



CCRN
Canadian Collaborative Research Network



Optimizing Patient-Centred Obesity Care

Approach, Engage and Manage

Faculty/Presenter Disclosure

Alexandro R. Zarruk MD; M.Sc; FRCPC; FACP; dABIM; dABOM

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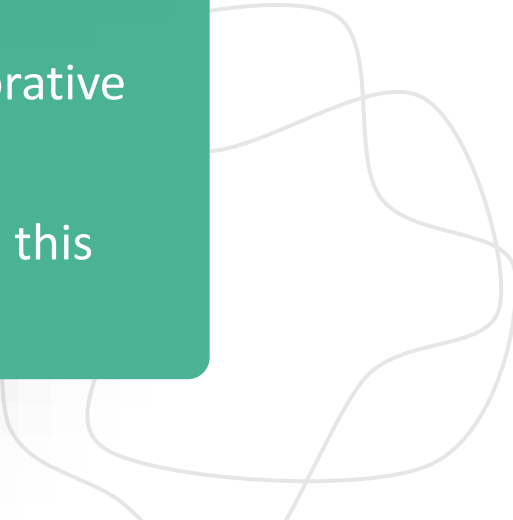
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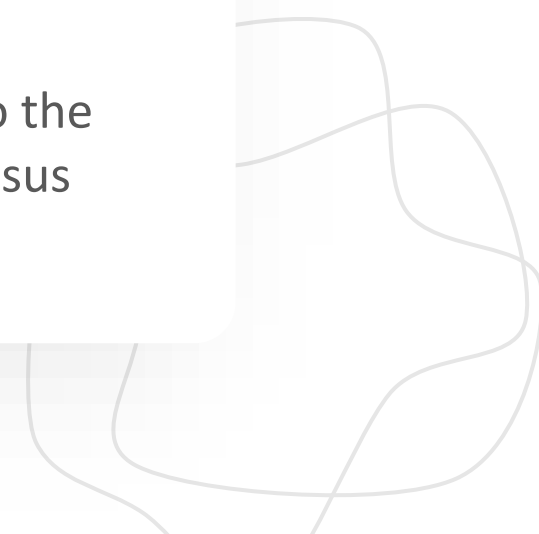
Potential for conflict(s) of interest:

- **Alexandro Zarruk** has received honorarium from the Canadian Collaborative Research Network
 - Novo Nordisk Canada has developed products that will be discussed in this program
- 



Mitigating Potential Bias

The scientific planning committee used the following steps to mitigate potential bias in this program:

- The content of this program was developed by the scientific planning committee and peer reviewed by experts.
 - Recommendations involving clinical medicine are based on evidence that is accepted within the profession.
 - All scientific research referred to, reported, or used in the program in support or justification of patient care recommendations conforms to the generally accepted standards, clinical practice guidelines, and consensus statements.
- 

Planning Committee

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MD, PhD, FRCPC, FTOS

Professor emeritus of Medicine
University of Calgary Cumming
School of Medicine
Calgary, AB

Faculty

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Courcelette, QC

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Family Physician

Woodbridge, ON

Melanie MacNeil, MD, CCFP, ABOM, CBE

Family Physician

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(FMOQ Representative)

Family Physician

La Malbaie, QC

Learning Objectives

01

Determine an effective way to initiate a discussion with a patient with overweight/obesity on strategies to improve overall health

02

Assess the health of a patient with overweight/obesity based on current guideline recommendations

03

Define which patients could benefit from different management options

04

Individualize the management of obesity for a specific patient through a shared-decision process



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Module 1

Engage and Assess the Person with Overweight or Obesity



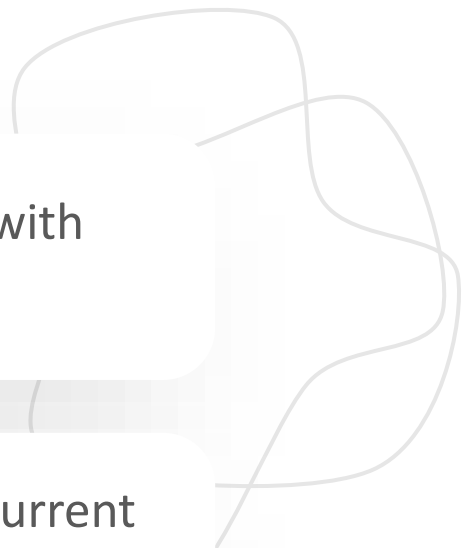

Learning Objectives

01

Determine an effective way to initiate a discussion with a patient with overweight/obesity on strategies to improve overall health

02

Assess the health of a patient with overweight/obesity based on current guideline recommendations





Polling Question

How frequently do you initiate an obesity discussion with a patient with elevated weight?

- a) Always
- b) Most of the time
- c) Sometimes
- d) Rarely
- e) Never





Polling Question

Which of the following statements are TRUE?
(select all that apply)

- a) Obesity can be managed easily with lifestyle changes and some willpower
- b) Shaming patients about their weight can motivate them to lose weight
- c) Obesity requires a lifelong management strategy
- d) The primary goal for obesity management is at least a 10% weight reduction
- e) Most patients just want to be offered support and options to manage their obesity





“Obesity is a complex chronic disease in which abnormal or excess body fat (adiposity) impairs health, increases the risk of long-term medical complications and reduces lifespan ”



Most patients with obesity are **not offered a plan to manage their obesity**, although their obesity-related comorbidities are managed.



There are **biologic processes** underlying eating and hunger that make obesity management difficult, and not solely a willpower or lifestyle issue.



Managing obesity requires a **lifelong process**, but clinicians commonly **struggle with initiating the discussion** with their patients.

