An ancillary session at the 2017 Family Medicine Forum

Understand, Empower, Treat: *Revolutionizing obesity care*

Thursday, November 9, 2017 | 12:30-13:30

Session ID no. 186109-074

After attending this session, participants will be able to:

- Explore the multifactorial pathophysiology of obesity as a chronic disease and describe the rationale for its management.
- Compare currently available Canadian pharmacotherapy options for the management of obesity.
- Discuss practical approaches to the initiation and maintenance of obesity management in clinical practice.



Tina Kader, MD, FRCPC, CDE

Dr. Tina Kader is a Staff Physician in the Division of Endocrinology at Jewish General Hospital in Montreal, Quebec. She is an endocrinologist at the Champlain Valley Physicians Hospital in Plattsburgh, New York.

This program has been certified by the College of Family Physicians of Canada and the Quebec office for up to 1.00 Group Learning credits.

This program was supported in part by educational funding from Novo Nordisk Canada Inc.

Understand, Empower, Treat:

Revolutionizing obesity care

Faculty/presenter disclosure

Faculty: Tina Kader, MD, FRCPC, CDE

- Relationships with commercial interests: Advisory Board: AstraZeneca, B-I, Eli Lilly, Novo Nordisk, Sanofi, Takeda Speakers' bureau: AstraZeneca, B-I, Eli Lilly, Novo Nordisk, Sanofi, Takeda Consulting Fees: n/a Other: none

Disclosure of commercial support

- This program has received financial support from Novo Nordisk Canada Inc. in the form of an educational grant This program has received in-kind support from Novo Nordisk Canada Inc. in the form of logistical support

- Potential for conflict(s) of interest:

 Dr. Kader has received honoraria from Novo Nordisk Canada Inc., whose product(s) are being discussed in this program

 Novo Nordisk Canada Inc.: Itraglutide (Saxenda®)

 Novo Nordisk Canada Inc.: developed products that will be discussed in this program:
- Liraglutide
 Dr. Kader will receive an honorarium from the CFPC for this talk

Mitigating potential bias

- All content has been reviewed by a physician steering committee, pharmacist expert reviewers, the College of Family Physicians of Canada, and the FMOQ (Fédération des médecins omnipraticiens du Québec)
- · All data has been sourced from evidence that is clinically accepted
- All support used in justification of patient care recommendations conform to generally accepted standards, the 5 As of obesity management from the Canadian Obesity Network, and the 2006 Canadian clinical practice guidelines on the management and prevention of obesity

Planning committee

- · Ali Zentner, MD, FRCPC, DipABOM
- Andre Belanger, MD, CCFP
 David A. Macklin, MD, CCFP
- Renuca Modi, MD, CCFP, DipABOM
- Ken Burns, B.Sc.PhmCatherine Schill, B.Sc.Phm

Program objectives

After attending this program, participants will be able to:

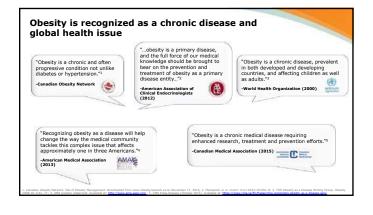
- Explore the multifactorial pathophysiology of obesity as a chronic disease and describe the rationale for its management.
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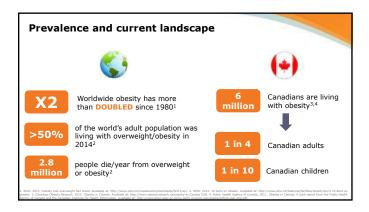
Obesity is more a lifestyle issue than a chronic disease state.

