

Association between eating pathology with weight-loss outcome and its management

Naureen Mansuri
Bariatric Psychologist
Nobesity Bariatric Surgical Centre
Gujarat, India

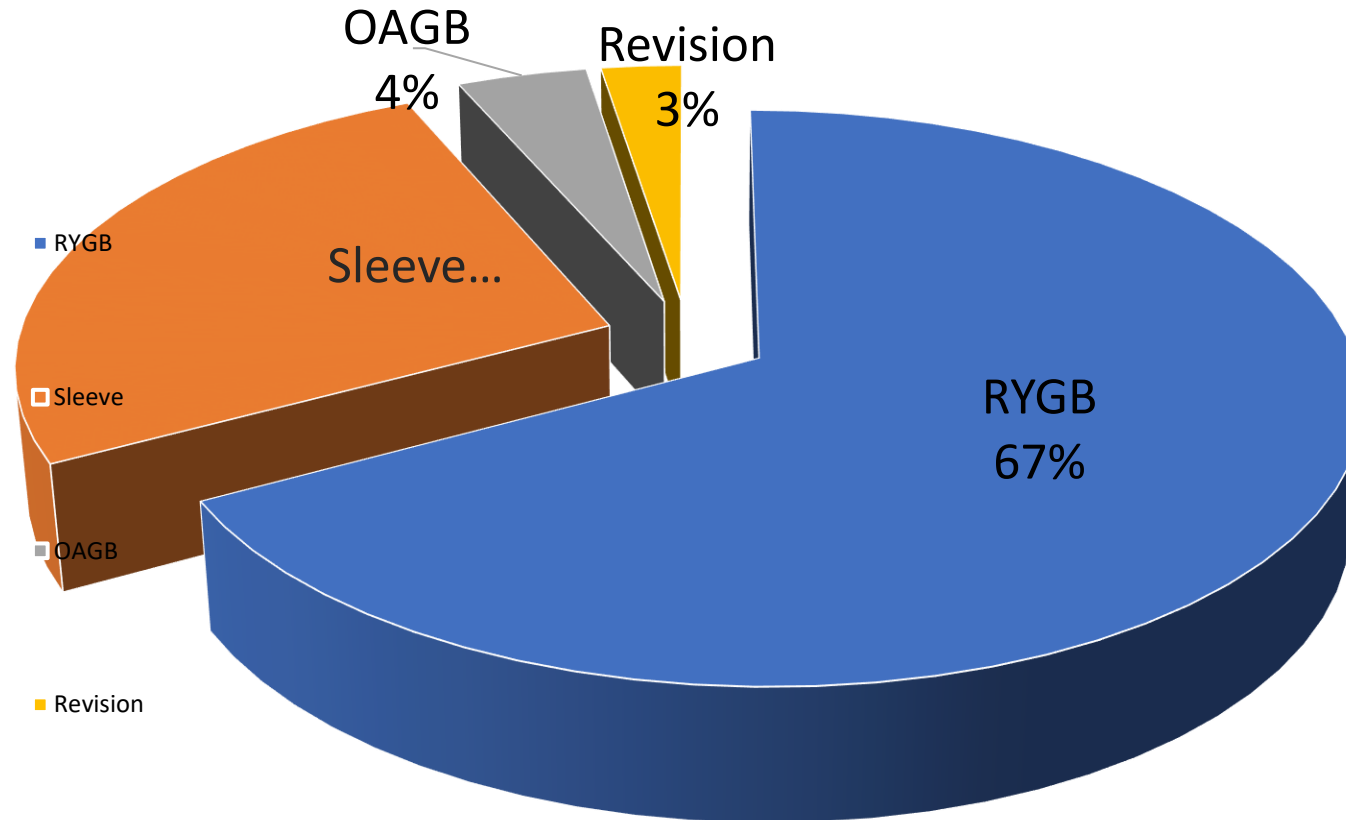


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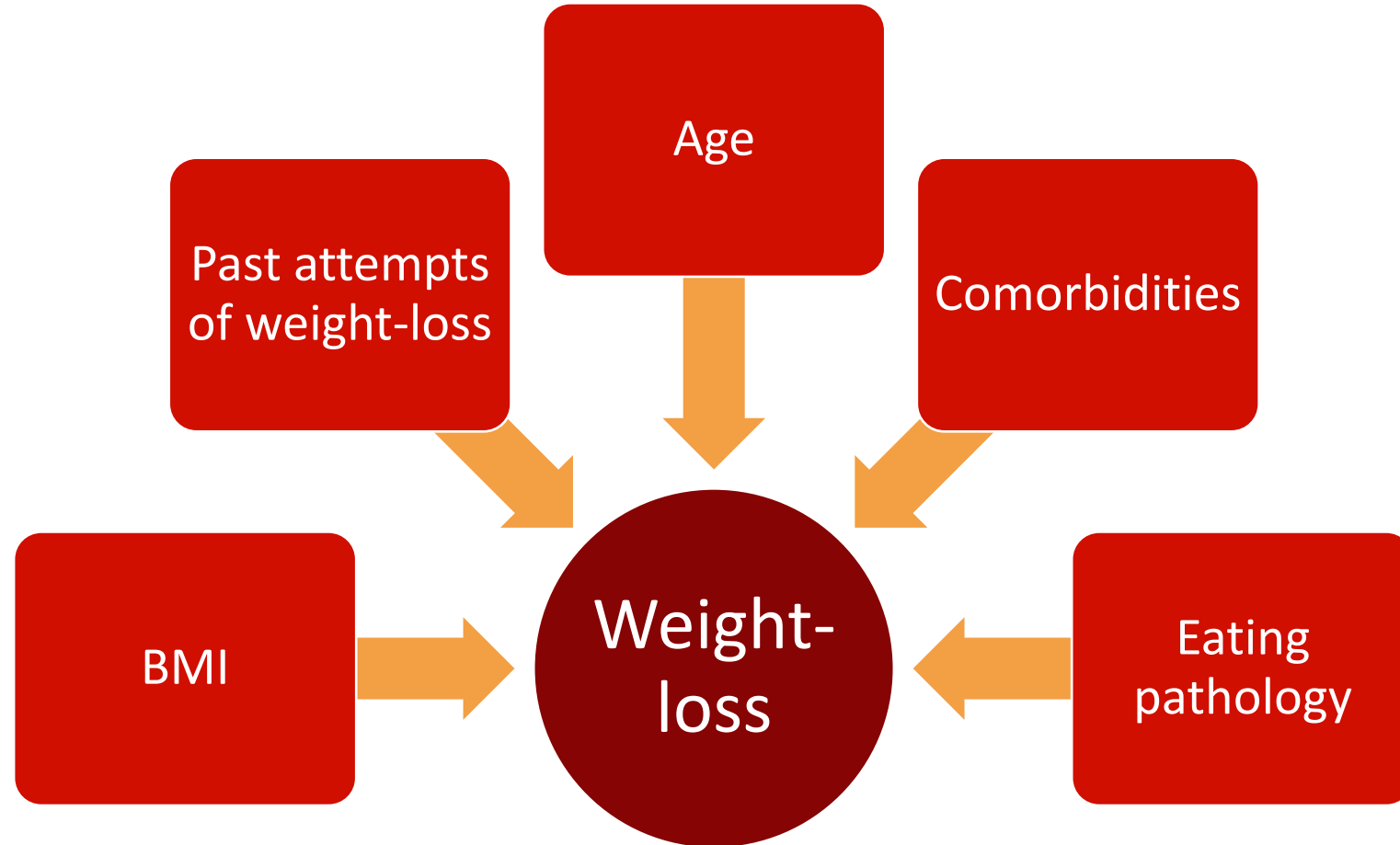
Melbourne 2024

Case Mix



- Conflict of interest: No
- Disclosure : None

Factors affecting post-bariatric outcome (Non-surgical)



Objectives of the study

1

To identify the impact of eating pathology on weight loss in bariatric patients one year after surgery

2

To determine the extent to which different eating pathologies hinder the weight loss process in bariatric patients.

Types of eating pathology commonly found among people with obesity

Binge eating

- Frequently consuming unusually large amounts of food in limited period of time and feeling that eating behaviour is out of control

Grazing

- Unplanned and Repetitive consumption of small amount food, usually unconscious and not triggered by hunger