There are Both Patient and Clinician Barriers to Obesity Management



Patient

- Obesity is not recognized as a chronic and relapsing disease
- Misbelief and misinformation about obesity management
- Environmental factors
- Cost of treatment
- Comorbidities and medications (E.g., mental health, sleep disorders, pain, cardiopulmonary disease)



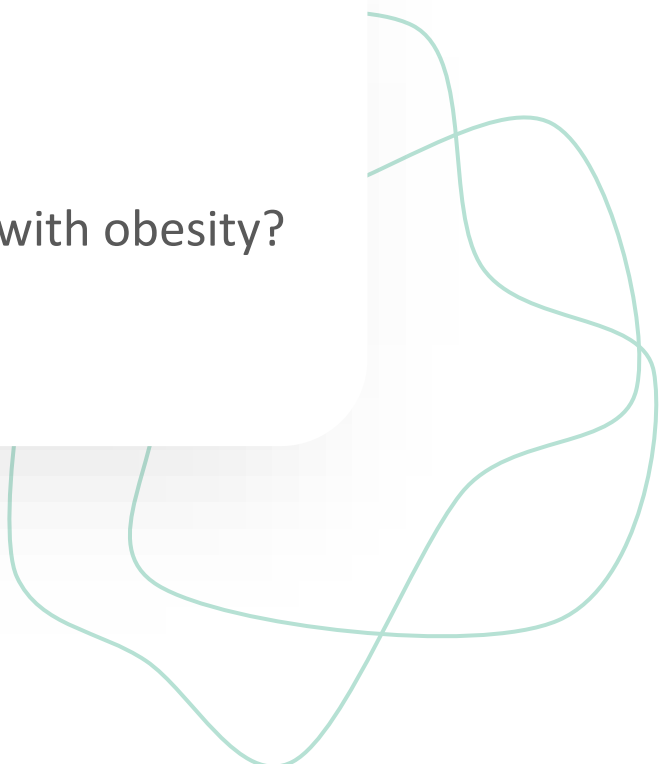
Clinician

- Lack of time during consultations
- Insufficient training and counselling skills for obesity
- Lack of formal diagnosis of obesity
- Misconception that obesity management is too time-consuming



Many Barriers Can Be Overcome With a Simple Approach

Questions to consider:

1. Who is a candidate for discussing obesity?
 2. How do we effectively approach these patients?
 3. What is the guideline-recommended method of assessing people with obesity?
 4. What can be implemented in practice tomorrow?
- 

Who is a Candidate for Discussing Obesity?



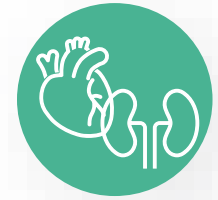
Mentions
topic of weight



New diagnosis
and elevated BMI



High
weight trajectory



Obesity-related
comorbidities

Start earlier: Most discussions regarding obesity occur
after the patient has one or multiple comorbidities.

When Approaching Patients...

Recognize Stigma

Many people with obesity experience **stigma** due to their weight which negatively impacts:

- Physical health
- Mental health
- Relationship with provider

Language Matters

Use person-first language

- “Person with obesity”
- Preferred terms are “**weight**” or “**unhealthy weight**”

Avoid terms such as:

✗ Fat, obese, morbidly obese

Remember: Obesity is a chronic disease
Communicate like you would with any other person with a chronic disease

When Approaching Patients...



Do's

- ✓ **Ask permission** to discuss weight
- ✓ **Acknowledge** that obesity management is difficult



Don't

- ✓ Do not **threaten** or **provoke** guilt
- ✓ Do not **make assumptions** about lifestyle or motivation
- ✓ Do not **assume** that they will be ready to address their weight

Asking Permission is the First Step

Would it be ok if we talked about your weight today?

01

“Would it be ok to take your weight at this time?”

02



03

“On a scale from 0 to 10, how important is it for you to address your weight and its impact on your health at this time?”

04

“Do you have any concerns about your weight?”



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Individualizing the Approach

Meet Rajinder

How would you approach the topic of obesity?

- a) “You have to lose some weight. Your health conditions are caused by your excess weight”
- b) “Would it be ok if we discussed your weight and its impact on health?”
- c) “Can we talk about how you can change your diet and lifestyle to lose weight?”
- d) I would not approach this conversation with Rajinder as his BMI is 28 kg/m²



Background

- 52 years old
- Hypertension, dyslipidemia X 10 years
- Obstructive sleep apnea X 2 years



Medications

- Candesartan 8 mg daily
- Atorvastatin 20 mg daily
- Indapamide 1.25 mg daily



Assessment

- BMI = 28 kg/m²
- BP = 132/84 mmHg
- LDL-C = 1.7 mmol/L



Discussion

- Patient is feeling well, in for refills

Meet Peter

How would you approach the topic of obesity?

- a) “Peter, do you want to do something about your weight, so you don’t end up like your parents?”
- b) “Your weight is getting up there, do you want to do something about it?”
- c) “Peter, do you have any concerns regarding your weight?”
- d) I would not approach Peter as he has no health conditions that would warrant treatment



Background

- 24 years old
- No medical conditions
- Strong family history of obesity and type 2 diabetes



Medications

- None



Assessment

- BMI = 32 kg/m²



Discussion

- Feeling well
- No health issues
- Weight has not impacted his abilities

Meet Amanda

How would you approach the topic of obesity?