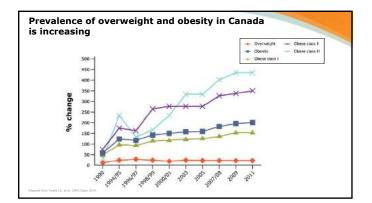
A. True

B. False









Weight bias

Refers to:

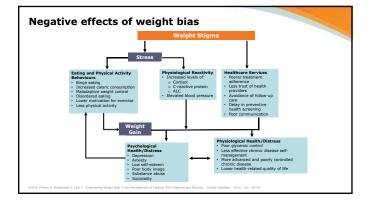
- Attitudes/actions towards people with obesity that negatively affect clinical interactions
 Stigmatizing patients because of their obesity
- Applying stereotypes to a person because of their obesity which translate into prejudices, unfair treatment and discrimination
- Weight bias and stigmatizing usually occurs when people believe that excess weight is controllable and due to a lack of personal responsibility
- Prevalence has increased by 66% in the last 10 years; similar to racial discrimination in terms of its negative effects on an individual and on a society
- 53% of patients have received inappropriate comments from their doctors about their weight
- 84% of patients believe their weight is blamed for all their medical complaints

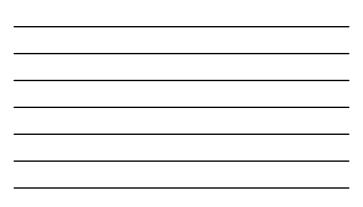
Weight bias in clinical practice

- Addressing weight bias in clinical practice is challenging because it is **pervasive** and **more socially acceptable** than other types of bias
- Two types of weight bias exist in practice:
 Explicit: Deliberate and consciously expressed (e.g., telling a patient they are "fat and unmotivated")
 - Implicit: Subconscious and hidden (e.g., chairs that don't fit, a scale that won't weigh, lack of a large blood pressure cuff)

Discussion Point

How has weight bias played a role in your practice?

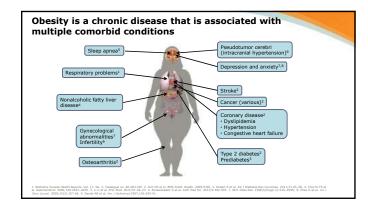


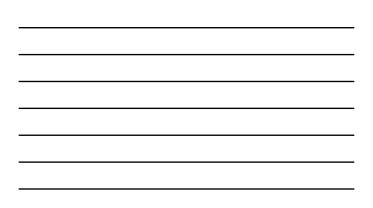


Strategies to overcome weight bias

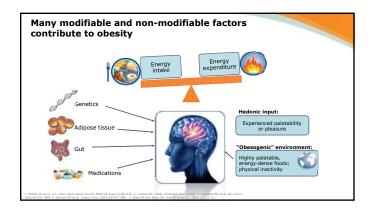
- Acknowledge it exists on both levels
- Not all obese patients want to talk about weight loss; do not assume this is open for discussion
- Create a weight-friendly environment (e.g., chairs, gowns, scales and cuffs)
- When discussing obesity emphasize its complex pathophysiology involving genetics, physiology and environment
- WATCH YOUR LANGUAGE!



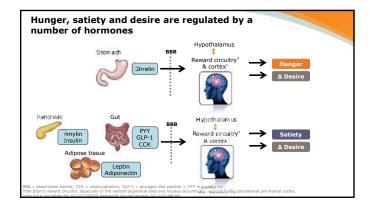




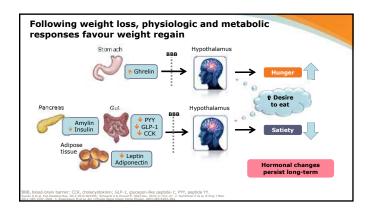
Good eating habits, exercise and motivation are enough to lose and maintain weight.	
A. True	
B. False	



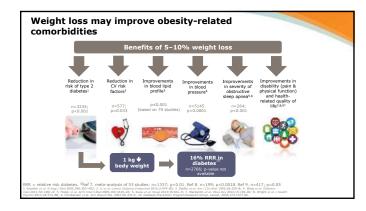


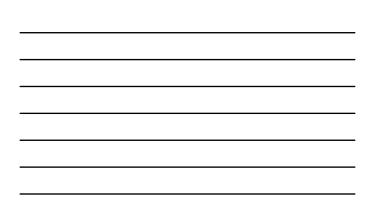




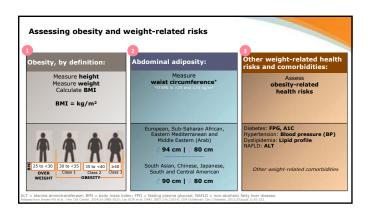


A weight loss of $\underline{X\%}$ is associated with health benefits.
A. 5-10%
B. 10-15% C. 15-20%
D.20-25%