Faulty eating pattern

- Combination of Volume eating + Fast eating + Long gaps

Emotional Eating

- Episode of compulsive eating triggered by emotional disturbances

Methodology

Total sample 1126 bariatric patient from January 2021 to August 2023

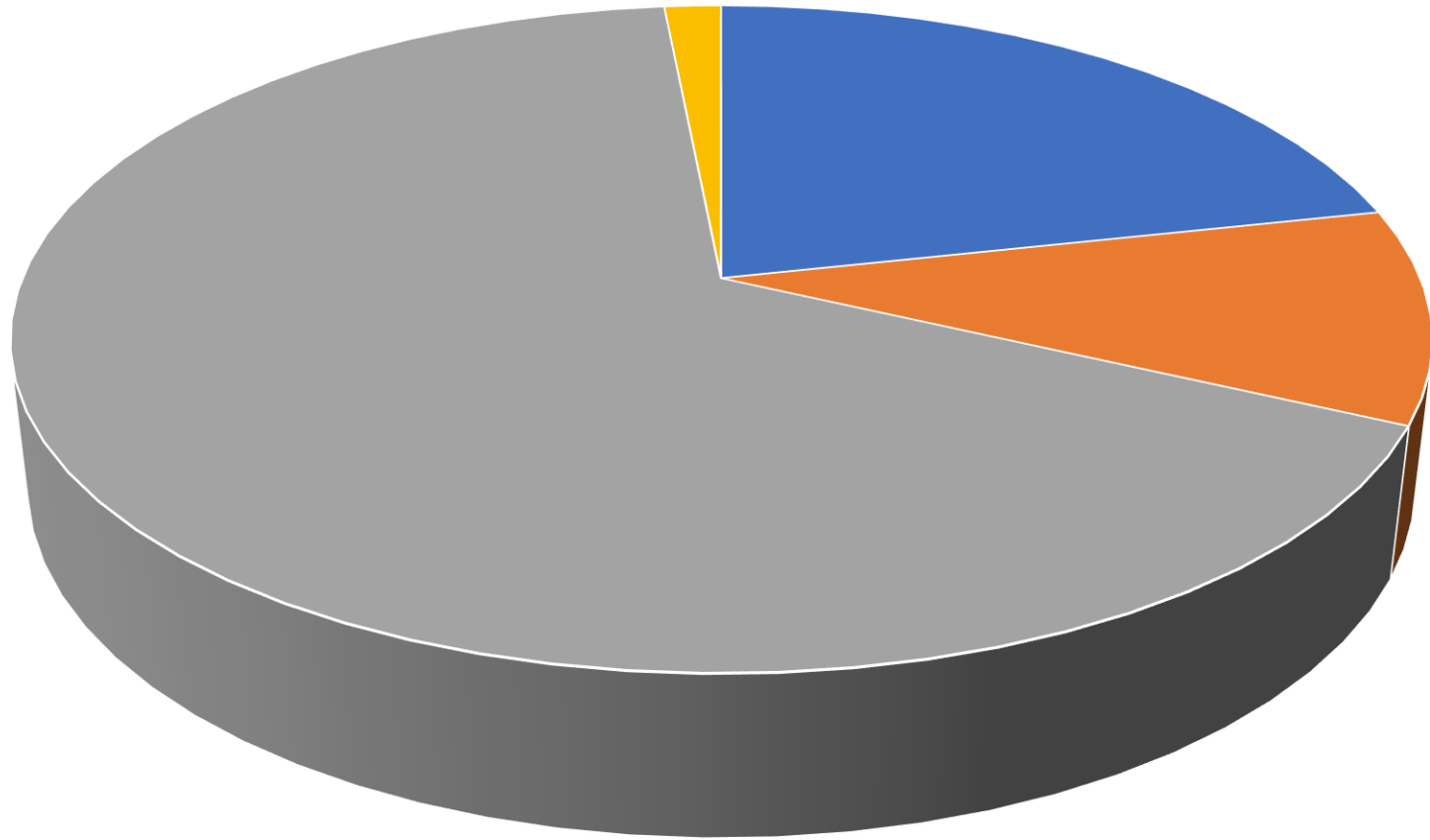
Preoperative psychological assessment comprehensive evaluation of psychological condition which includes motivation level, history of addiction, psychiatric history, personality traits

This assessment is semi-structured interview based on DSM-IV criteria

Categorized into different groups of eating pathology on the basis of preoperative psychologist assessment

Percentage of excess weight-loss (%EWL) was extracted at 1 year and compared using F-test and mean.

