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An Australian perspective on SADI-S/OADS: Excess weight loss and comorbidity improvement

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SADI-S/OADS - An Australian perspective

EXCESS WEIGHT LOSS AND COMORBIDITY IMPROVEMENT

An observational retrospective cohort study Nov 2016 to Aug 2019



Charlene Matthews



Dr Skye Marshall



Dr Jacobus Jordaan



Dr Nova Jordaan



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Disclosures

- Dr J Jordaan and Dr N Jordaan provided surgical/medical services to all participants
- Data extraction and data analysis was done independently by C Matthews and Dr Marshall, respectively
- Speaker for WL Gore, Medtronic

Ethical consideration

- This study was approved by the Bond University Human Research Ethics Committee

Acknowledgements

- We acknowledge Weightloss Solutions Australia for facilitating the presentation and making their premises available for data collation



Jordaan
Surgical

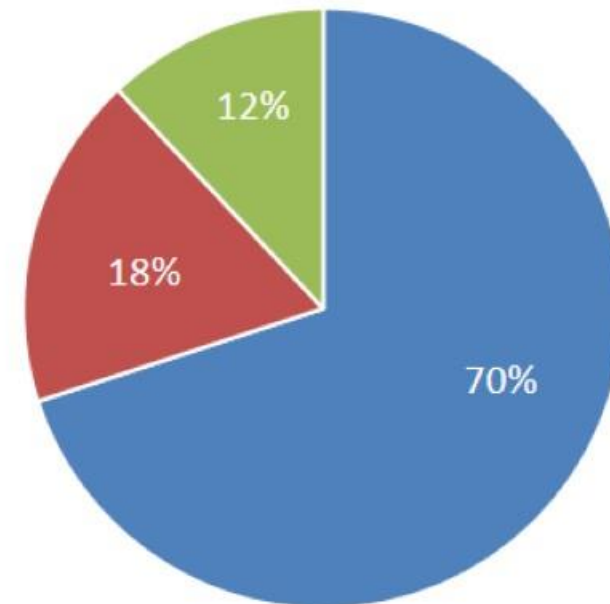
Surgical Technique and Caseload

Pouch: 36 or 40 F ViSiGi
Limb length: 300cm
Anastomosis: Hand sewn, 3/0 V-Loc
+/- division of R gastric artery

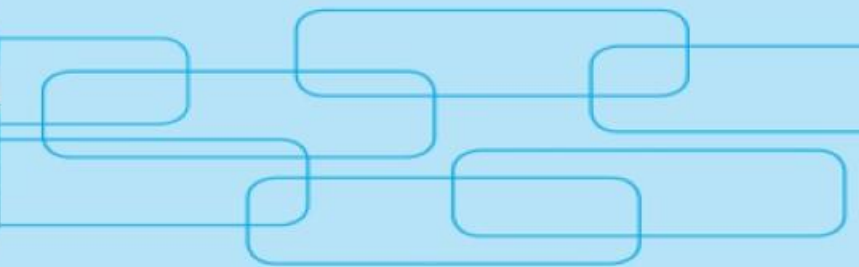


12 months to Aug 2019
447 Bariatric Cases

■ Sleeve gastrectomy ■ Gastric bypass ■ SADI-S/OADS

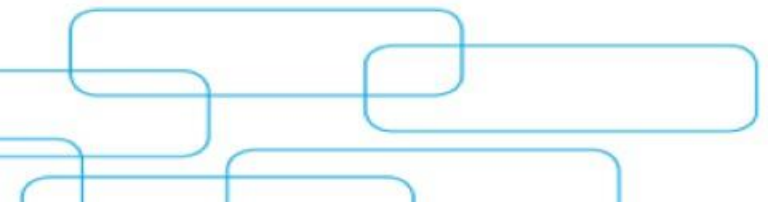


Characteristics



Demographics	
Total SADI-S/OADS patients	N=100
<1 year	n=51
1-2 years	n=27
>2 years	n=22
Mean age at surgery ± SD (years)	44 ± 11y
Gender = Female	75%
Gender = Male	25%