- a) “Amanda, what’s happening? You have gained weight so quickly.”
- b) “Amanda, would you like to discuss the change in your weight?”
- c) “Do you have any concerns regarding your weight?”
- d) I would not approach Amanda as her BMI is too low



Background

- 34 years old
- Asthma x 28 years
- Strong family history of hypertension and type 2 diabetes



Medications

- Fluticasone 125 mcg BID
- Salbutamol 200 mcg QID PRN



Assessment

- BMI = 26 kg/m²
- Patient has 7% body weight gain in the last 8 months



Discussion

- In to see primary care clinician for refill of inhalers

Practice Tips

"Let's book another appointment to discuss your weight. This is important and I want to make sure we have enough time to discuss it."



Engage

- **Asking** about weight is the first step
- Emphasize weight loss **tools** available



Take Time

- Consider a **separate appointment** for weight management



Be Supportive

- **It's OK** if the patient doesn't want to discuss weight
- Let them know another appointment can be made **if they want help and support**

Assessment of Person with Obesity Begins with Their Weight Story

What to consider:

1. Onset of weight gain
2. Highest and lowest weight
3. Previous weight loss attempts, what worked and what didn't
4. Triggers for weight gain
5. Impact of weight on quality of life
6. Thoughts on management, goals and what a successful plan would look like

Show compassion, listen, and help the patient make sense of their story



Physical Activity

- Are you as active as you would like?



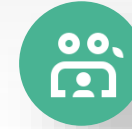
Mood

- How would you describe your mood?
- Do you feel that your mood can sometimes dictate your food choices?



Nutrition

- Current literacy, physiological hunger, emotional eating
- Do you take in high-sugar beverages?
- Are you generally eating the way you would like to, most of the time?



Family Hx

- Do you have family member(s) who have difficulty with being at a higher weight?



Sleep Hx

- How many hours do you sleep?
- Do you wake up feeling well-rested?

Other Components of Obesity History

Guideline Recommended Examination of Person with Obesity



Vital signs: BP, heart rate (HR)



Anthropometric measurements:

Weight, height, body mass index (BMI), waist circumference



Head and Neck: Thyroid exam, signs of Cushing's or polycystic ovary syndrome (PCOS) including acne, hirsutism



Cardiorespiratory: HR and rhythm, signs of heart failure



Gastrointestinal: Umbilical/incisional hernias, screen for chronic liver disease



Musculoskeletal: Gait exam, signs of OA, gout



Skin: Candida, intertrigo, skin tags, psoriasis, acanthosis nigricans, abdominal striae



Lower limbs: Lymphedema, lipedema, venous insufficiency, ulcers, stasis, thrombophlebitis

Laboratory Recommendations for Obesity

Consider for **most patients**

- HbA1c
- Electrolytes
- Creatinine, eGFR
- Lipid panel – total, HDL-C, triglycerides
- Alanine aminotransferase (ALT) if indicated
- Age-appropriate cancer screening

Consider, if **clinically indicated**

- Complete blood count (CBC)
- Uric acid
- Assessment of iron (total iron binding capacity (TIBC), % saturation, serum ferritin, serum iron)
- Vitamin D levels
- Urinalysis
- Proteinuria
- Cushing's syndrome (ACTH, dexamethasone suppression test)
- Acromegaly (GH, IGF-1)

Consider in **women with obesity and symptoms of PCOS**

- Luteinizing hormone (LH)
- Follicle stimulating hormone (FSH)
- Total testosterone
- Dehydroepiandrosterone (DHEAS)
- Prolactin
- 17-hydroxyprogesterone levels

Medications Associated with Weight Gain and Possible Alternatives

Category	Examples of Drugs Associated with Weight Gain	Possible Alternatives
Neuroleptics	Olanzapine, quetiapine, risperidone, clozapine, haloperidol	Ziprasidone, lurasidone, aripiprazole
Tricyclic antidepressants	Amitriptyline, nortriptyline, doxepin	Will depend on the reason for use
Selective serotonin reuptake inhibitors	Paroxetine, citalopram	Fluoxetine, sertraline, bupropion, duloxetine, venlafaxine
Other antidepressants and mood stabilizers	Mirtazapine, phenelzine, lithium	Another antidepressant class
Anticonvulsants	Valproate, carbamazepine, gabapentin	Topiramate, lamotrigine
Antihyperglycemic medications	Insulin, sulfonylureas, thiazolidinediones (TZD's)	Acarbose, metformin, GLP-1 agonists, SGLT2 inhibitors, DPP4 inhibitors
Antihistamines	First-generation products	Second-generation antihistamines
Beta-blockers	Propranolol	ACE inhibitors, ARB, calcium channel blockers
Steroid hormones	Contraceptives, glucocorticoids	Other contraceptive devices, and will depend on indication for glucocorticoids

Rueda-Clausen C, Poddar M, Lear SA, Poirier P, Sharma AM. Canadian Adult Obesity Clinical Practice Guidelines: Assessment of People Living with Obesity. Published online August 4, 2020. Accessed August 4, 2020 [<https://obesitycanada.ca/guidelines/assessment>]

Wharton S, Raiber L, Serodio K, Lee J, Christensen RA. Medications that cause weight gain and alternatives in Canada: a narrative review. *DMSO*. 2018;Volume 11:427-438. doi:10.2147/DMSO.S171365

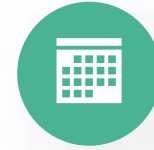
In Practice: Set the 'Best Weight' Goal



An **individualized**, non-statistical goal that is easy to set and explain to patients



The weight that is **achievable** while living the healthiest lifestyle the person can enjoy



Long-term weight reduction requires a plan to help individuals enjoy the healthiest lifestyle that can be maintained long-term

Value-Based Goals and Focus on Health

What is something that you can't do today that you would like to do if you lost weight?

I would like to travel more and explore the world. I just don't have the energy to do it now.