Prevalence of eating pathology

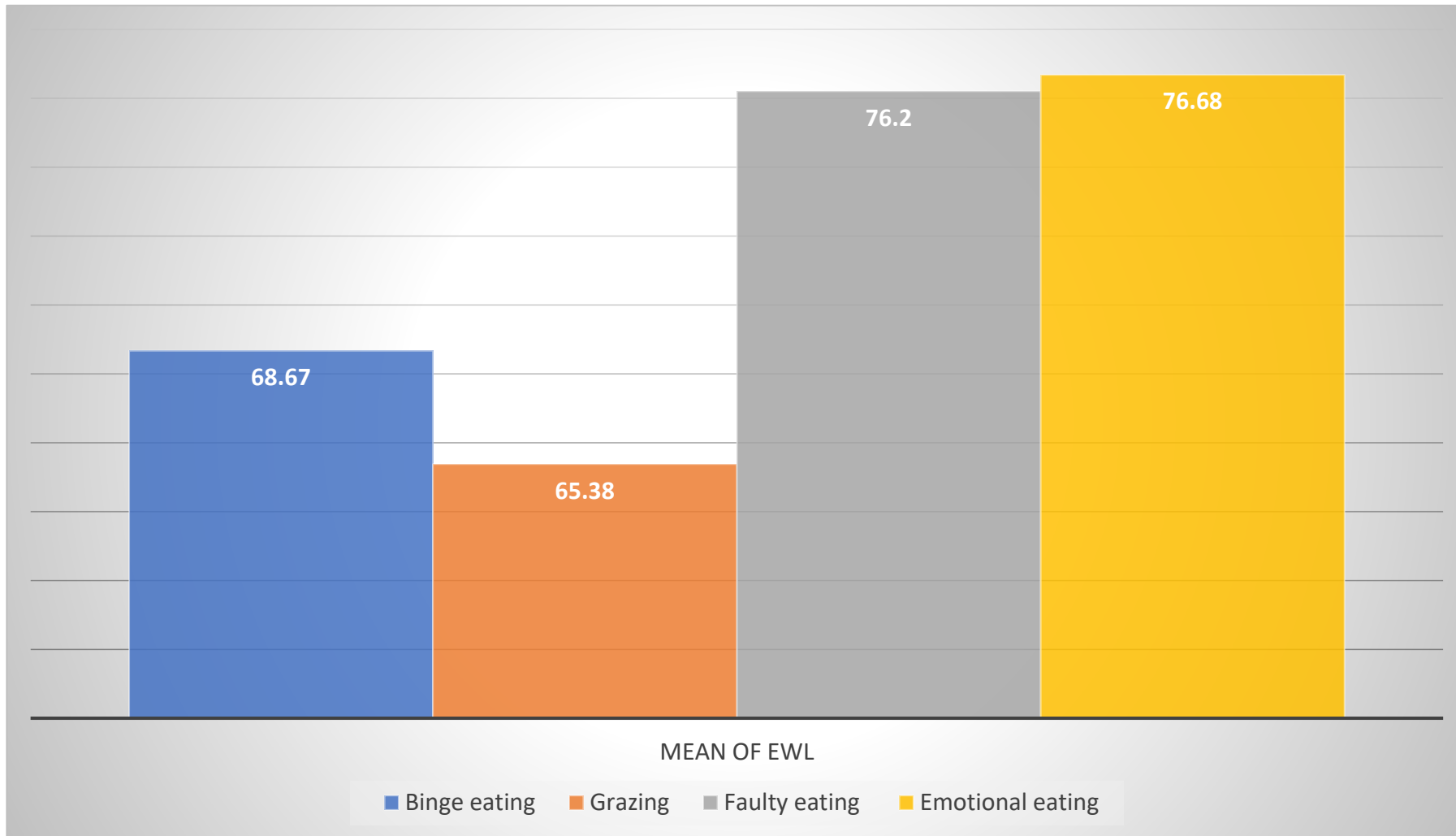


■ Binge eating ■ Grazing ■ Faulty eating pattern ■ Emotional eating

Total number of patient(N)= 1126		
Type of eating pathology	N	%
Binge eating	190	16.9
Grazing	91	8.0
Faulty eating pattern	585	52.0
Emotional eating	260	23.1

Results

One way ANOVA						
EWL						
	Sum of Squares	df	Mean Square	F	P value	Sig.
Between Groups	16820.12	3	5606.70	20.344	2.60	0.01
Within Groups	309223.15	1122	275.6			
Total	326043.28	1125				



Discussion

REVIEW

Binge Eating, Binge Eating Disorder and Loss of Control Eating: Effects on Weight Outcomes after Bariatric Surgery

Gavin Meany¹, Eva Conceição² & James E. Mitchell^{1,3*}

¹Department of Clinical Neuroscience, University of North Dakota School of Medicine and Health Sciences, Fargo, North Dakota, USA

²Universidade do Minho, Braga, Portugal

³Neuropsychiatric Research Institute, Fargo, North Dakota, USA

Table 1 Description of studies included in the review

Year	Author(s)	Site	Procedure	N	Mean ^a Duration F/U	Assessment ^b	Behaviour measured ^c				
							Pre-surgery	Post-surgery		Post-surgery ^c	
							BE/BED	LOC	BE/BED	LOC	BE/BED/LOC predictive of ↓ weight loss
1992	Rowston et al.	University of London	BPD	16	2 years	BITE	—	—	—	—	Yes
1994	Pekkarinen et al.	Helsinki	VBG	27	5.4 years	BES/BITE	—	—	37%	—	Yes
1996	Hsu et al.	Tufts	VBG	24	≤3.5 years	EDE	38%	—	—	21%	Yes
2001	Mitchell et al.	University of North Dakota	RYGB	78	14 years	Interview M-FED (SCID criteria)	49%	—	12%	—	Yes
2002	Kalarchian et al.	University of Pitt	RYGB	99	>2 < 7 years	EDE-Q	—	—	—	46%	Yes
2003	Guisado & Vaz	Extremadura	VBG	140	18 months	BES	—	—	18%	—	Yes
2004	Larsen et al.	Nijmegen	Band	157	34 months.	BES	55.9%	—	37.4%	—	Yes
2007	Scholtz et al.	University of London	LAGB	37	5 years.	Interview/EDE	17%	13%	10%	8%	Yes
2008	Colles et al.	Monash	Band	129	12 months.	QEWP-R/Interview	14%	—	3%	—	Yes
2010	White et al.	Yale	RYGB	361	1, 2 years.	EDE-Q	—	61%	—	36%/39%	Yes
2010	de Zwaan et al.	University of North Dakota	RYGB	59	2 years.	Interview EDE-BSV	29%	—	—	25%	Yes
2010	Koffman et al.	Yeshiva New York	RYGB	497	3–10 years.	QEWP-R	—	—	27%/18%	50%	Yes
2011	de Man Lapidoth et al.	Sweden	Variable	102	3 years.	EDE-Q	17.6%	—	28.4%	—	No
2012	Beck et al.	University South Denmark	RYGB	45	2 years.	'BE Survey'	—	—	—	—	Yes
2012	Wood et al.	University of Surrey	LAGB	33	6 months	EDDS	50%	—	7%	—	Yes

