

Care After Weight Loss Surgery Obesity Update 2020





Faculty/Presenter Disclosure.

Faculty: Sarah Chapelsky, MD, FRCPC

Relationships with commercial interests:

- Grants/Research Support: N/A
- Speakers Bureau, Honoraria: Bausch Health, CPD Network, Novo Nordisk, Obesity Canada
- Consulting Fees: Bausch Health, Novo Nordisk, Enhance Health
- Other: N/A





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Learning objectives.



- Employ and sustain standard recommendations post-bariatric surgery including nutrition requirements, supplements and routine blood work.
- 2 Observe and employ medications post-bariatric surgery including medications for birth control, diabetes, lipids, blood pressure, thyroid management and anticoagulation.
- Recognize weight recidivism after bariatric surgery and implement an appropriate action plan based on definition, causes and assessment.









Which of the following statements is true?

- A. Jen needs less frequent nutritional screening because she had sleeve gastrectomy, rather than roux-en-Y gastric bypass.
- B. Jen needs more frequent nutritional screening because she is female.
- C. Vitamin A, D, E, and K monitoring is recommended after roux-en-Y gastric bypass, but not after sleeve gastectomy.
- D. None of the above.









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Screening after weight loss surgery.

Routine screening at 6 months, 12 months, and annually thereafter:

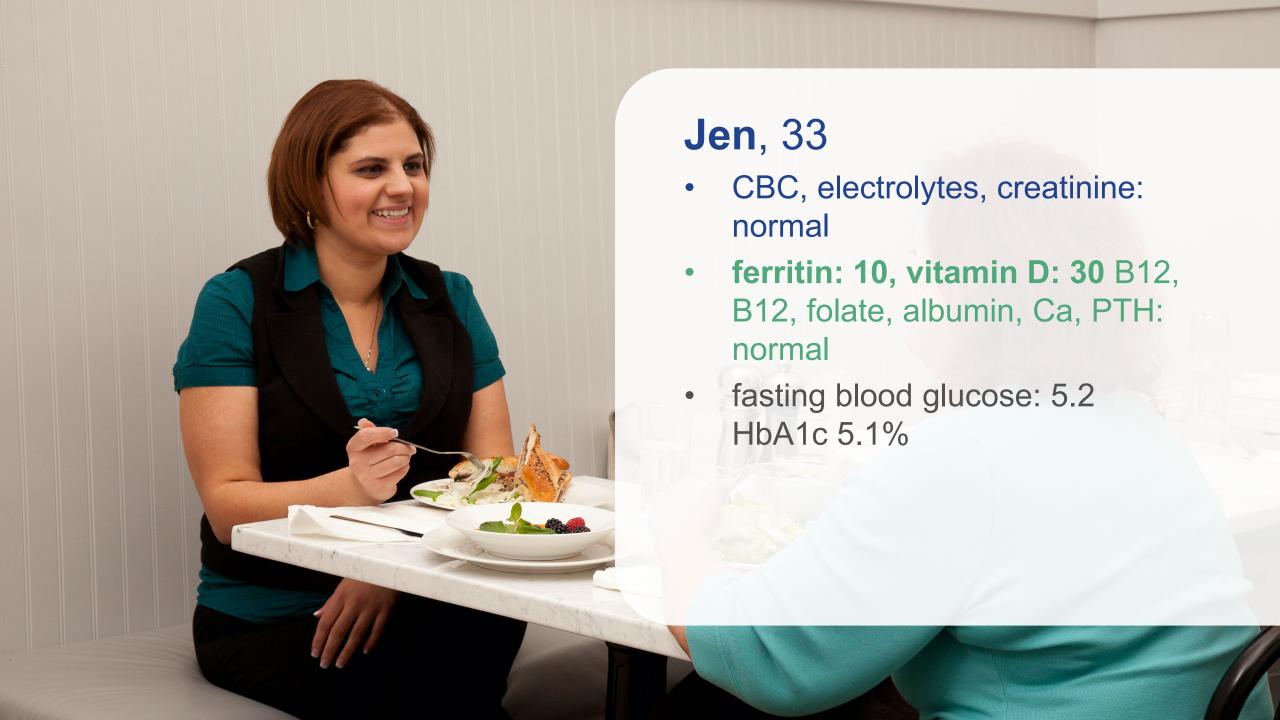
CBC and differential electrolytes creatinine

ferritin, B12, folate albumin, Ca, vitamin D level, PTH

Selected labs after bariatric surgery:

TSH fasting glucose, HbA1c lipid panel, urine ACR

in RYGB: vitamin A, copper, zinc





Which of the following treatments for iron deficiency anemia is <u>not</u> appropriate in patients that have had weight loss surgery?

- A. oral ferrous gluconate, sulfate, or fumarate
- B. iron polysaccharide complex
- C. intravenous iron infusion
- D. all of the above treatments can be considered







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Vitamin and mineral supplementation after weight loss surgery.

Multivitamin 2 tablets daily

Prenatal vitamin or bariatric multivitamin

Gummies not appropriate; carefully check formulations

Vitamin B12 350 - 500 mcg daily sublingually

Vitamin D 3000 IU daily, all sources

increase if needed to achieve normal serum value

Calcium 1200 - 1500 mg daily

Iron 18 mg; 45 – 60 mg in menstruating women

Eating after weight loss surgery.

DO

- ✓ Prioritize proteins and nutrients
- ✓ Choose small portions (1 – 1.5 cups per sitting)
- ✓ Eat slowly, chew well, be mindful
- ✓ Separate solids and liquids after food, wait 30 minutes before drinking

AVOID

- X High-sugar foods and beverages
- Challenging textures sticky, doughy, stringy, dry, touch
- Carbonated beverages



Jen asks you about birth control options. Which of the following statements is <u>true</u>?

- A. Oral contraception is unreliable after roux-en-Y gastric bypass.
- B. Oral contraception is unreliable after sleeve gastrectomy and roux-en-Y gastric bypass.
- C. Women should not become pregnant until at least 6 months after weight loss surgery.
- D. Women who have had weight loss surgery should never get pregnant.







