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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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**JordaanSurgical**

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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



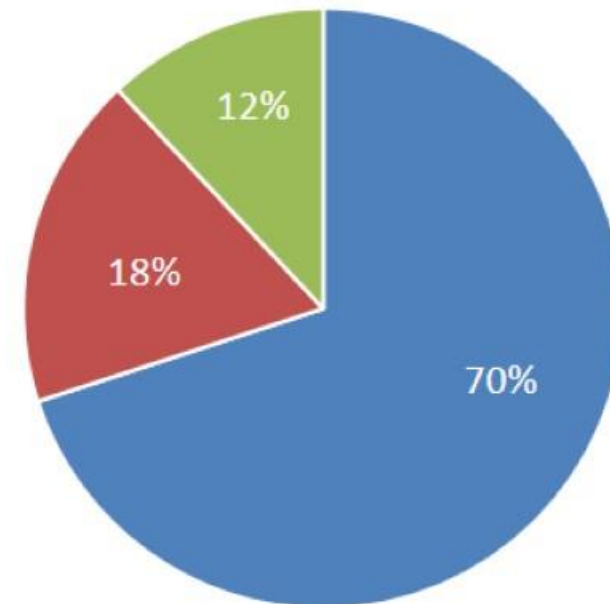
# Surgical Technique and Caseload

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

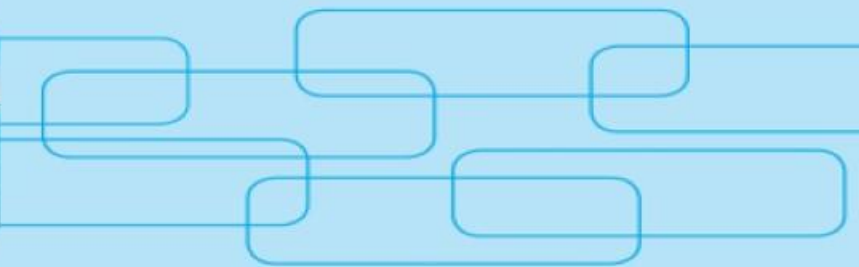


12 months to Aug 2019  
447 Bariatric Cases

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

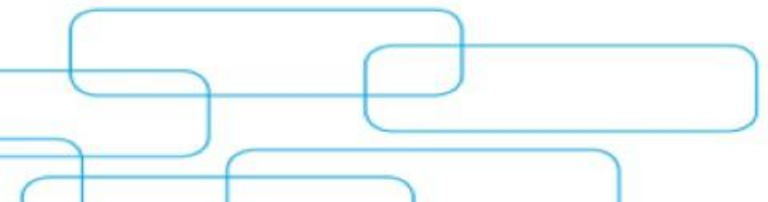


# Characteristics



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

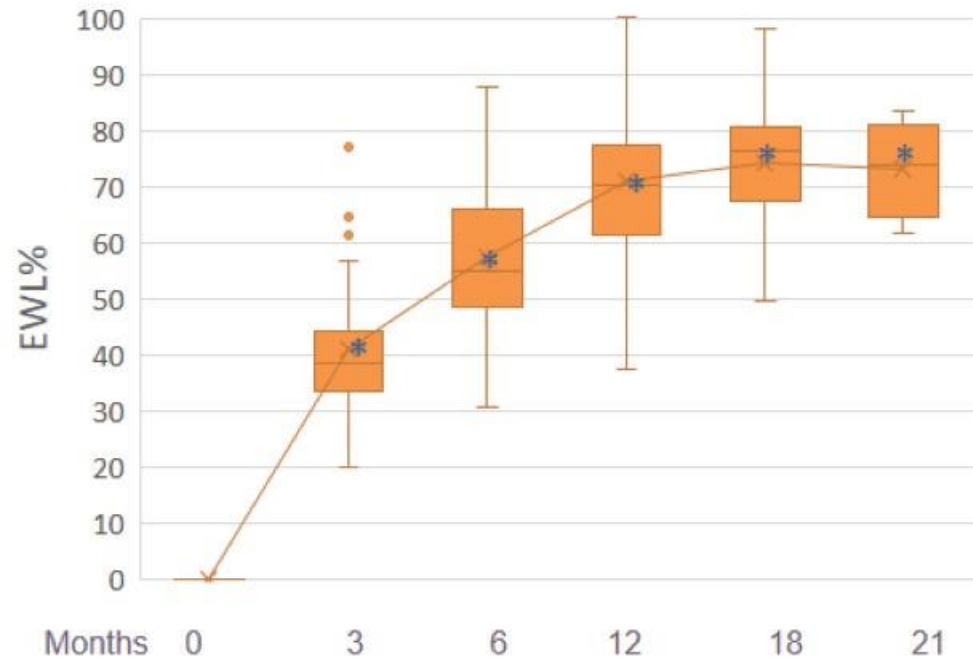
Clinical	
<b>Primary procedure</b>	<b>61%</b>
Super obesity BMI >50	34%
T2DM BMI >43	10%
Other (case by case)	17%
<b>Revisional surgery</b>	<b>39%</b>
2° to sleeve gastrectomy	30%
2° to other procedures	9%