What a great goal, I think we can work towards this.



What You Can do in Practice Tomorrow



Engage patients in a discussion regarding obesity

- Address early, before significant comorbidities develop
- Many patients can benefit from obesity management
- Assess these patients like you would with other chronic diseases



Ask permission to discuss weight, and consider booking a separate appointment



Watch the language used, be respectful, non-judgmental and don't belittle or shame the patient



Each patient requires a customized approach based on the current situation



Focus on impact of weight on health and the benefits of evidence-based management



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Module 2

Managing Obesity in Your Practice



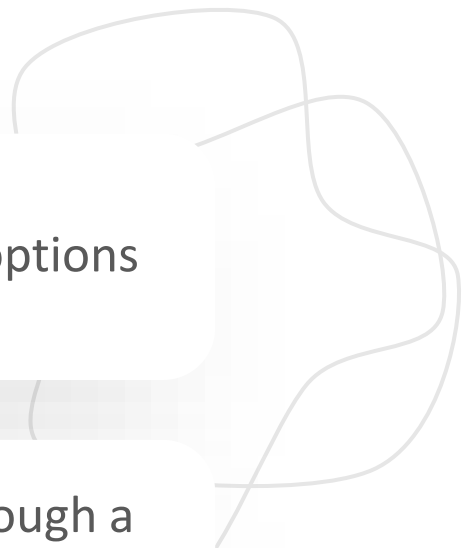

Learning Objectives

01

Define which patients could benefit from different management options

02

Individualize the management of obesity for a specific patient through a shared-decision process



Obesity Clinical Practice Guidelines

01

Sections updated in **October 2022**

- Medical Nutrition Therapy
- Pharmacotherapy

02


Many **different management options**

- Psychological interventions
- Pharmacotherapy
- Bariatric surgery

03

Behavioural changes (**diet and exercise**)

- Recommended for everyone
- Can lead to improvement in cardiometabolic parameters
- Weight loss typically achieved is between 3% to 5%
- Biologic compensatory mechanisms that limit weight reduction through these changes

The image features a solid teal background. In the top-left corner, there is a small, light green line-art sketch of a flower or leaf. In the bottom-right corner, there is a larger, more complex light green line-art sketch that resembles a stylized plant or abstract shape. The text is centered and written in a white, sans-serif font. It consists of a single paragraph with several words in bold: 'Behaviour changes', 'all patients', 'will not', and 'weight reduction'.

Behaviour changes are recommended for **all patients**, but in most cases **will not** lead to significant **weight reduction** due to physiologic adaptation and adherence difficulties.

Meet Richard

Which of the following options would you consider?

- a) Low carb or ketogenic diet
- b) 150 minutes of walking per week
- c) Psychological interventions
- d) Orlistat
- e) Naltrexone/bupropion
- f) Liraglutide
- g) Semaglutide
- h) Nothing at this point



Background

- 48 years old
- BMI = 28 kg/m²



Medications

- Candesartan 8 mg daily
- Atorvastatin 20 mg daily



Discussion

- Tried to lose weight in the past
- History of weight cycling due to diet and exercise changes
- Frustrated with current weight and wants to know if there are other options



Polling Question

What key factor do you consider most when selecting obesity treatment for a patient?

- a) Efficacy in weight reduction
- b) Efficacy in improving health outcomes
- c) Safety
- d) Adherence
- e) Patient preference
- f) Cost





Polling Question

What do you feel is the most significant barrier to obesity management in your practice?

- a) Lack of patient interest in treatment
- b) Patients wanting to focus mainly on diet and exercise
- c) Cost of treatment
- d) Lack of clinician training about obesity and its treatments
- e) Lack of time for obesity consultations
- f) Weight regain with treatments
- g) Adverse effects of treatments



What if?

What if Richard was only 28 years old, with a BMI of 33 kg/m² and no comorbidities?
What treatment would you consider?
(select all that apply)

- a) Low carb or ketogenic diet
- b) 150 minutes of walking per week
- c) Psychological interventions
- d) Orlistat
- e) Naltrexone/bupropion
- f) Liraglutide
- g) Semaglutide
- h) Nothing at this point