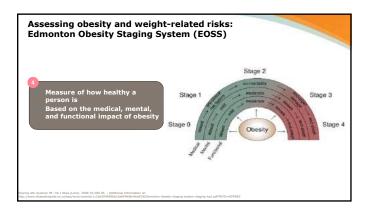


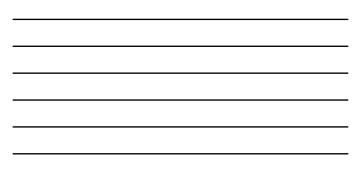


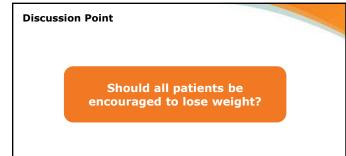


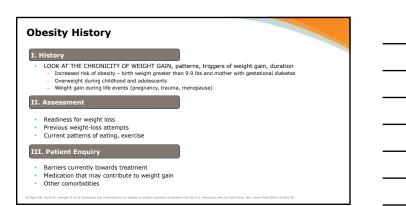
vantages and disadvantage	es of BMI
Advantages of BMI	Disadvantages of BMI
Does usually correlate with fat mass in the absence of significant exercise program	Does not account for fat tissue and adipocytes as a hormonal entity with certain metabolic properties-certain fat tissue can be "sicker" than others
Often correlates with risk particularly in patients with higher BMI (greater than 40 kg/m ²)	May not correlate with metabolic disease in all individuals particularly in certain ethnocultural communities
Has a use to define the extent of overweight or obesity	Does not consider muscle mass, breast mass











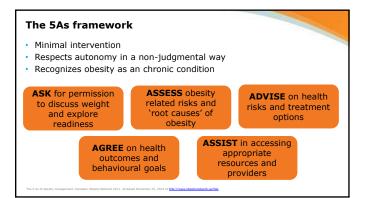
besity affects several domains of health and well-being (the "4Ms") $^{\scriptscriptstyle 1}$							
			The 4Ms	of	obesity		
	Mental		Mechanical		Metabolic		Monetary
	Cognition Depression Attention deficit Addiction Psychosis Eating disorder Trauma Insomnia		Sleep apnea Osteoarthritis Chronic pain Reflux disease Incontinence Thrombosis Intertrigo Plantar fasciitis	••••••	Type 2 diabetes Dyslipidemia Hypertension Gout Fatty liver Gallstones Polycystic ovary syndrome Cancer	• • • • • •	Education Employment Income Insurance Benefits Disability Weight-loss programs Bariatric supplies

HOW do we treat obesity? **Behavioural interventions**

Starting the conversation

 You do not just hand a patient a diet Patients could teach you a thing or two about dieting

- Your job is to build a bridge between knowledge and action
- Can use tools and approaches to help:
 – Food diary
 – Exercise prescription
 – Motivational communication is key



Motivational interviewing (MI)

- Different than the traditional expert-recipient relationship between clinician-patient → "Person-centred partnership"
- Honours the patient as the decision-maker
 It combines the knowledge of the clinician with the patient's knowledge to enable the patient to choose the best clinical path
- Designed to strengthen personal motivation for and commitment to a specific goal by eliciting and exploring the person's own reasons for change within an atmosphere of acceptance and compassion
- Motivation is a shared responsibility
- MI is evocative

MI is a valuable behavioural intervention

- External and internal pressures to change are often overwhelming
 - Patients are dealing with this specific problem, but have a life as well
- This can result in frustration, which can create a chronically ambivalent state as patients underestimate their own ability and confidence

MI helps to remove these pressures

Key strategies in MI

- Open-ended questions
 - Cannot be answered with a "yes" or "no"
 Patient has to contemplate and form an answer
- Reflective listening