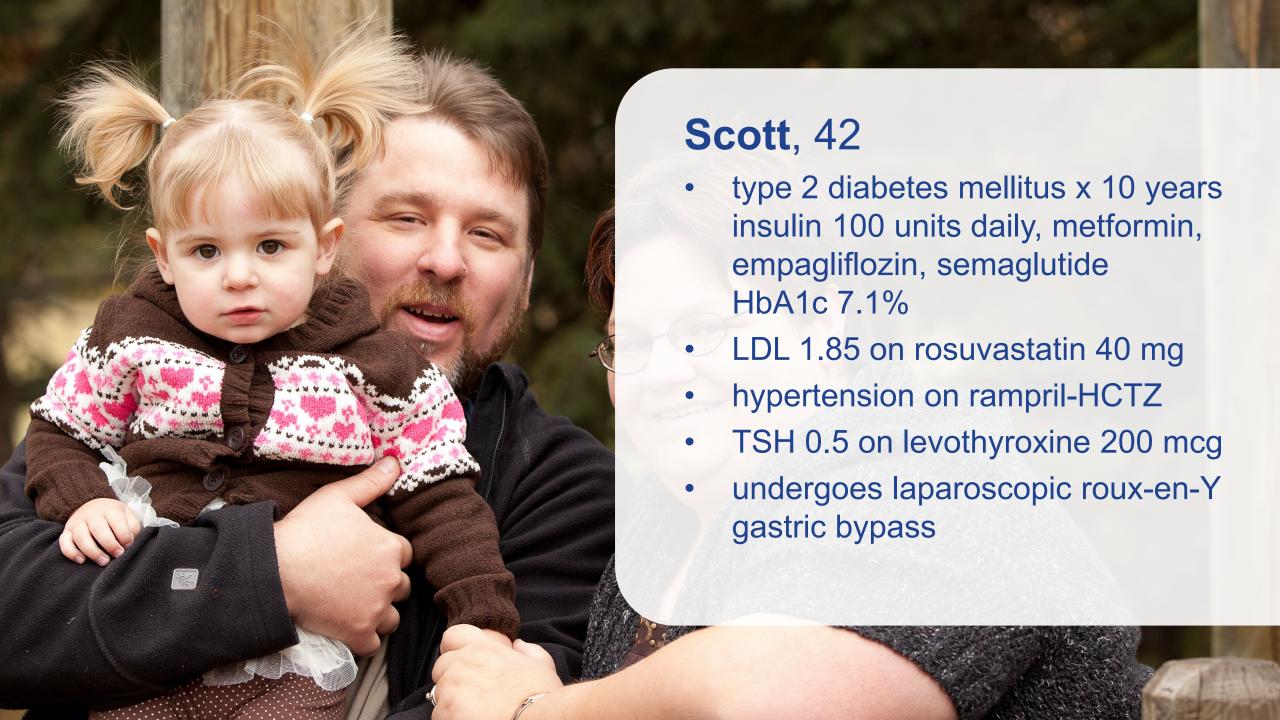


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Jen has a levonorgestrel-releasing IUD inserted.







Which if the following is true about lipid-lowering medications after roux-en-Y gastric bypass?

- A. Ezetimibe (but not statins) has limited benefit.
- B. Ezetimibe and statins have limited benefit.
- C. Statin dose may need to be increased to achieve target LDL.
- D. If diabetes goes into remission, statins prescribed for primary prevention should be discontinued.