Background

- 28 years old
- BMI = 33 kg/m²



Medications

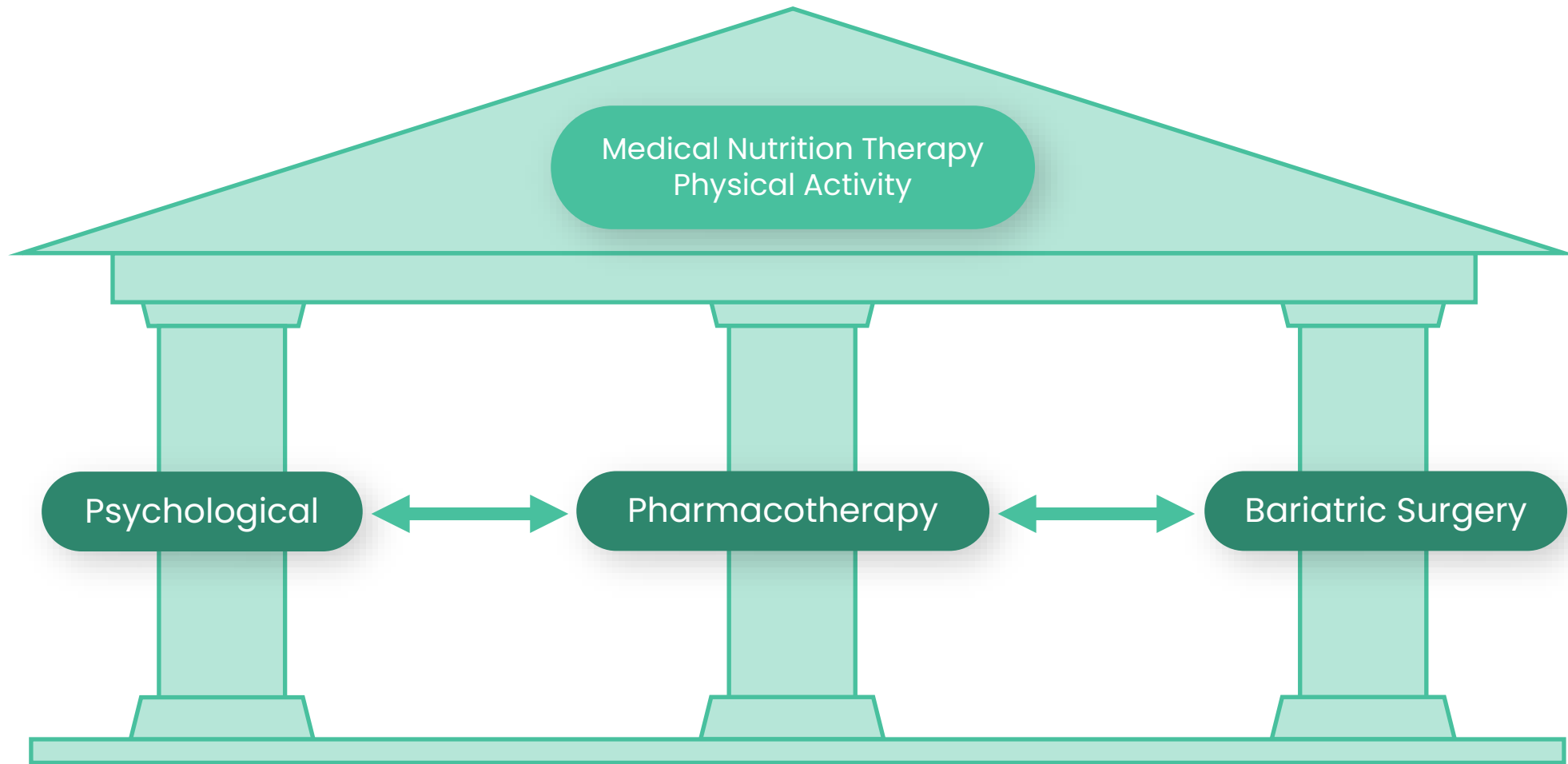
- None



Discussion

- Tried to lose weight in the past
- History of weight cycling due to diet and exercise changes
- Frustrated with current weight and wants to know if there are other options

The 3 Pillars of Obesity Treatment



Pillar 1: Psychological Therapy



- ✓ Incorporate multi-component psychological interventions:
 - Behaviour modification
 - Cognitive therapy
 - Values-based strategies
- ✓ Promote sustainable changes that increase positive self-esteem and confidence, and improve health, function and quality of life
- ✓ Focus on achievable results, not on idealized hopes

Psychological Therapy: What does this mean?



Psychological

✓ Behavioural therapy:

- Behavioural substitution ➡ *'instead of going to the pantry, I will....'*
- Self monitoring ➡ journaling
- Stimulus control ➡ E.g. the break room at work
- Goal setting ➡ *'I would like to be able to.....'*

✓ Cognitive therapy:

- Problem solving ➡ E.g. navigating the road home from work past fast food
- Cognitive restructuring ➡ recognize and change negative thinking; E.g. self-bias
- Rather than focusing on having what you want ➡ *want what you have*

Pillar 2: Obesity Pharmacotherapy



Pharmacotherapy

- ✓ Pharmacotherapy is indicated for chronic weight management in Canada for **individuals with a BMI ≥ 30 kg/m², or ≥ 27 kg/m² with comorbidities associated** with excess body fat (e.g. Type 2 diabetes, hypertension, dyslipidemia)
- ✓ Four medications are recommended for chronic obesity management in Canada, in addition to healthy behaviour changes:
 - Liraglutide (Saxenda[®]) 3.0 mg
 - Naltrexone/bupropion (Contrave[®])
 - Orlistat (Xenical[®])
 - Semaglutide (Wegovy[®]) 2.4 mg*

** Semaglutide 2.4mg once-weekly is Health Canada approved, but not yet commercially available

Pedersen SD, Manjoo P, Wharton S. Canadian Adult Obesity Clinical Practice Guidelines: Pharmacotherapy in Obesity Management. Published online August 4, 2020. Accessed August 4, 2020. <https://obesitycanada.ca/guidelines/pharmacotherapy>