 "It sounds like..."
- Summarizing
 - Clarifying understanding and creating a framework for decisional balance
- Affirming
 - "I hear and understand your challenges," rather than praising

Helpful tips for incorporating MI into practice

- Remember: MI is a collaborative conversation style
 Goal is to strengthen the therapeutic relationship
- Interpersonal skills are important
- Change talk (from the patient) is critical
 Need ("I should..." or "I might...")
 Commitment ("I will..." or "I am...")
- Praise should congratulate the patient's abilities, rather than the action

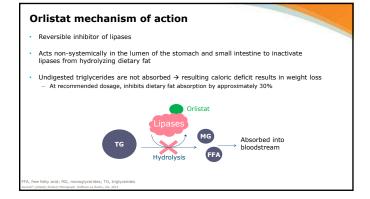
 i.e., patient has *learned* that he is capable of losing weight and that can continue, vs. patient has lost a few pounds
- Continue to clarify understanding with reflection and summarizing

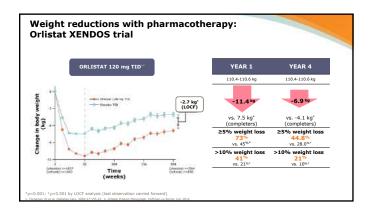
 If the patient answers "yes" or "no," MI is not being incorporated correctly!

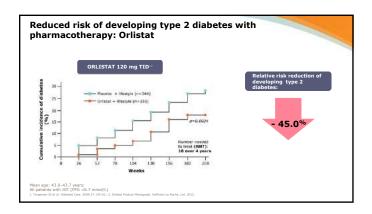


There are effective pharmacotherapy options available for weight management.	1
A. True	
B. False	

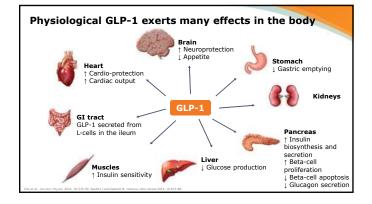
	Orlistat (Xenical®)	Liraglutide (Saxenda®)
Drug class	Gastric and pancreatic lipase inhibitor	GLP-1 receptor agonist
Indication	≥30 kg/m ² or ≥27 kg/m ² + comorbidity	≥30 kg/m ² or ≥27 kg/m ² + comorbidity
Contra- indications	Chronic malabsorption syndrome Cholestasis	Multiple Endocrine Neoplasia syndrome (MEN2), medullary thyroid cancer (MTC) Pregnancy/breastfeeding
Most common adverse events	Oily spotting, stool, evacuation Flatus with discharge Fecal urgency, increased defecation	 Nausea, vomiting, dyspepsia Diarrhea, constipation Abdominal pain

