

# Adding a ring to the Roux-en-Y Gastric Bypass - a propensity score matched analysis of 5 year follow up results

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# Background and aim

- Ring-augmented Roux-en-Y Gastric Bypass:
  - Effective for long-term weight loss results
- No studies about specifically designed silicon ring



“To compare results of the ring-augmented RYGB (raRYGB) to the RYGB regarding weight loss, associated medical problems development and ring-related complications at 5 years. “

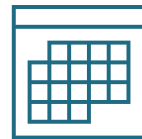
# Method

Zuyderland Medical Center



Consecutive patients

June 2016 – May 2018



raRYGB

VS

Dutch Audit of Treatment of Obesity  
(DATO)

Propensity score matched  
group



Intestinal limb lengths

RYGB



# Results

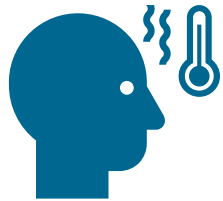
Incidence of weight recurrence			OR (95% CI)	P-value
	RYGB	raRYGB		
N	296	296		
Recurrent weight gain of > 30% from initial weight loss (n, %)	146 (49.3)	90 (30.4)	0.45 (0.32 – 0.64)	< 0.01
Increase of ≥20% from nadir weight (n, %)	123 (41.6)	77 (26.0)	0.50 (0.35 – 0.71)	< 0.01

# Discussion and conclusion



raRYGB resulted in higher weight loss and less recurrent weight gain

Associated medical problems improvement



Complications rates were similar in both groups.

“As recurrent weight gain is difficult to treat, banding the RYGB should be seriously considered in standard practice, since ring-related complications are very limited.”

# Questions?



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