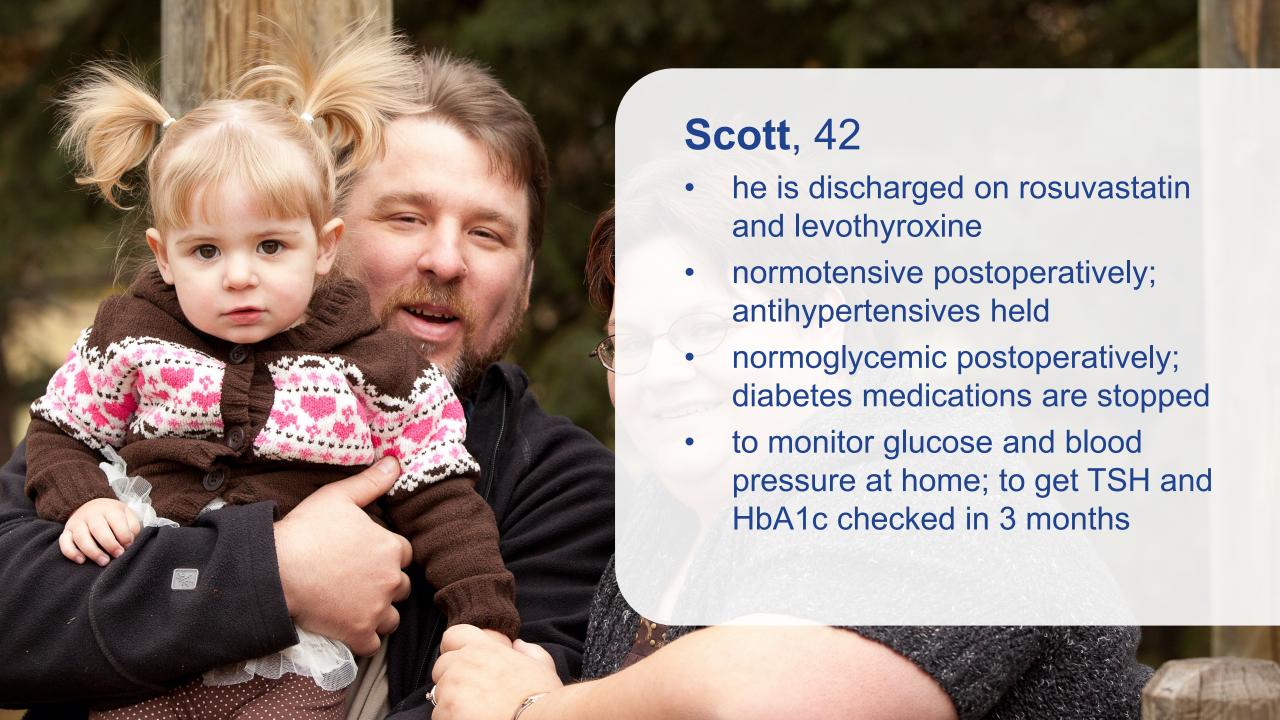


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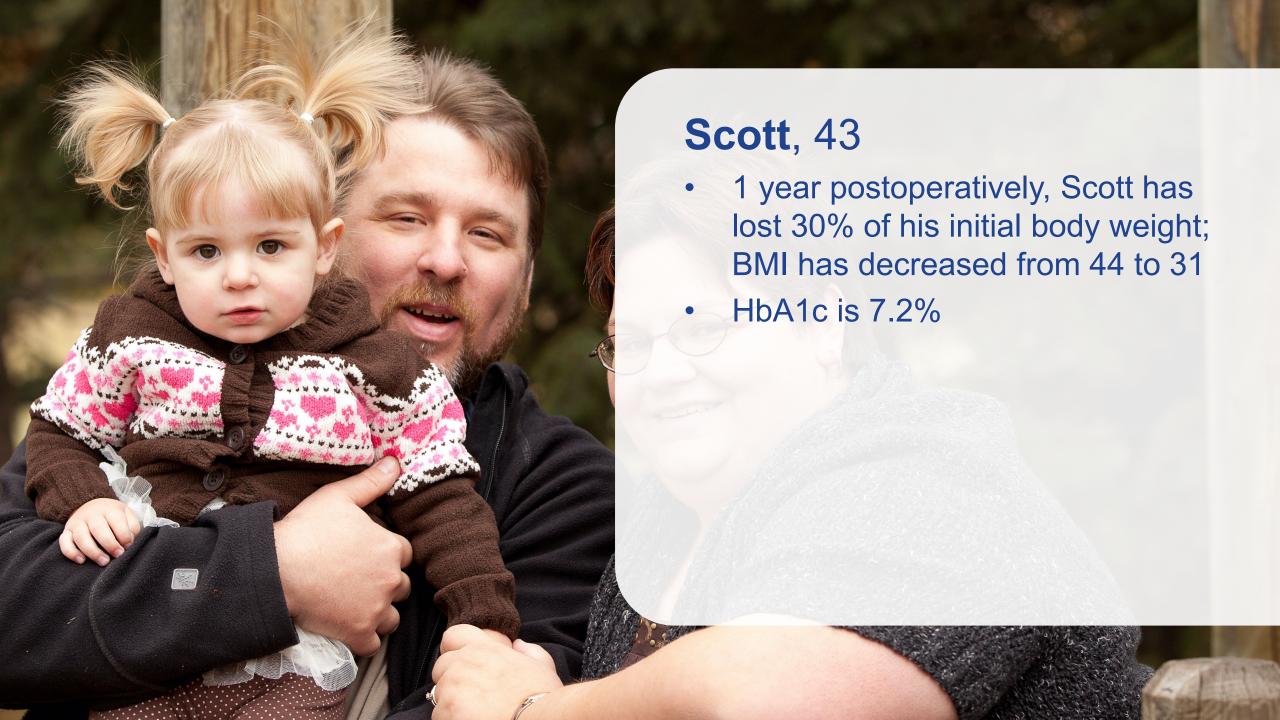
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Which of the following diabetes medications should not be resumed after weight loss surgery?