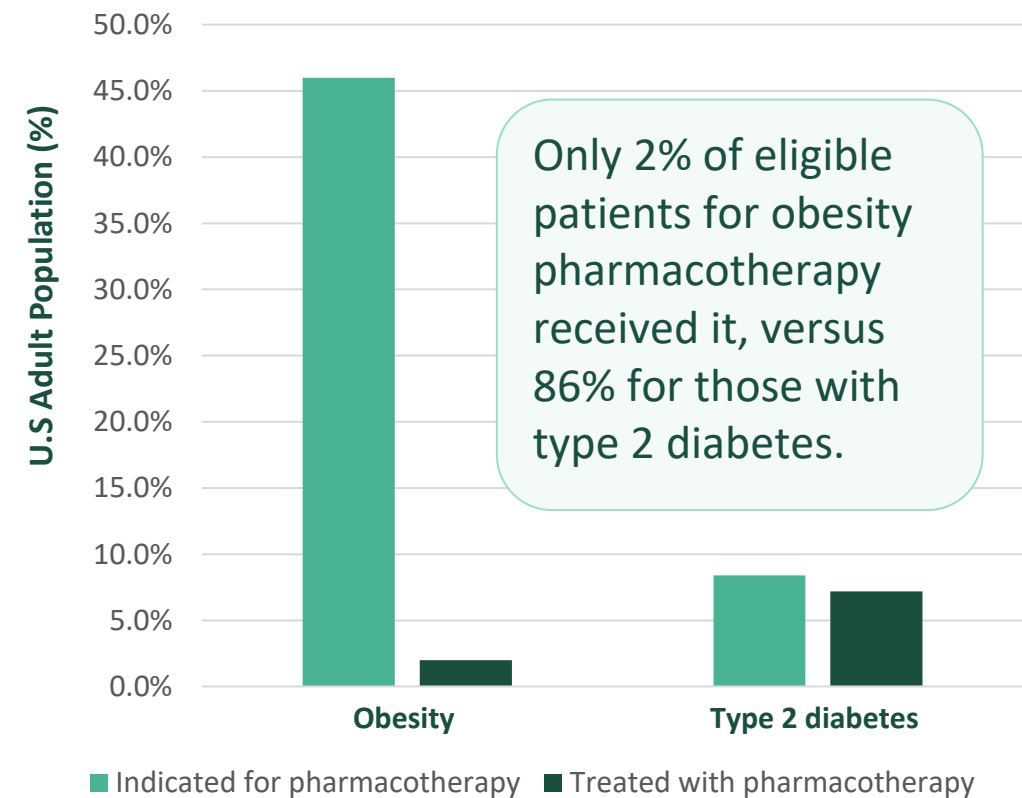
Few Patients are Offered Treatment Despite Guideline Recommendations

When compared to Type 2 diabetes:

- Only a small proportion of eligible patients are prescribed obesity pharmacotherapy

Low adoption rate suggests significant patient, physician and systemic barriers, and highlights a huge unmet need

Indicated versus Prescribed Pharmacotherapy



Liraglutide 3.0 mg Summary

GLP-1 Receptor Agonist



Subcutaneous
Injection



Dosing

Start **0.6 mg** daily
↑ by **0.6 mg** each week until
3 mg dose daily is reached



Drug Interactions

Slows gastric emptying,
which could affect absorption
of oral medications



Contraindications

History of:
Medullary thyroid cancer, or
Multiple endocrine neoplasia
type 2



Adverse Effects

GI adverse effects
(E.g. nausea, abdominal
bloating, constipation,
diarrhea, vomiting)



Can be **mitigated by:**

- Slower up-titration
- Diet with less fat and processed foods

Naltrexone/Bupropion Summary

Opioid antagonist and dopamine/norepinephrine reuptake inhibitor



Oral
administration



Dosing

8 mg/90 mg ER tablets

Week 1: 1 tablet daily

Week 2: 1 tablet twice daily

Week 3: 2 tablets in AM, 1
in PM

Week 4+: 2 tablets twice
daily



Drug Interactions

- Inhibits CYP2D6.
 - Caution with CYP2B6 inhibitors, avoid with CYP2B6 inducers
- Caution with SSRIs, beta blockers, anti-psychotic agents, type 1C antiarrhythmic agents, many tricyclic antidepressants
- Avoid with tamoxifen



Contraindications

Uncontrolled hypertension, seizure disorder, bulimia/anorexia, chronic opioid use, pregnancy, severe hepatic impairment, end-stage renal disease



Adverse Effects

Nausea, constipation, headache, vomiting, dizziness, insomnia, dry mouth



Can be mitigated by:

- Slower up-titration
- Appropriate dosing

Orlistat Summary

Lipase Antagonist



Oral
administration



Dosing

120 mg three times per day
with meals



Drug Interactions

Fat soluble vitamins (A, D, E, K),
cyclosporine, warfarin,
antiepileptic drugs



Contraindications

Chronic malabsorption
syndrome, cholestasis, hepatic
failure, pregnancy /
breastfeeding



Adverse Effects

Abdominal discomfort,
flatulence, oily stools, oily
diarrhea

Semaglutide 2.4 mg Summary

GLP-1 Receptor Agonist



Subcutaneous
Injection



Dosing

0.25 mg SC weekly x 4 weeks
0.5 mg SC weekly x 4 weeks
1 mg SC weekly x 4 weeks
1.7 mg SC weekly x 4 weeks
2.4 mg once weekly



Drug Interactions

Slows gastric emptying,
which could affect absorption
of oral medications



Contraindications

History of:
Medullary thyroid cancer, or
Multiple endocrine neoplasia
type 2



Adverse Effects

GI adverse effects (E.g.
nausea, abdominal bloating,
constipation, diarrhea,
vomiting)



Can be **mitigated by:**

- Slower up-titration
- Diet with less fat and processed foods

Effect of Pharmacotherapy on Weight Loss

	Orlistat	Liraglutide 3.0 mg	Naltrexone/ Bupropion	Semaglutide 2.4 mg
Effect on % weight loss at 1 year, placebo subtracted	-2.9%	-5.4%	-4.8%	-12.5 %
% of patients achieving ≥5% weight loss at 1 year	54% (vs. 33% in placebo)	63.2% (vs. 27.1% in placebo)	48% (vs. 16% in placebo)	86.4% (vs 31.5% with placebo)
% of patients achieving ≥10% weight loss at 1 year	26% (vs. 14% in placebo)	33.1% (vs. 10.6% in placebo)	25% (vs. 7% in placebo)	69.1% (vs 12.0% with placebo)
Effect on maintenance of previous weight loss	2.4 kg less weight regain (vs. placebo over 3 years)	-6.0% additional placebo-subtracted weight loss at 1 year	Not studied	Not studied