# Excess Weight Loss



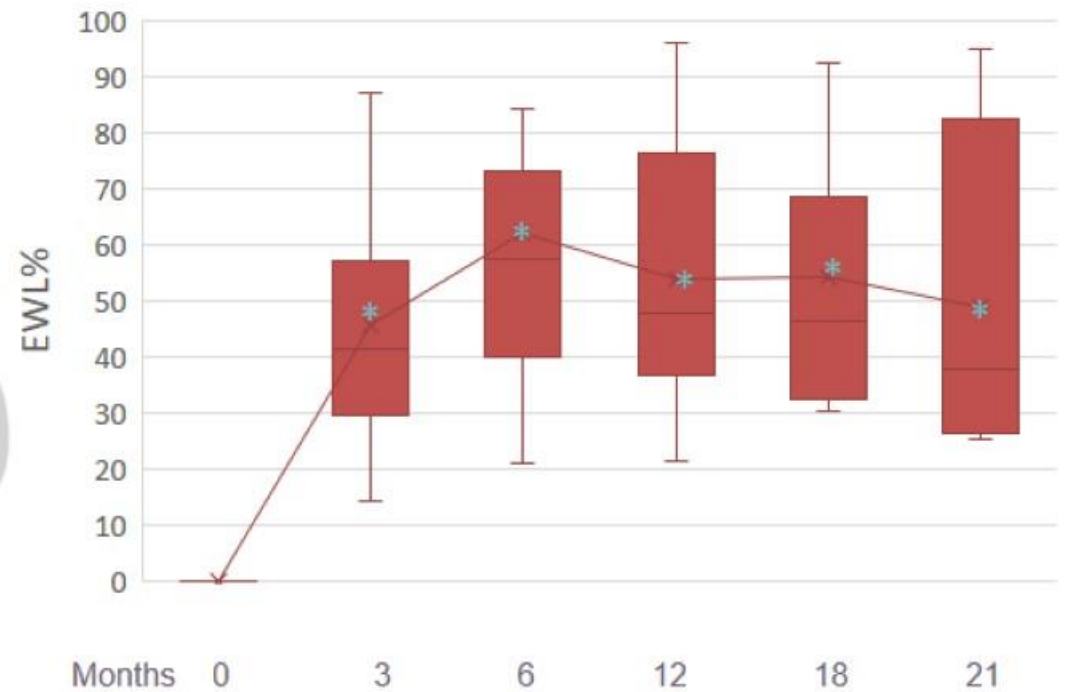
## SADI as a Primary Procedure



\*P<0.0001 change from pre-op



## SADI as a Revisional Procedure

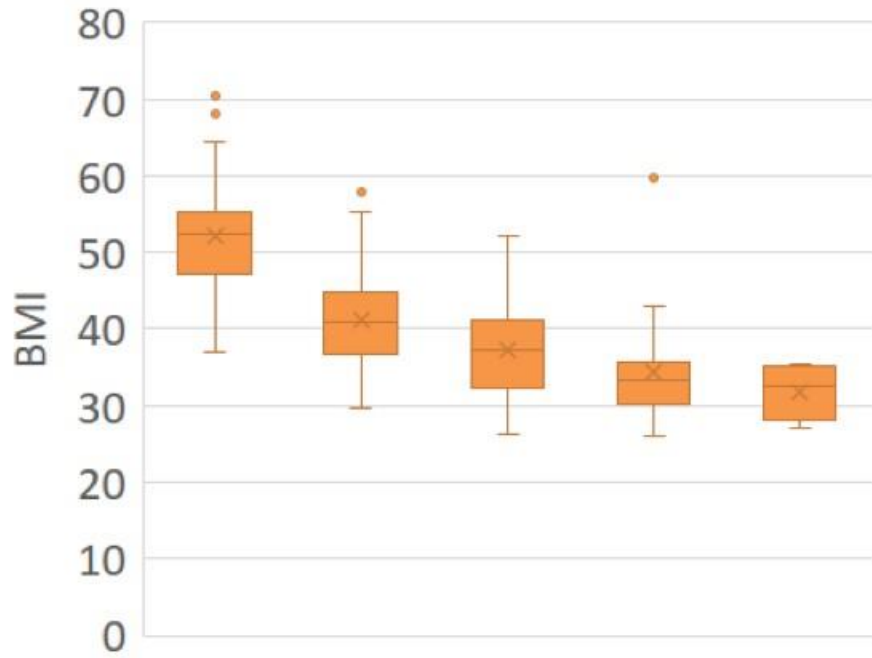


\*P<0.0001 change from pre-op

