

## **ADAPTING TO A NEW** "NORMAL"

The end of cancer treatment can be a time of relief but you may also wonder what life will be like now. You may continue to have side effects that affect your ability to eat weeks after finishing treatment, but don't be discouraged! Your body needs time to repair and may also need a little help! This publication, written by Registered Dietitians, is meant to support you on your road to recovery.

> Nutrition plays a vital role in recovery after treatment, and while you may not return to eating the way you did before your diagnosis, we want to help you make choices to feel the best you can.

#### Tips to deal with common side effects

Once these side effects are under control, it will be easier to eat. Have a look at the first publication in our series "Managing nutrition-related side effects". If any of these symptoms worsen with time, tell your healthcare team as soon as possible.

#### Nausea, delayed stomach emptying

This is very common after stomach surgery. You may feel full for a long time after eating. If your doctor prescribed medications to help with nausea or to stimulate stomach emptying, you should keep taking them. Try also to:

- Eat every 2-3 hours throughout the day Avoid fatty meals
- Chew foods well

- - Do not lie down for an hour after eating

#### **Dumping syndrome**

Cramps, diarrhea, sweating, rapid heart rate, weakness, or dizziness can happen from stomach contents emptying too quickly into your intestines. This can happen mainly after stomach surgery. Try to:

- Follow the same advice suggested for nausea
- Add protein and fibre to your meals
- Decrease foods high in simple sugars
- Separate solids and liquids by drinking between meals and snacks

#### Lactose intolerance

Cramps, bloating, and diarrhea after dairy consumption may be due to lactose (milk sugar) intolerance. Lactase is an enzyme that helps us digest lactose. If your body does not produce enough of this enzyme you may have to limit dairy products. Here are some other tips:

- Try to decrease the number of servings or choose lower lactose foods before avoiding them altogether
- Try lactase tablets to help you digest the lactose in foods you love
- Replace regular dairy products with lactose-free products
- Slowly reintroduce higher lactose foods after a few weeks

#### Fat maldigestion or malabsorption

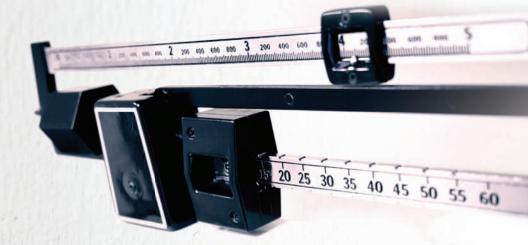
Not having enough digestive enzymes or poor mixing of enzymes with food can give you cramps, diarrhea, floating or greasy stool. Try the following:

- Spread your fat intake over all meals and snacks
- · Talk to your doctor and dietitian about whether you might benefit from enzyme replacement therapy

#### **Acid reflux**

Treatments, inflammation and stomach surgery can lead to acid reflux. Try the following:

- Avoid foods that can aggravate reflux, such as coffee, alcohol, spicy foods, fatty meals and citrus fruit
- Wait before lying down or add pillows if you must lie down after a meal
- · Take acid-lowering medications, if needed



## **WEIGHT LOSS**

Are you struggling to get your weight back? Weight loss is common following both partial and total removal of the stomach and it is also common with chemotherapy. Some people do not return to their usual body weight. If you are in a healthy body weight range, a reasonable goal would be to achieve increased strength, energy, and muscle mass rather than a specific number on the scale. Speak with your healthcare team if you are continuing to lose weight after treatment without trying.

#### How can I gain or maintain weight?

The following tips will help you to gain and/or maintain weight.