- A. Metformin the pill is too large to swallow.
- B. GLP-1 agonists (e.g. dulaglutide, semaglutide) they may cause too much weight loss.
- C. SGLT2 inhibitors (e.g. canagliflozin, empagliflozin) they can cause normoglycemic ketoacidosis.
- D. All of these medications may be used after weight loss surgery.









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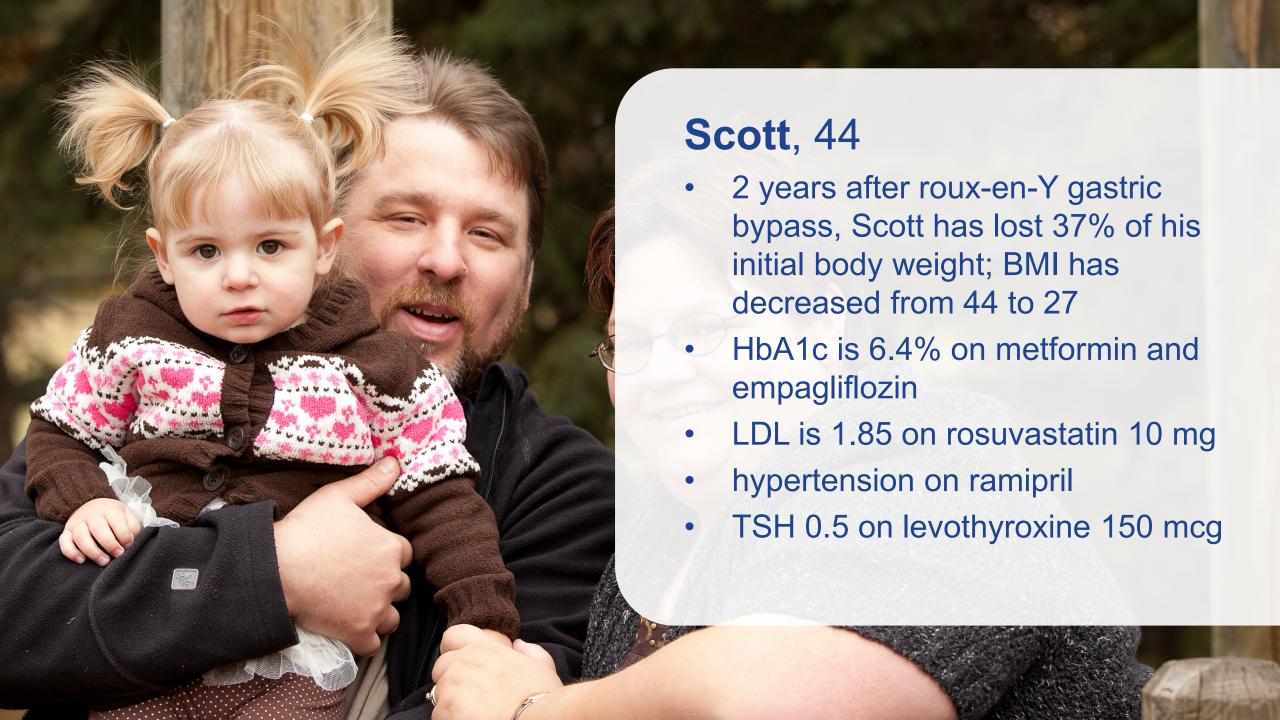
Scott's HbA1c is 7.2% 1 year after roux-en-Y gastric bypass. What treatment would you recommend?