^aDuration from surgery to follow-up assessment


^bAssessment instrument used: BITE, Bulimia Investigatory Test, Edinburgh; BES, Binge Eating Scale; EDE, Eating Disorders Examination; M-FED, McKnight Follow-up for Eating Disorders; EDE-Q, Eating Disorders Examination-Questionnaire; Interview, clinical interview; QEWP-R, Questionnaire on Eating and Weight Patterns-Revised; 'BE Survey', Instrument constructed for this purpose; EDDS, Eating Disorders Diagnostic Scale.

^cBE, Binge eating; BED, Binge eating disorders; LOC, Loss of control eating.

Snack-Eating Patients Experience Lesser Weight Loss after Roux-En-Y Gastric Bypass Surgery

Silvia Leite Faria • Emily de Oliveira Kelly • Orlando Pereira Faria • Marina Kiyomi Ito

Grazing Behavior Hinders Weight Loss in Long-Term Post Bariatric Surgery: a Cross-Sectional Study

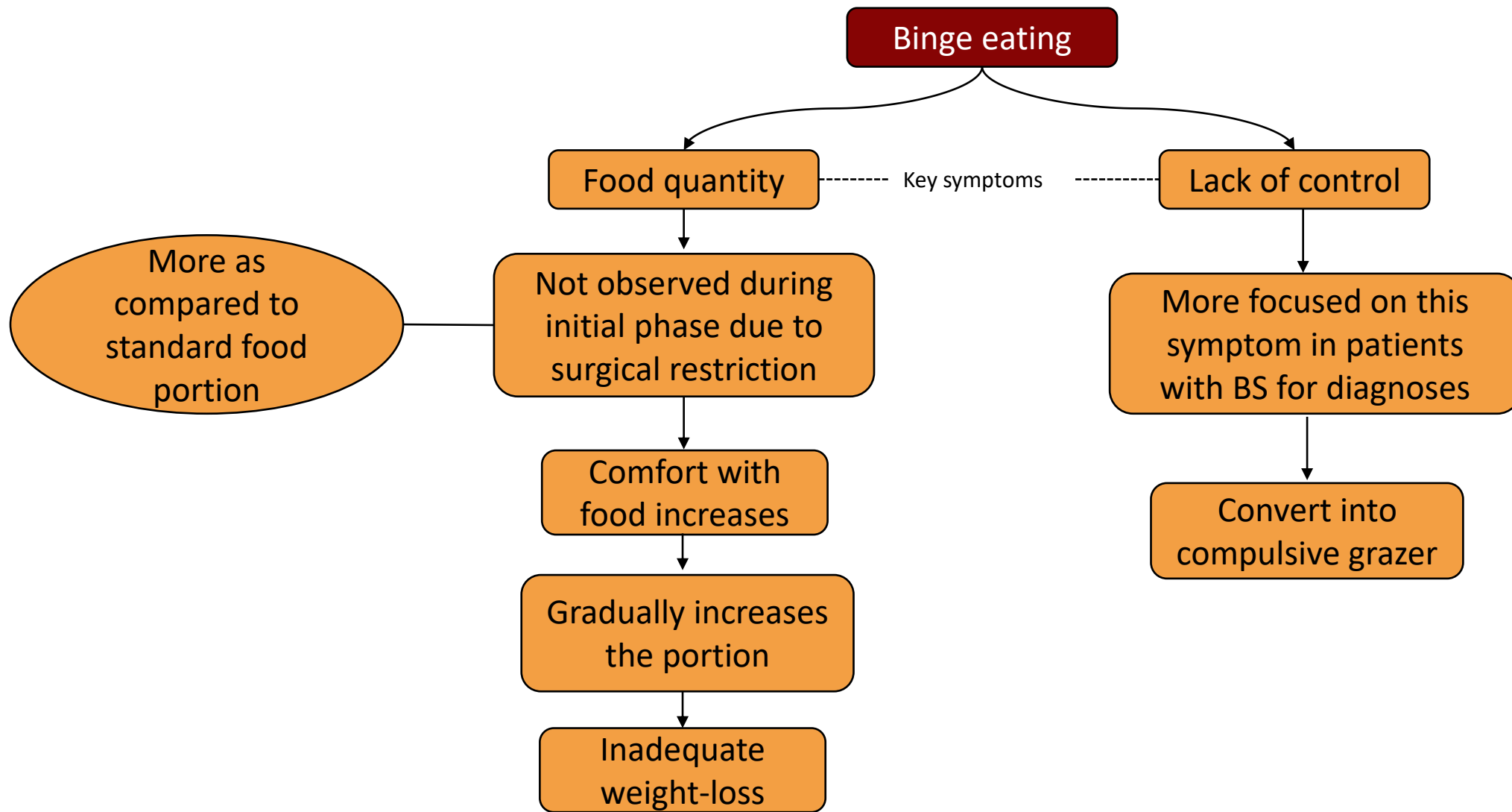
Larissa Cristina Lins Berber¹ • Mariana Silva Melendez-Araújo¹  • Eduardo Yoshio Nakano² • Kênia Mara Baiocchi de Carvalho¹ • Eliane Said Dutra¹