#### **MAXIMIZE CALORIES AND PROTEIN**

- Eat higher calorie and protein foods first, especially if you feel full quickly
- Limit foods and fluids that are low in calories
- ✓ Add healthy fats like olive, sunflower, canola oil, avocado, nuts or nut butters to meals and snacks
- ✓ Add nuts, seeds, beans, cheese, and eggs to soups and other meals and snacks

#### **EAT SMALL, FREQUENT MEALS**

- ✓ Aim for 6 to 8 meals per day and avoid long periods of fasting
- Keep nutritious snacks handy if you are on the go
- Eat by the clock rather than waiting until you feel hungry

#### **EAT A VARIETY OF FOODS**

- Gradually introduce a wider variety of foods into the diet including fruits and vegetables, whole grains, and protein-rich foods
- ✓ Try to pair fruits and vegetables with higher calorie foods
- Avoid unneccessary diet restrictions

#### **CHOOSE NUTRIENT-RICH FLUIDS**

- ✓ Choose milk, unsweetened juices or homemade smoothies more often than coffee, tea, or water
- ✓ Consider an oral nutritional supplement to increase calorie and protein intake between meals

# How many calories and how much protein do I need?

Calorie and protein requirements are based on age, weight, height, and level of activity. Ask a Registered Dietitian to calculate your requirements, which may be higher during and after cancer treatment. If you continue to lose weight despite eating your target requirements, please contact your healthcare team.

## oral nutritional supplements

Ready-to-drink nutritional supplements can provide vitamins, minerals and additional calories and protein when you cannot eat enough food to maintain or gain weight. They can be taken alone, added to other foods, used as a base for a smoothie or even mixed into savoury recipes. You can find recipe ideas on manufacturers' websites. And try our recipe for a homemade energy drink. Preparing your own supplements means more flexibility with flavour, sugar amount, protein and fat source.

When eating a variety of foods we usually get all the vitamins and minerals our body needs. Treatment for stomach or esophageal cancer can lead to problems with digesting and absorbing micronutrients such as iron, calcium, vitamin D, folate and vitamin B<sub>12</sub>.

> Speak with your physician about whether you need blood tests every 3 to 6 months to monitor these nutrients, especially during the first year following treatment and surgery.

Below is a list of common foods that can help you get enough of these vitamins and minerals

IRON*	CALCIUM	VITAMIN D**	FOLATE	VITAMIN B <sub>12</sub> ***
Liver  Instant oat meal, breakfast cereals  Spinach, cooked  Tofu, cooked	Cow's milk  Rice/cashew/ soy beverage, enriched  Gruyere, Swiss, goat, low fat cheddar, mozzarella cheese	Cow's milk  Salmon (sockeye, pink, Cohoe)  Egg, yolk, cooked	Cooked legumes ~ Spinach, cooked ~ Pasta, enriched	Liver  Salmon, red/ sockeye  Beef, ground, cooked

- Take with a source of vitamin C (sweet peppers, broccoli, strawberry) to increase absorption from plant sources. Avoid coffee and tea with meals
- If possible, try to have sun exposure (hands, forearm, face) for 10-15 minutes per day without sunscreen
- \*\*\* It may take up to 6-12 months until a deficiency shows. After a total removal of the stomach you may require B<sub>12</sub>

If you cannot obtain enough nutrients through food you may need supplements. Always speak to your healthcare team before taking any supplements, to help with proper dosages, and to avoid possible interactions with your medications.

## IS EXERCISE GOOD FOR **ME OR WILL I LOSE MORE WEIGHT?**

Physical activity alone does not necessarily lead to weight loss and can improve muscle strength, fatigue, anxiety, and overall quality of life. Listen to your body you may want to start with short periods (10 minutes) of mild exercise and increase gradually. Speak with your doctor before starting any exercise.

### **CAN I EAT SUGAR?**

Healthy cells use sugar as energy. Sugar can come from healthy carbohydrates such as fruit, vegetables, whole grains and dairy, and can also come from added sugar in candy, fruit drinks, pop, cakes, and cookies. At this time, it has not been shown that removing healthy sugars from your diet will affect how cancer cells grow.

While there is no direct link between added sugar intake and stomach cancer, food and drinks high in added sugars may lead to becoming overweight, therefore increasing the risk of some cancers.