# Body Mass Index (BMI)



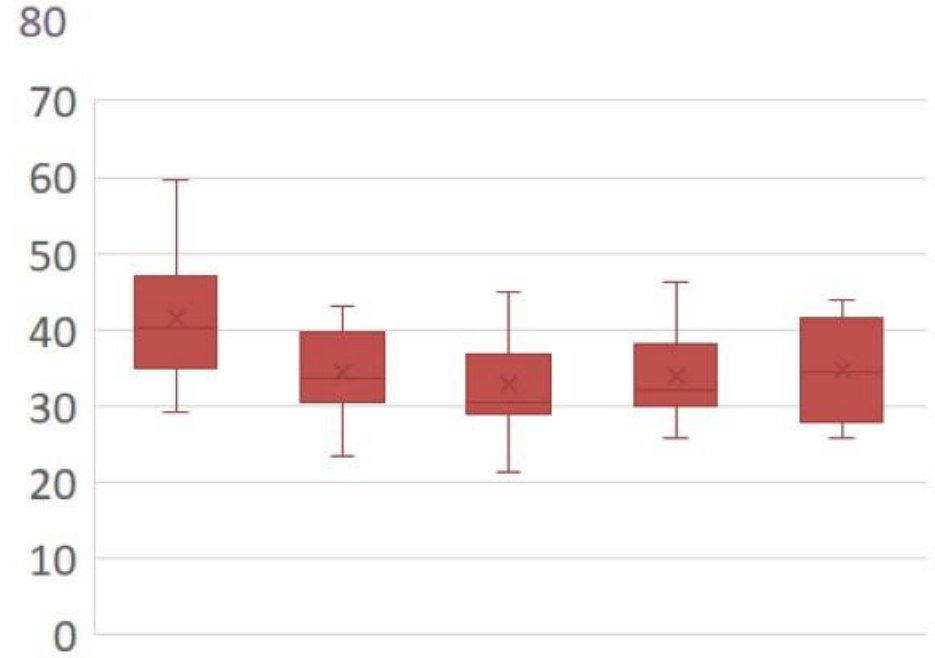
## SADI as a Primary Procedure



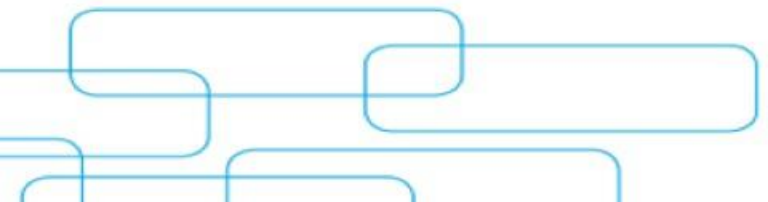
Months	0	3	6	12	21
Mean	52.3	41.2	37.1	34.4	31.9
SD	7.1	6.4	6.4	7.1	3.8