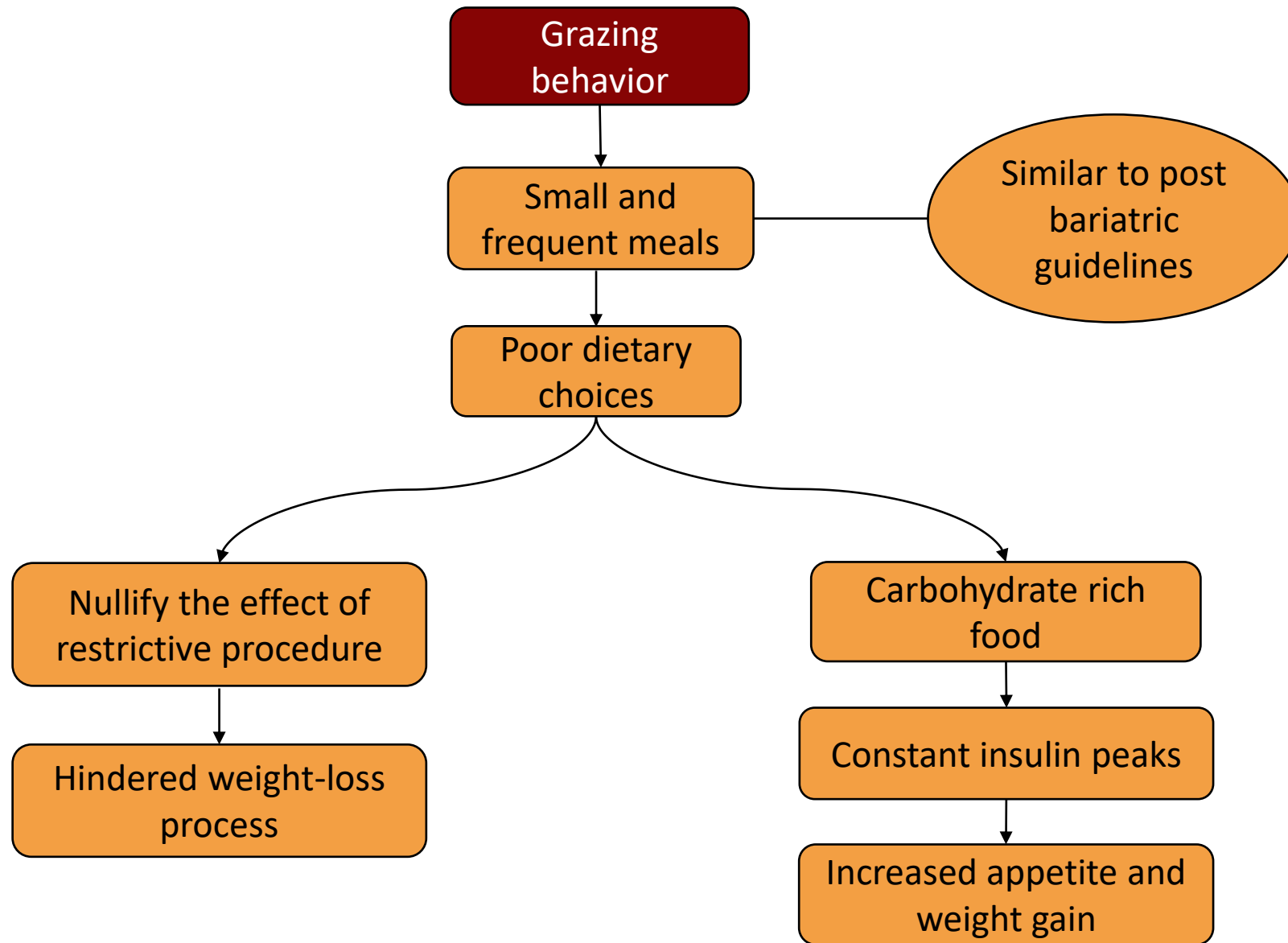
Grazing and Loss of Control Related to Eating: Two High-risk Factors Following Bariatric Surgery

Susan L. Colles¹, John B. Dixon¹ and Paul E. O'Brien¹

Maladaptive Eating Patterns, Quality of Life, and Weight Outcomes Following Gastric Bypass: Results of an Internet Survey