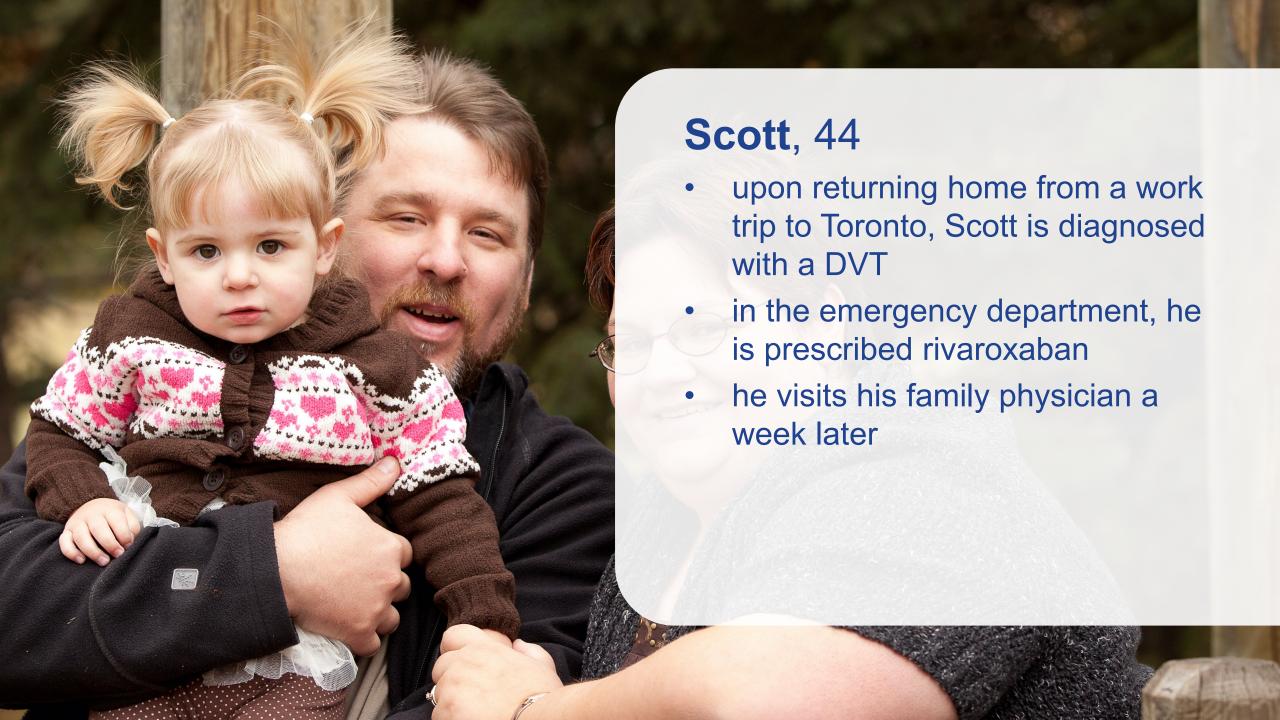
- A. Intensification of dietary and exercise efforts
- B. Metformin
- C. Empagliflozin
- D. Semaglutide













Which of the following is <u>true</u> of VTE treatment in patients that have had weight loss surgery?

- A. Direct oral anticoagulants are preferred over warfarin, due to INR lability.
- B. LMWH should be avoided due to increased bleeding risk.
- C. Rivaroxaban absorption may be affected.
- D. Thrombosis Canada guidelines can be applied.









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Specialist consultation is sought regarding choice of anticoagulant.







10 years after weight loss surgery, how many patients fail to maintain a 20% weight loss?

A. 10%

B. 25%

C. 50%

D. 75%







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Weight gain is expected after weight loss surgery.

38%

total body weight loss 1 year postoperatively

25%

total body weight loss 10 years postoperatively







What are potential causes for Jen's weight gain?







BEHAVIOURAL MEDICAL MENTAL HEALTH grazing weight-gaining high-calorie foods mood disorder medications liquid calories inadequate anatomical binge eating physical activity factors excessive progression of a sleep disruption postoperative restriction chronic disease







Obesity is chronic, progressive disease that requires lifelong management.

2

Effective obesity treatments make health behavior changes easier to sustain.

3

Multimodal therapy is required for long-term success in weight management.

Photos provided courtesy of Obesity Canada