Obesity-Related Comorbidities and Pharmacotherapy

	Orlistat	Liraglutide 3 mg	Naltrexone/bupropion	Semaglutide 2.4 mg
Effect on prediabetes	37.3% reduction in risk of developing T2DM over 4 years	79% reduction in risk of developing T2DM over 3 years	Not studied	Not studied
Effect on BP at 1 year*	-1.7 mmHg SBP -0.71 mmHg DBP	-2.87 mmHg SBP -0.73 mmHg DBP	Not significantly different	-5.1 mmHg SBP -2.4 mmHg DBP
Effect on Lipids at 1 year*	LDL -0.22 mmol/L HDL +0.03 mmol/L	LDL -0.08 mmol/L	HDL +0.06 mmol/L	TC -0.22 mmol/L LDL -0.1 mmol/L HDL +0.1 mmol/L TC -0.22 mmol/L
Effect on HR at 1 year*	No change	+2.4 BPM	+1.1 BPM	+4.2 BPM

* Placebo subtracted

Pedersen SD, Manjoo P, Wharton S. Canadian Adult Obesity Clinical Practice Guidelines: Pharmacotherapy in Obesity Management (2022 Update). Accessed October 29, 2022.

<https://obesitycanada.ca/guidelines/pharmacotherapy>

Obesity-Related Comorbidities and Pharmacotherapy

	Orlistat	Liraglutide 3 mg	Naltrexone/bupropion	Semaglutide 2.4 mg
Effect on A1C in people with diabetes at 1 year*	-0.4%	-1.0%	-0.5%	-1.2%
Effect on MACE	Not studied	CV safety demonstrated	Not studied	Not available
Effect on NASH	No change	Resolution of NASH and improvement in steatosis (39% with liraglutide 3mg vs. 9% with placebo)	Not studied	Resolution of NASH (59% with semaglutide 0.4 mg daily vs. 17% with placebo)
Effect on PCOS	Not studied	Not sufficiently studied	Not studied	Not studied
Effect on OA	Not studied	No benefit	Not studied	Not available
Effect on OSA*	Not studied	↓ AHI by 6/hour	Not studied	Not studied

* Placebo subtracted. MACE, major adverse cardiovascular events; NASH, Nonalcoholic steatohepatitis; PCOS, Polycystic ovary syndrome; OA, osteoarthritis; OSA, obstructive sleep apnea
 Pedersen SD, Manjoo P, Wharton S. Canadian Adult Obesity Clinical Practice Guidelines: Pharmacotherapy in Obesity Management (2022 Update). Accessed October 29, 2022.
<https://obesitycanada.ca/guidelines/pharmacotherapy>

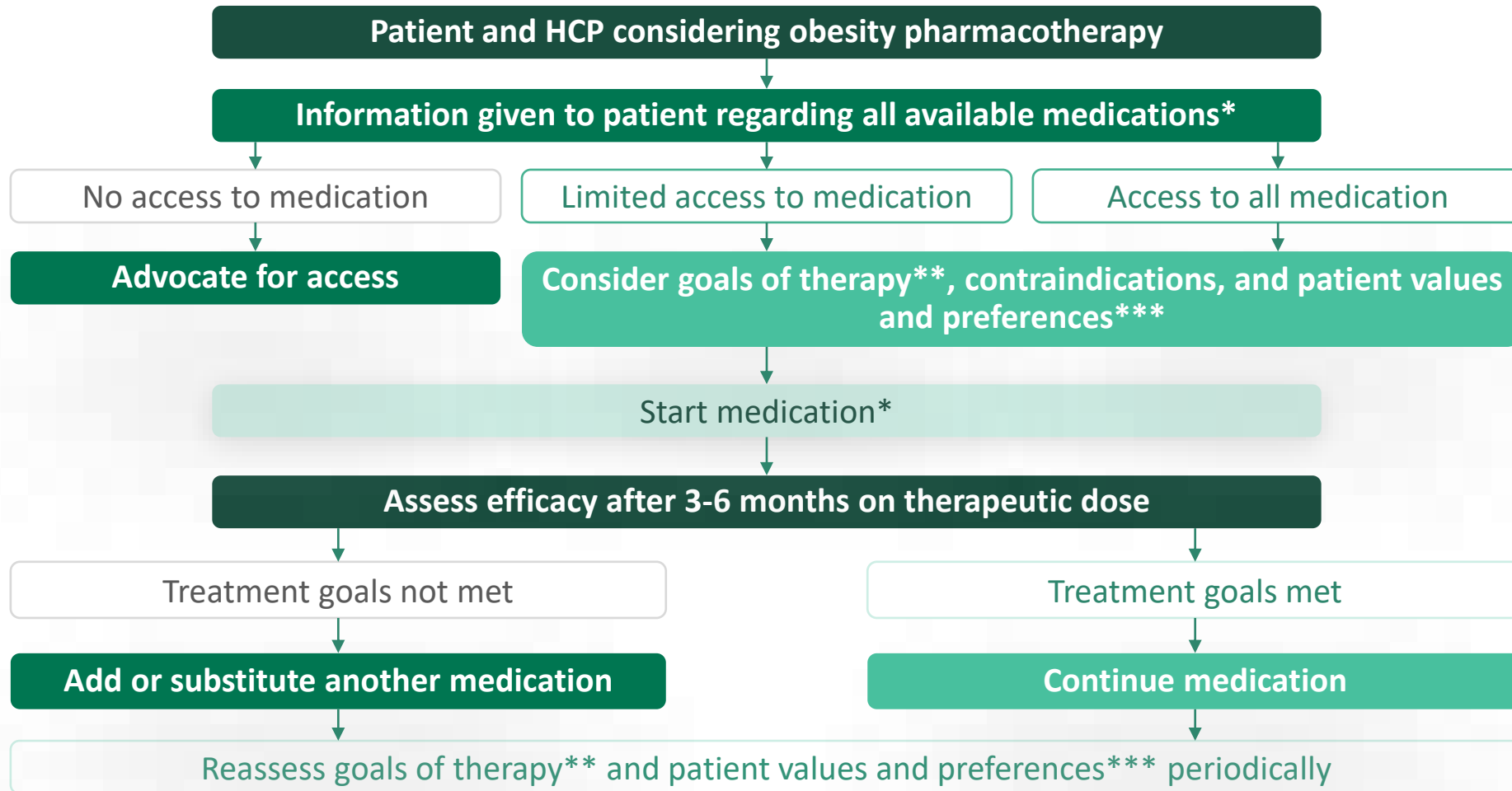
Obesity-Related Comorbidities and Pharmacotherapy