Michele D. Kofman¹, Michelle R. Lent¹ and Charles Swencionis¹⁻³





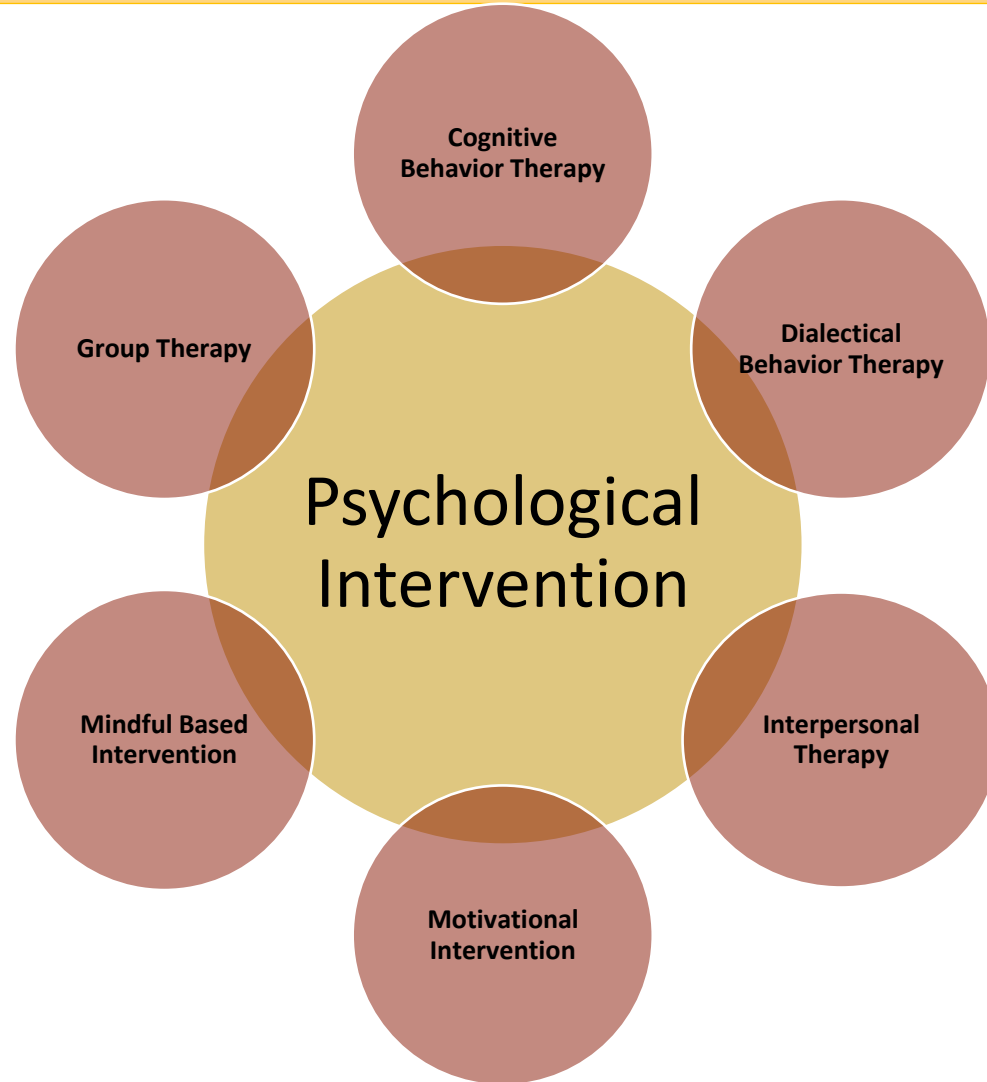
Conclusions

Eating pathologies have association with weight-loss outcome after bariatric surgery.

Among other eating pathology, Grazing behavior has more significant impact on weight-loss, which is followed by binge eating.

To improve overall weight-loss journey, it is necessary to adopt holistic approach, which include comprehensive management of eating pathology.

Management



Cognitive Behavior Therapy

Cognitive restructuring

- Distorted thoughts related to food, body image, self-worth
- Identify and replace with realistic thoughts

Behavior modification

- Self-monitor eating habits through food diaries
- Plan meals, avoid high-risk situations, establish regular eating schedule

Dialectical Behavior Therapy

Mindfulness

- Teach patients to be present and aware
- Help recognize emotional triggers

Distress Tolerance

- Develop coping mechanisms for distress
- Use distraction, self-soothing, crisis survival

Emotional Regulation

- Manage and change intense emotions
- Label emotions, reduce vulnerabilities, increase positive emotions

Interpersonal Therapy

Improving communication

- Unresolved interpersonal issues that contribute to their eating behavior
- Helps to identify these negative thought patterns and replace them with more realistic one

Building social-support

- Supportive relationship can buffer against the stress that triggers disordered eating.
- Help to seek support from others and how to give in the way that feels comfortable and beneficial.