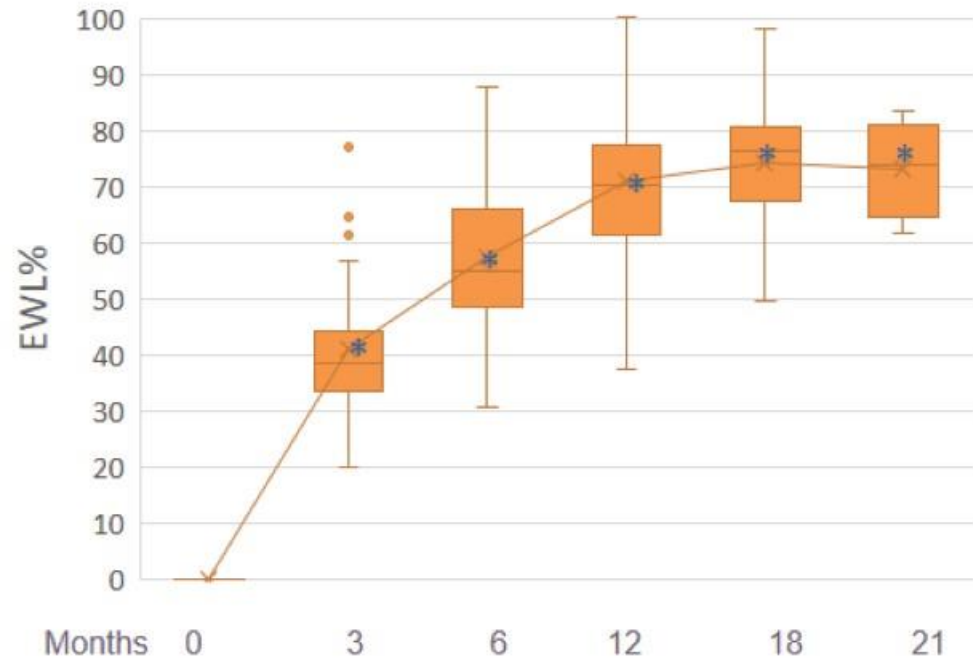
Clinical	
Primary procedure	61%
Super obesity BMI >50	34%
T2DM BMI >43	10%
Other (case by case)	17%
Revisional surgery	39%
2° to sleeve gastrectomy	30%
2° to other procedures	9%