	Orlistat	Liraglutide 3 mg	Naltrexone/bupropion	Semaglutide 2.4 mg
Effect on physical function	Not studied	SF-36 – Improvement IWQOL – Improvement	IWQOL – Improvement	SF-36 – Improvement IWQOL – Improvement
Effect on QoL	Not studied	SF-36 – Improvement IWQOL – Improvement	IWQOL – Improvement	SF-36 – Improvement IWQOL – Improvement
Effect on CoEQ (cravings)	Not studied	Not studied	Improvements in craving control, positive mood, craving for sweet and savoury food	Improvements in craving control, positive mood, craving for sweet and savoury food

* Placebo subtracted

Pedersen SD, Manjoo P, Wharton S. Canadian Adult Obesity Clinical Practice Guidelines: Pharmacotherapy in Obesity Management (2022 Update). Accessed October 29, 2022.
<https://obesitycanada.ca/guidelines/pharmacotherapy>

Obesity Canada CPG 2022 Pharmacotherapy Algorithm



* Medications approved in Canada as of June 2022: Liraglutide 3 mg daily, Naltrexone/Bupropion 16/180 mg bid, Orlistat 120 mg tid, Semaglutide 2.4 mg weekly

** Treatment of comorbidities, percentage and durability of weight loss

*** Including cost, frequency, route of administration and tolerability

Pedersen SD, Manjoo P, Wharton S. Canadian Adult Obesity Clinical Practice Guidelines: Pharmacotherapy in Obesity Management (2022 Update). Accessed October 29, 2022.

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“How Long Do I Stay on Pharmacotherapy?”

Obesity is a chronic disease and many patients will need to stay on medication to maintain weight loss; pharmacotherapy is intended as part of a long-term treatment strategy



If > 5% weight loss not achieved after 3 months on full/max tolerated dose

- Examine previous weight trajectory and factors that could be impeding weight loss efforts
- Consider a different medication if no other evident etiologies are apparent for lack of success

“My Weight Loss with Treatment has Stopped”



Weight loss plateau will occur with pharmacotherapy or any other obesity management intervention.

Frame the importance of health goals

- Focus on health instead of numbers on the scale
- Identify if obesity management goals have been reached

Managing Plateauing

- Educate on the goals of therapy
- Focus on their “Best Weight”
- Consider changing to another pharmacotherapy if goals have not been reached

“This Medication is Causing Side Effects”

Medication	Adverse effect	Strategies
Liraglutide Semaglutide	GI-related – Nausea	<ul style="list-style-type: none">• Titrate dosage based on product monograph• Eat slowly, smaller portions, stop eating when full and stay hydrated• Avoid fatty/fried or overly sweet or spicy foods
Naltrexone/ bupropion	Dry mouth Insomnia	<ul style="list-style-type: none">• Drink plenty of fluids• Titrate as per product monograph, not taking afternoon dose late in the evening
Orlistat	GI-related – oily stools Micronutrient deficiency	<ul style="list-style-type: none">• Avoid eating fatty foods• Take multivitamin at bedtime

Pillar 3: Bariatric Surgery



Bariatric Surgery

- ✓ Bariatric surgery is considered in a patient with a:
 - BMI ≥ 40 kg/m²
 - BMI ≥ 35 kg/m² with an obesity-related comorbidity (E.g. diabetes, cardiovascular disease, sleep apnea)
- ✓ It is the most effective weight reduction intervention and is associated with significant improvement in comorbidities and mortality risk
- ✓ Access, referrals, and wait time to this treatment are issues in most parts of Canada

Managing Richard

Clinical considerations:

- Has tried behavioural therapy in the past
- Candidate for obesity pharmacotherapy due to overweight BMI and comorbidities

Course of action

- Discuss obesity pharmacotherapy options
- Jointly consider use of first-line GLP-1 RA (liraglutide, semaglutide)
- Review adverse effects
- Book follow-up



Background

- 48 years old
- BMI = 28 kg/m²



Medications

- Candesartan 8 mg daily
- Atorvastatin 20 mg daily



Discussion

- Tried to lose weight in the past
- History of weight cycling due to diet and exercise changes
- Frustrated with current weight and wants to know if there are other options

What you should do tomorrow



Review **evidence-based obesity management options** that can be offered in primary care.



Recommend **psychological therapy** to help patients adjust their thoughts associated with eating.



Offer **obesity pharmacotherapy** as an option to help patients manage their weight reduction goal.



Individualize obesity pharmacotherapy based on the **patient's preference and comorbidities**.



Consider **bariatric surgery** referral in patients who are candidates.