## SADI as a Revisional Procedure

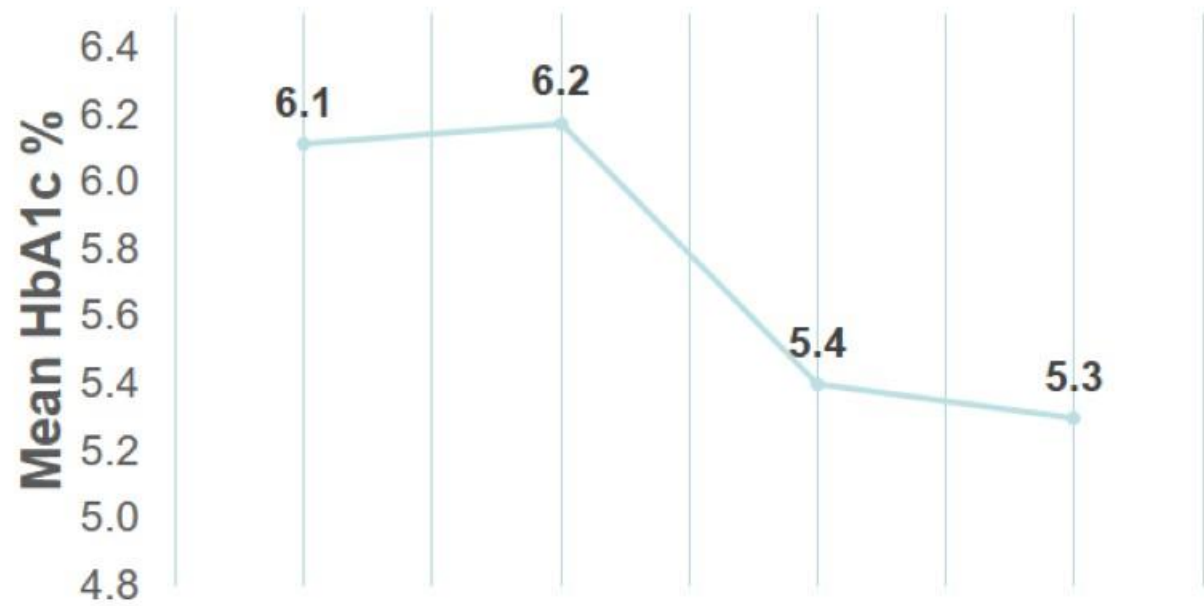


Months	0	3	6	12	21
Mean	41.5	34.4	32.7	33.8	34.7
SD	7.1	5.5	5.9	5.9	7.3





# T2DM Resolution



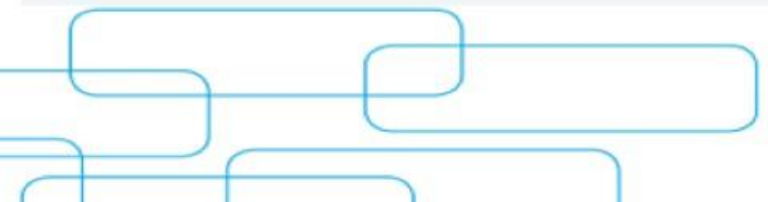
Prevalence:

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%

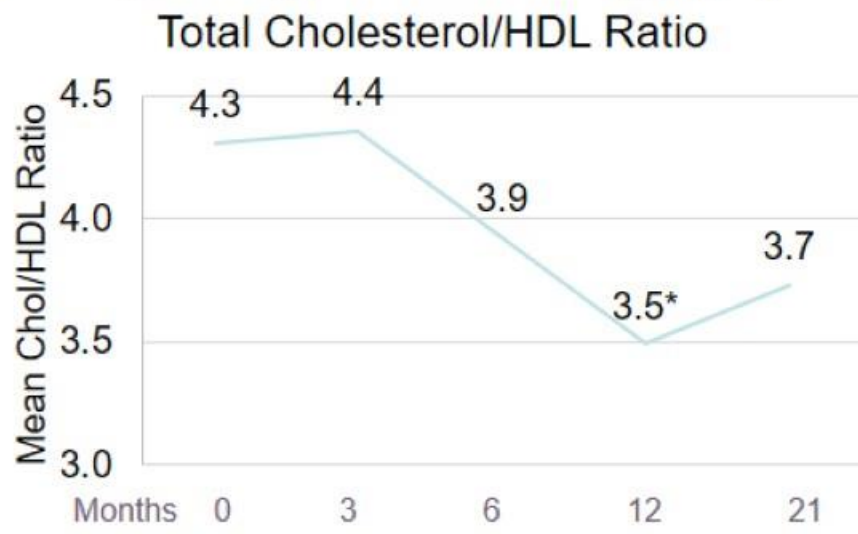
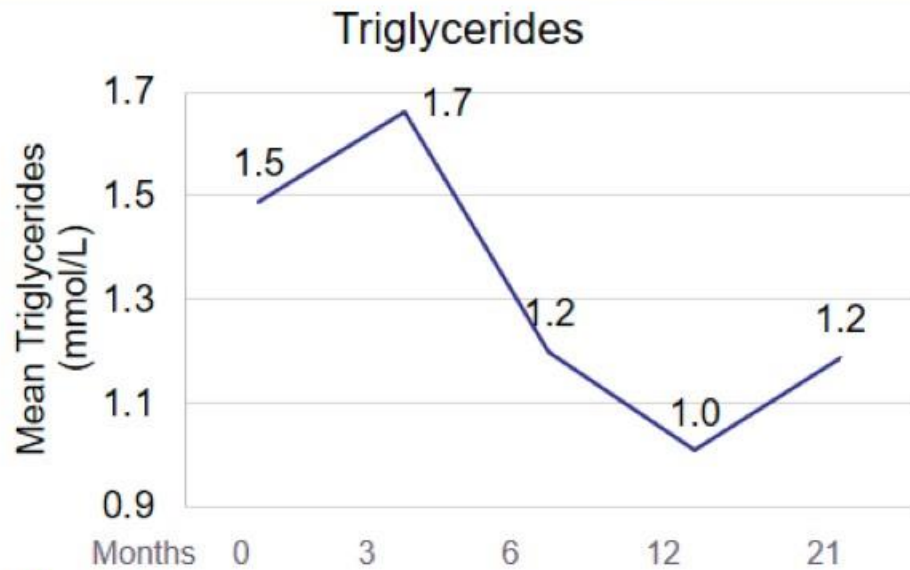
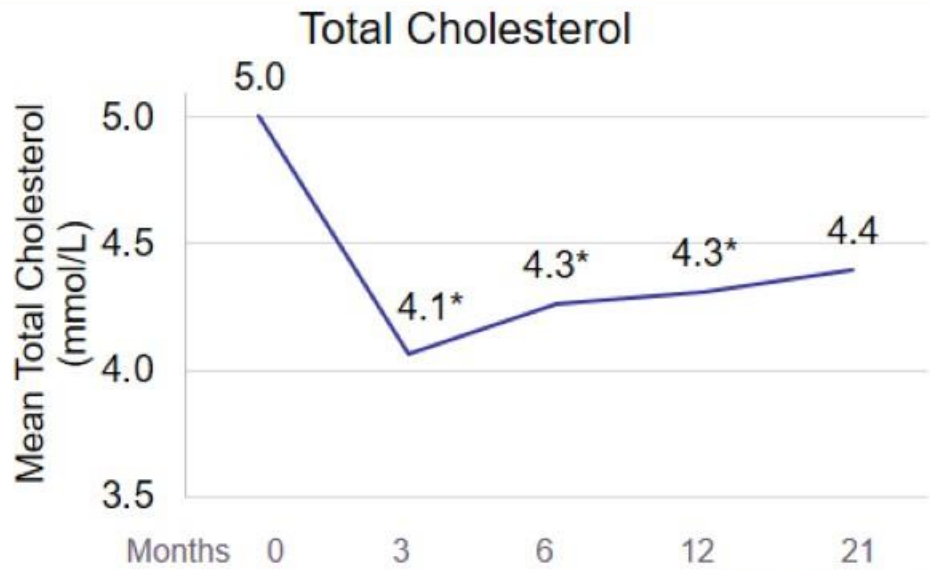
Months	0	3	6	12
Total N	21	14	17	7
Data avail N	21	13	17	6
Data avail %	100	93	100	86

\* HbA1c 6.1%, nil pharmacotherapy





# Lipid Profile





## The words "KEY MESSAGES" are written in a large, bold, dark blue sans-serif font. The text is surrounded by a variety of icons related to communication and technology. Above "KEY" are icons for a globe, a document with a pencil, a speech bubble, and a mail icon. Above "MESSAGES" are icons for a network diagram, an open book, a speech bubble with a play button, and a document with arrows. Below "KEY" is a pencil icon. Below "MESSAGES" are icons for a keyboard, a video player, a speech bubble, a list icon, a cursor icon, a speech bubble, and a mail icon. The overall style is modern and professional.