Excess Weight Loss



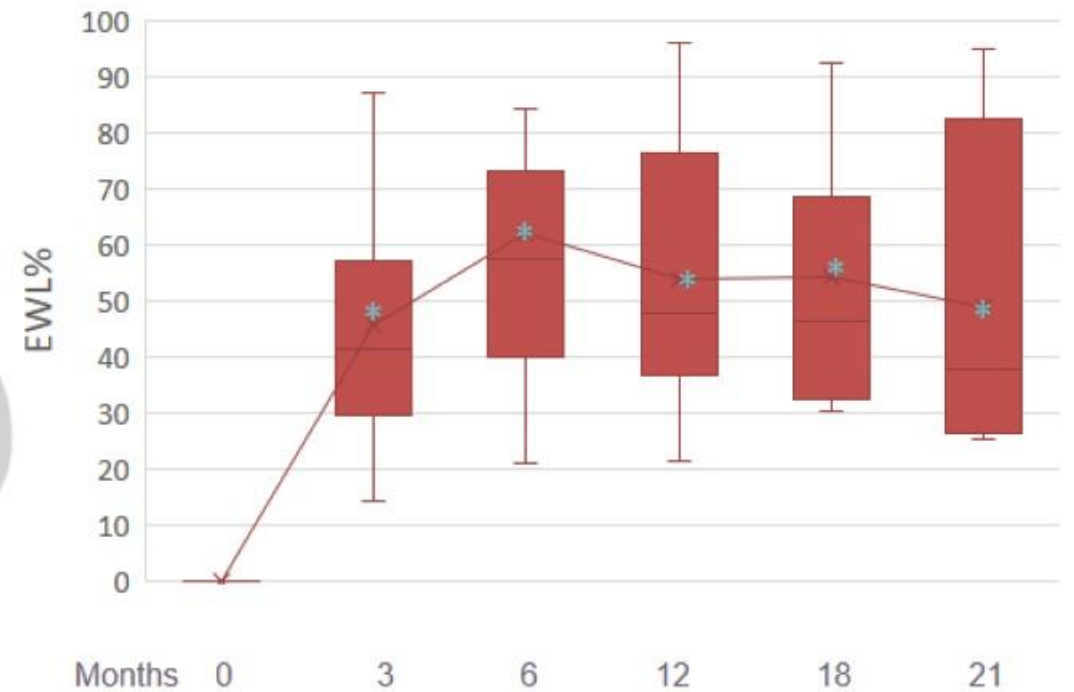
SADI as a Primary Procedure



*P<0.0001 change from pre-op



SADI as a Revisional Procedure

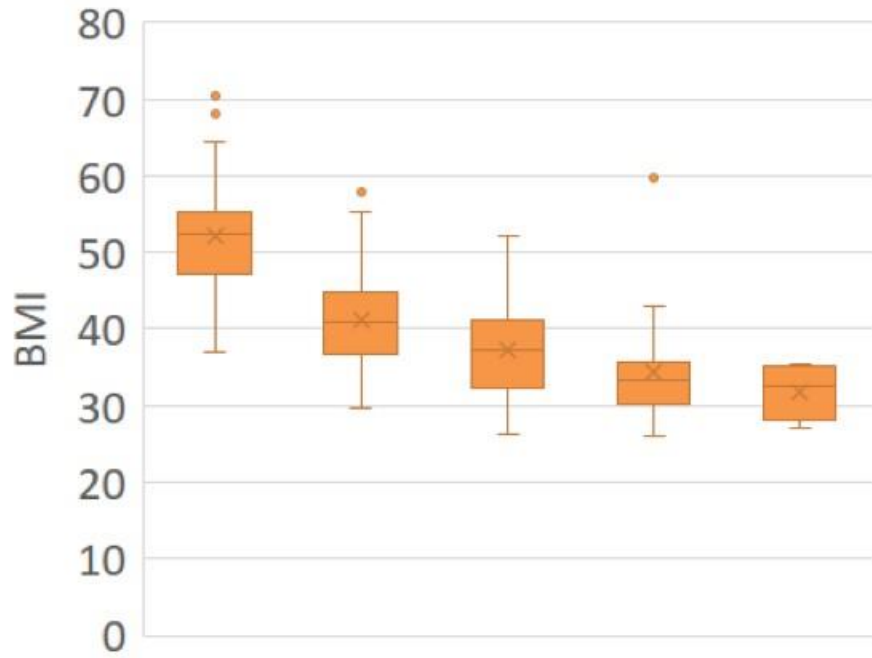


*P<0.0001 change from pre-op

Body Mass Index (BMI)