Motivational Intervention

Exploring Ambivalence

- Help to resolve conflicts regarding changing their eating habits
- Explore both sides of this ambivalence- the reasons for change and the reasons for staying the same

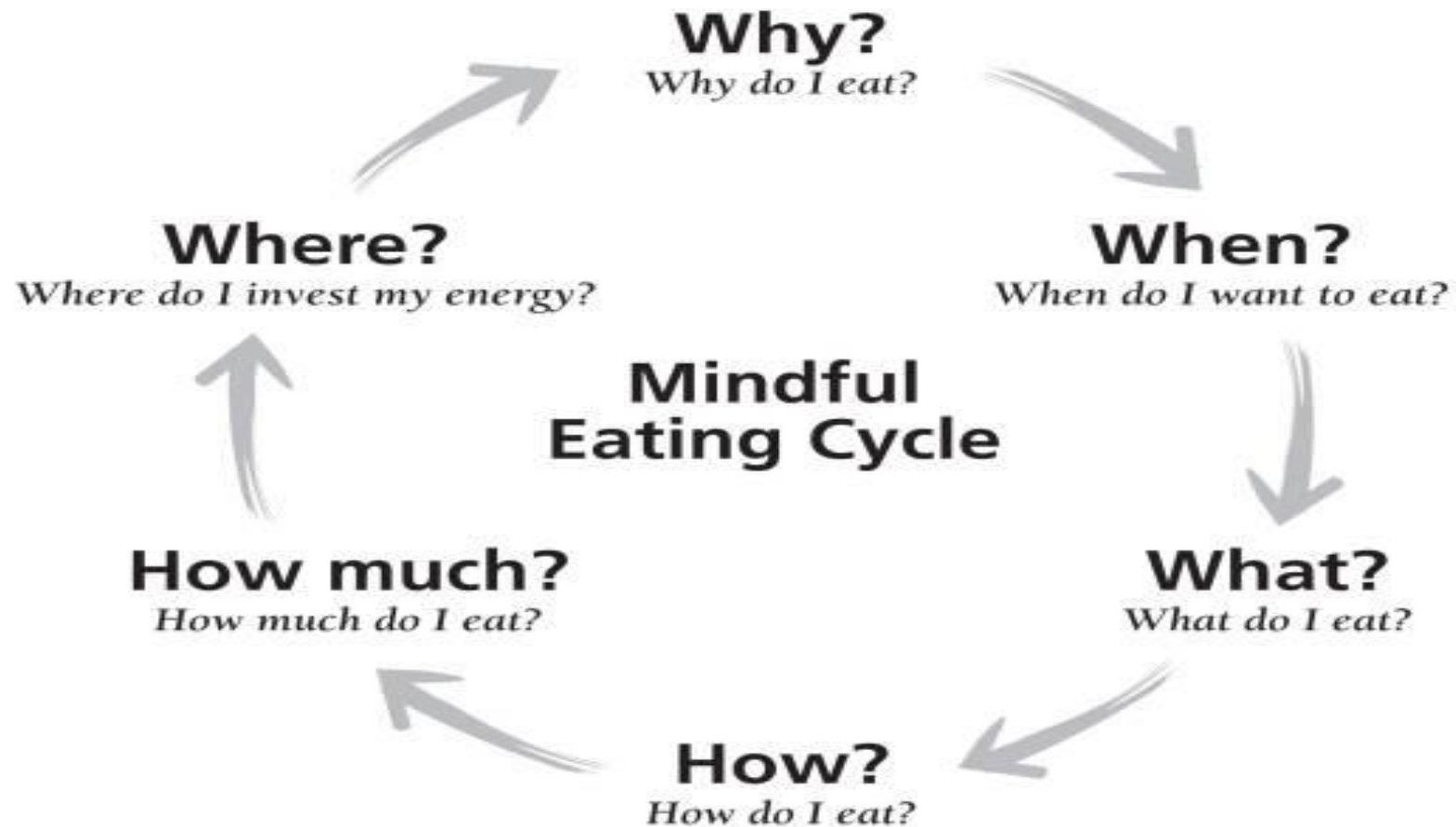
Build Self-efficacy

- Focuses on strengthening confidence in their ability to make and sustain change
- Identification of past success and using these a foundation

Setting Goals

- Guides in setting realistic and achievable goals

Mindful Based Intervention



Limitation and Future Scope

<p>This study includes only short-term data (one year post op), so it doesn't assess the effect on weight maintenance and weight-gain beyond this period.</p>	<p>The study could be extended to include long-term follow-up (at 2, 5, and 10 years post-op) to assess the impact of eating pathology on weight regain.</p>
<p>The absence of a control group, such as patients without eating pathology, restricts the study's ability to make comparisons.</p>	<p>To obtain more comprehensive results, future research could include an additional comparison group.</p>
<p>While all patients received some form of psychological intervention aimed at addressing eating pathology, this intervention was primarily applied to those whose eating patterns raised significant concerns regarding their post-surgery adaptation.</p>	<p>For better insights, two distinct groups could be formed: one that receives targeted psychological intervention for eating pathology and another that does not receive any intervention.</p>

Thank you