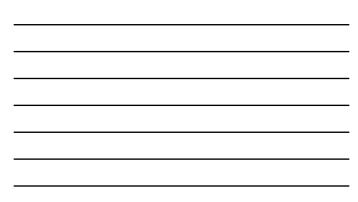


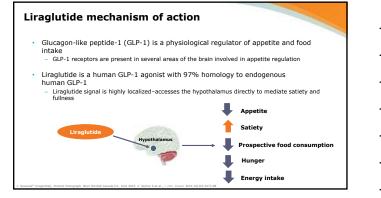


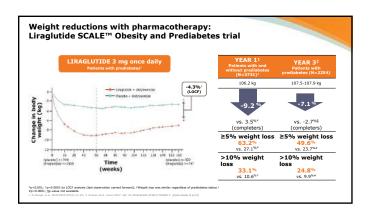




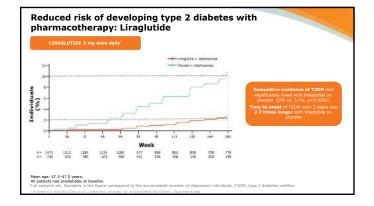


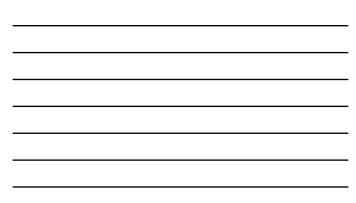












HOW do we treat obesity? Bariatric Surgery



Indications for bariatric surgery

- BMI ≥40 kg/m² without coexisting medical problems or
- BMI ≥35 kg/m² and 1+ severe obesity-related comorbidities (T2DM, HTN, OSA, OHS, NAFLD, NASH, pseudotumor cerebri, GERD, asthma, venous stasis dz, severe urinary incontinence, debilitating OA, considerable impaired QoL)
- And have failed attempts at diet/exercise, are motivated and well informed

Relative contraindications to bariatric surgery

- Severe HF, unstable CAD, end-stage lung disease, active cancer, cirrhosis
- . Bulimia nervosa, binge-eating disorder
- Active substance abuse •
- Severely impaired intellectual capacity
- · Pregnant or planning to be within 12 months Smoking (some consider this complete contraindication)
- Active PUD (defer surgery until healed)
- Age >65 years (limited evidence-program dependent)
- . BMI >60 kg/m² (refer to specialized centre)
- Crohn's disease relative contraindication for RGB, BPD

Comorbidity resolution

American Society of Metabolic and Bariatric Surgery (ASMBS) data for all procedures:

Condition/Disease	Mesolved or Improved	% Resolved
Type 2 Diabetes	86	76.8
Hypertension	78.5	61.7
Obstructive Sleep Apnea	85.7	83.6
Hyperlipidemia	78.5	61.7

Roux en Y has greater type 2 diabetes remission at mean 83% versus mean 53% for Sleeve gastrectomy No significant difference was found remission between 3 techniques for HTN, GERD, OSA

Effect on life expectancy

- Patients with BMI \geq 30 kg/m² have 50-100% increased risk of premature death
- Bariatric surgery increases lifespan:
 RGB can increase life expectancy by 89%

 - Risk of premature death reduced by 30-40%
 - 60% ↓Mortality from Cancer (especially breast and colon) 56% ↓Mortality from CAD 92% ↓Mortality from DM2

Mortality

- American Society of Bariatric and Metabolic Surgery:

 overall mortality rate ~0.1% (in comparison: Cholecystectomy ~0.7%, hip replacement ~0.93%)
- SAGES: overall mortality ${\sim}0.1\%$ for gastric banding, 0.5% RGB, 1.1% BPD



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Ancillary Session at the Family Medicine Forum | CERT+ Session ID# 186109-074

Evaluation Form

Date: Thursday, November 9, 2017 at 12:30 p.m. Location: Palais des congrès, Montreal

Please rate the question in this evaluation according to the following scale:

1-Strongly disagree	2-Disagree	3-Neutral	4-Agree	5-Strongly agree			
The ProgramThe program content enhanced my knowledge.1The program was relevant to my practice.1The program met the stated learning objectives.1The program addressed a gap in my knowledge.1The program was well organized.1Adequate time was allotted for interaction and discussion.1				2 2 2 2 2 2 2 2	3 3 3 3 3 3	4 4 4 4 4	5 5 5 5 5 5 5
The Presenter The presenter delivered the content clearly. Questions and discussions were well moderated. Time was efficiently managed.				2 2 2	3 3 3	4 4 4	5 5 5
Please indicate which Ca (select all that apply)	nMEDS-FM roles	s you felt were	addressed d	luring th	is educa	ational	activity.
Family Medicine Expert Communicator	Collaborato		Scholar Professional	M	anager		
Did the activity respect the « Ethical code of CME Providers ¹ »? Yes No If not, please explain (Ref.: 1. http://www.cemcq.qc.ca)							
Did you perceive any degree of bias in any part of the program? Yes No If yes, please explain:							
Please describe what you felt was the most effective part of the program.							
Please identify an important concept/idea that you learned.							
How will you change your pra	actice based on w	hat you learned	today?				
2. Do you have any other learni	ing needs related	to this topic?					
Other comments or suggest	ions about any as	spect of the prog	gram:				