#### References:

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5. Isom KA et al. Nutrition and metabolic support recommendations for the bariatric patient. Nutrition in Clinical Practice 2014;29:718.

## **HOW CAN I LOWER** THE RISK OF MY **CANCER COMING BACK?**

Most studies look at how diet and lifestyle choices can reduce the risk of developing cancer in the first place, but there is little research to guide those who want to slow cancer growth or prevent it from coming back. While not enough is known to say that certain diet choices will prevent stomach cancer from coming back, cancer prevention diet recommendations can have positive effects on health overall. This table lists foods and lifestyle choices that may have an impact on the risk of developing stomach cancer.

#### **DECREASE IN CANCER RISK**

- Be as lean as possible without becoming underweight
- · Be physically active for at least 30 minutes daily
- Avoid sugary drinks
- · Eat more of a variety of fruits, vegetables and legumes
- · Limit consumption of red meats and avoid processed meats
- · If consumed at all, limit alcoholic drinks to 2 for men and 1 for women per day
- Limit consumption of salty foods and foods processed with salt
- · Eating citrus fruit

#### **INCREASE IN CANCER RISK**

#### STRONG EVIDENCE

- · Drinking three or more alcoholic drinks per day
- · Being overweight or obese
- · Eating foods preserved by salting (e.g., pickled vegetables, salted fish)\*
- Regular intake of processed meat\*

#### LIMITED EVIDENCE

- · Eating grilled or barbecued meat or fish
- · Eating little or no fruit

\* Certain types of stomach cancer

World Cancer Research Fund International/American Institute for Cancer Research. Continuous Update Project Report: Diet, Nutrition, Physical Activity and Stomach Cancer. 2016



Here are some signs that can be a guide as to whether you are on the right track:

- O Can I prepare my meals without having to rest or do I still need help?
- O Are my symptoms improving?
- O Is my weight stabilizing?
- O Do I feel like eating and drinking regularly?

#### And remember ...

- O Start with small portions
- O Choose foods that you enjoy, are well tolerated and contain protein and calories
- O Don't be hard on yourself; give your body time to heal and adjust

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#### RESOURCES

- · Dietitians of Canada: Food sources of iron, calcium, vitamin D, folate, and vitamin B12. www.dietitians.ca
- EatRight Ontario: My Menu Planner. www.eatrightontario.ca
- Stomach Cancer Foundation of Canada, www.mvgutfeeling.ca

My Gut Feeling was founded in 2016 by two survivors, Teresa Tiano and Ekaterina Kosyachkova. We are the first non-profit organization for patients, survivors and caregivers in Canada dedicated solely to stomach cancer. Our mission is to help those on the stomach cancer journey by providing awareness, education and advocacy through peer-to-peer support and monthly support groups.

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# MAXIMIZE YOUR See ENERGY DRINK This nutritious drink provides you with protein and calories on days when your appetite is not great!

Preparation: 10 minutes Servings: 1

#### **INGREDIENTS**

½ cup milk (2%)

1/3 cup pasteurized liquid eggs

1/4 cup strawberries, sliced

1 tbsp oats

Nourish Extra: a guide for people with cancer of

1 tbsp vegetable oil

2 tbsp honey

#### **DIRECTIONS**

- 1. Place all ingredients in a blender.
- 2. Mix until smooth.
- 3. Serve immediately.

# **Nutrition Facts**

Serving Size: 1 cup	,,,	
Amount	% Daily Value	
Calories 400		
Fat 17g	22%	
Saturated 2.5g + Trans 0g	13%	
Cholesterol 10mg	3%	
Sodium 190mg	8%	
Carbohyrate 52g	19%	
Fibre 2g	7%	
Sugars 42g		
Protein 15g		
Vitamin D	0%	
Calcium 162mg	10%	
Iron 1mg	6%	
Potassium 299mg	6%	