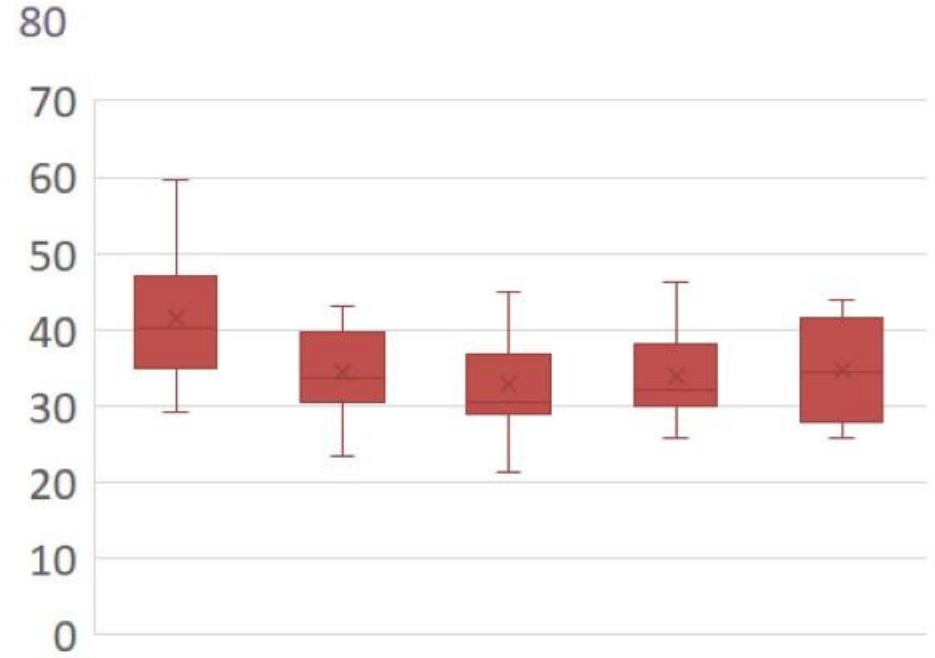
SADI as a Primary Procedure



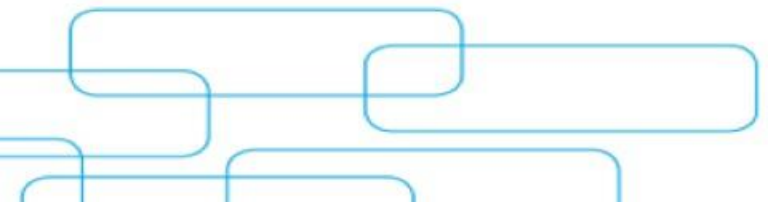
Months	0	3	6	12	21
Mean	52.3	41.2	37.1	34.4	31.9
SD	7.1	6.4	6.4	7.1	3.8



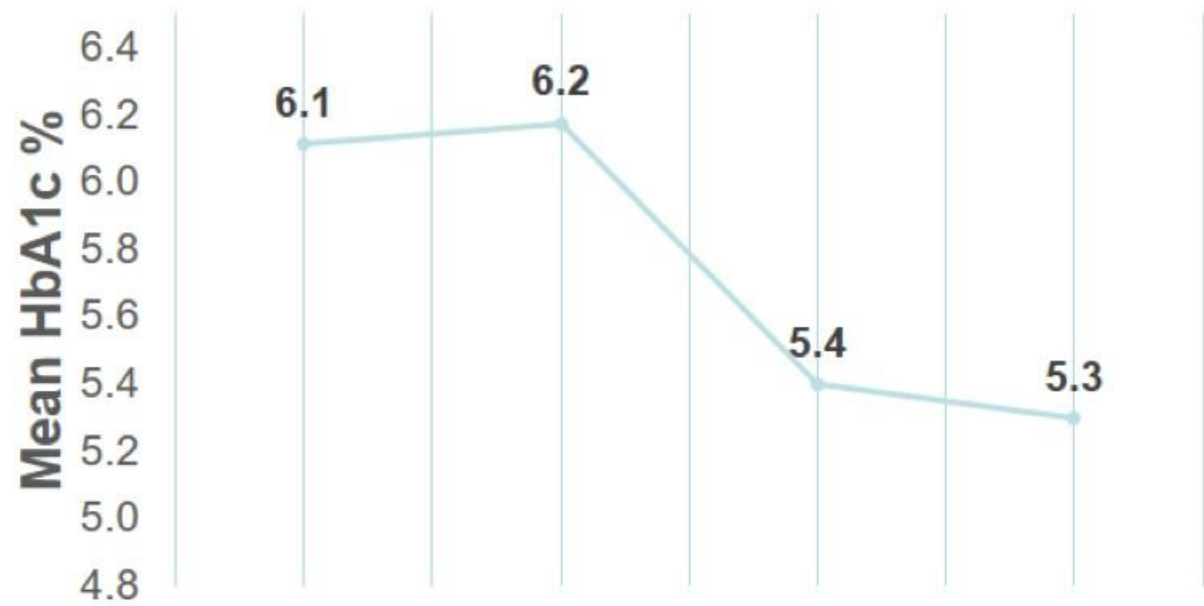
SADI as a Revisional Procedure



Months	0	3	6	12	21
Mean	41.5	34.4	32.7	33.8	34.7
SD	7.1	5.5	5.9	5.9	7.3



T2DM Resolution



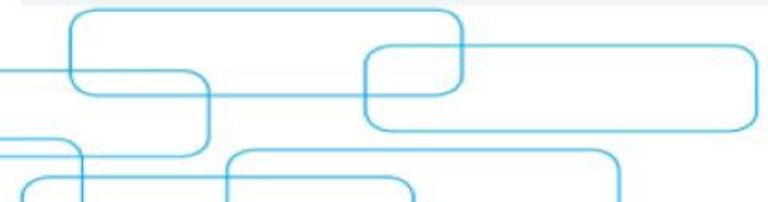
Prevalence:

Defined as HbA1c >6% or utilizing pharmacotherapy

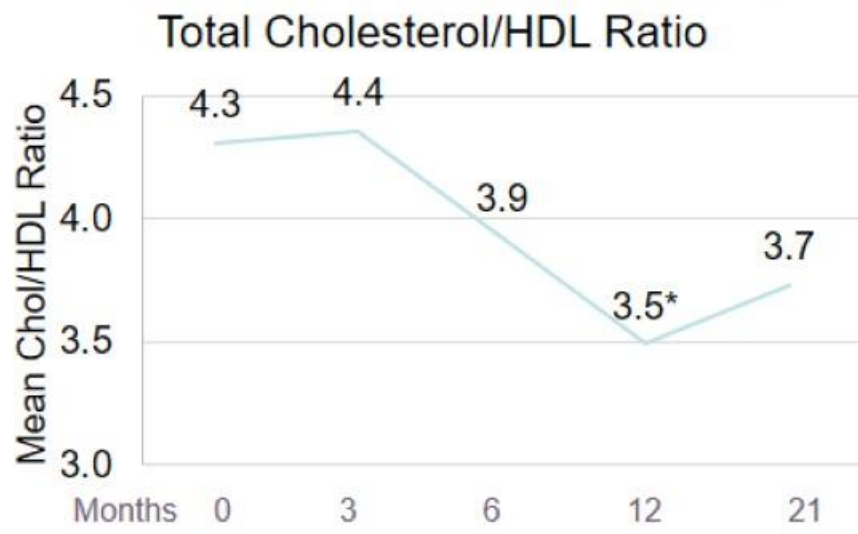
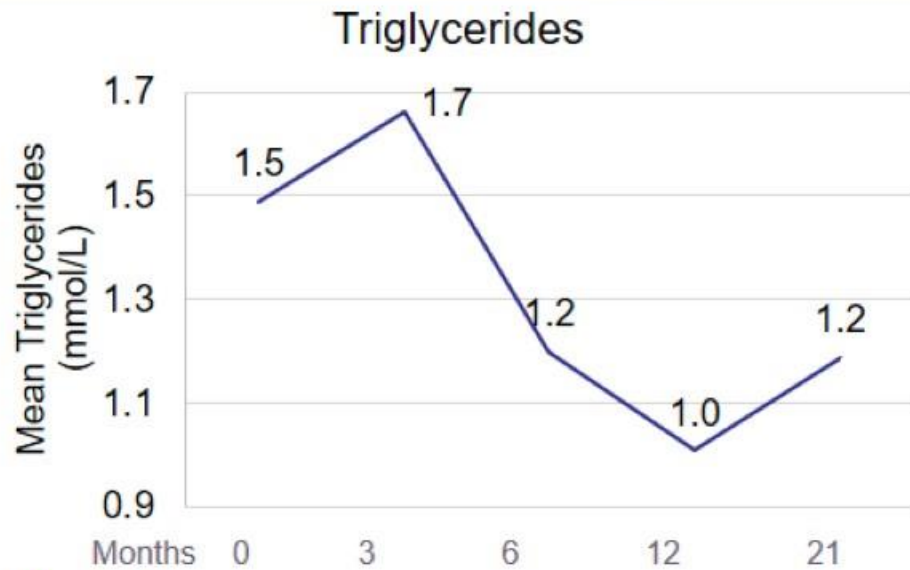
Pre-op prevalence	3m post-op	6m post-op	12m post-op
21/100 21%	n=1/14 7%	n=0/17 0%	n=1* /7 14%

Months	0	3	6	12
Total N	21	14	17	7
Data avail N	21	13	17	6
Data avail %	100	93	100	86

* HbA1c 6.1%, nil pharmacotherapy



Lipid Profile





KEY MESSAGES

A central graphic featuring the text "KEY MESSAGES" in a large, bold, dark blue font. The text is surrounded by various icons: a globe, a document with a pencil, a speech bubble, a mail icon, a network diagram, an open book, a play button, a keyboard, a video player, a speech bubble, a list icon, a starburst, and another mail icon. The icons are in shades of blue and purple.