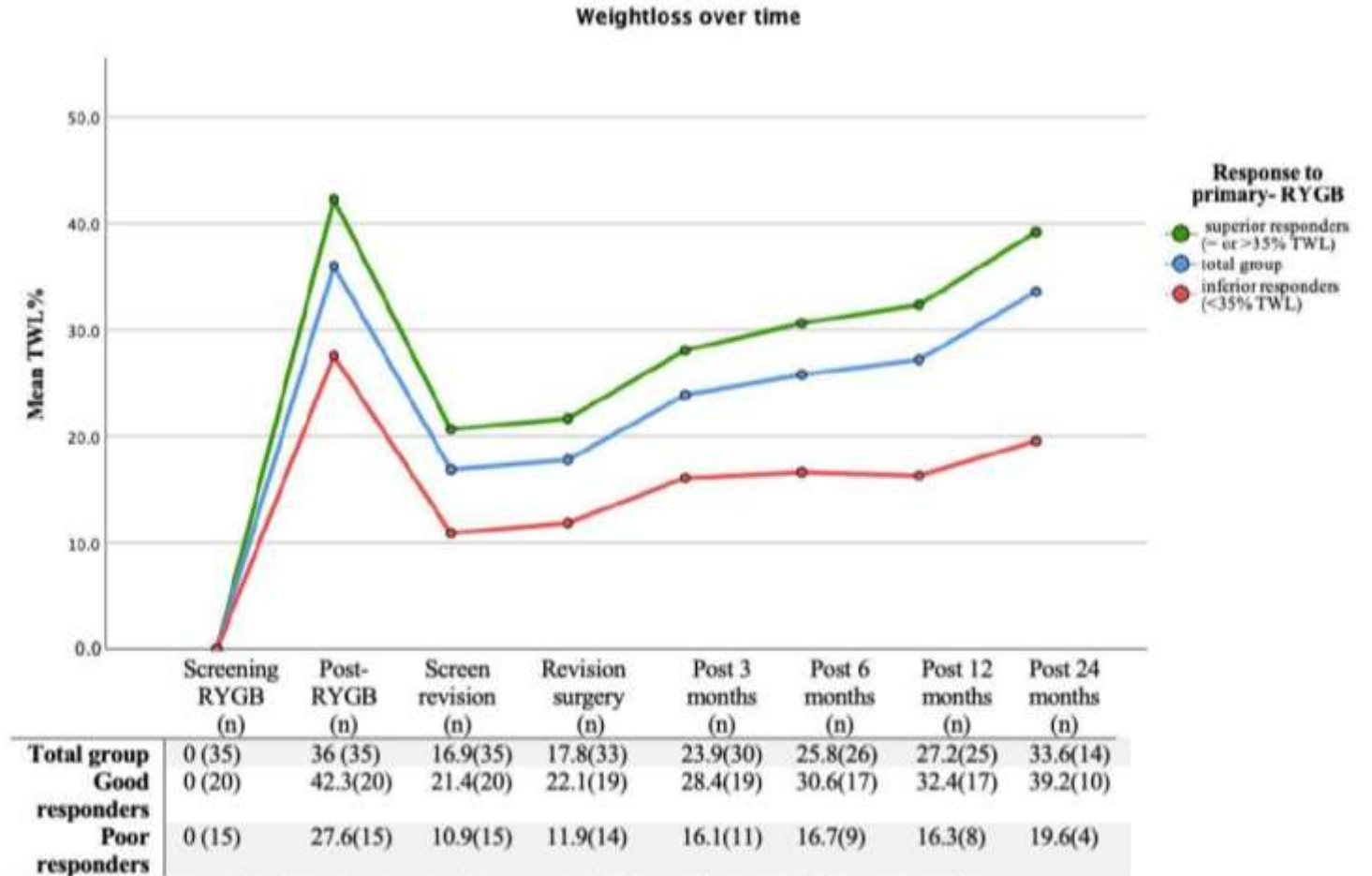
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*1 patient had no post-RYGB measurement so is not present in the total nor in good/ poor responders.