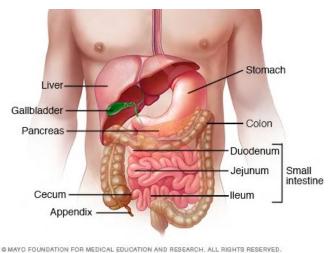


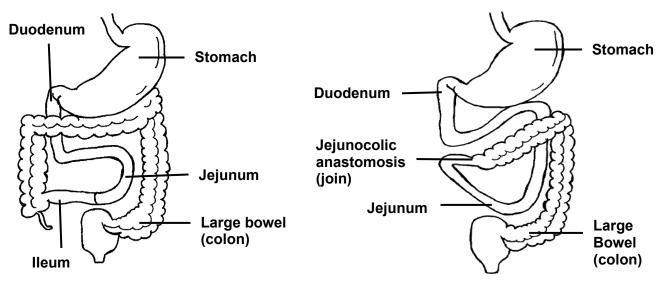
Eating with short bowel syndrome

(Small bowel removed with large bowel intact)

Normally an adult has 3 to 4 meters of bowel that absorbs nutrition from food and fluids.



Short Bowel Syndrome (SBS) occurs when a significant portion of the bowel (intestine) has been surgically removed. The information in this sheet is intended for those who have part or all of their large bowel remaining but have had a significant portion of their small bowel (which consists of the duodenum, jejunum and ileum) removed.



lleocolic anastomosis (join of ileum to colon)

Jejunocolic anastomosis (join of jejunum to colon)

Symptoms of SBS

The most common symptom of SBS is diarrhoea, due to having a reduced length of bowel to absorb the nutrition from food and fluids. Although everyone is different, it is usually



assumed that between half and two thirds of the nutrition eaten may not be absorbed. This malabsorption is what causes diarrhoea which may lead to weight loss, malnutrition and

dehydration.

The severity and duration of diarrhoea depends on several things. These include

• the amount of remaining bowel,

the health of the remaining bowel,

how soon it is after the removal of the section of bowel, and

what you choose to eat and drink.

Over time the remaining bowel adapts to the shorter length in a process called 'gut adaptation'. This process can continue for 2 to 3 years after your bowel resection. This means that over time your diarrhoea should improve to some degree as your body adapts and gets better at absorbing food and fluids. Following a special diet and certain medications can also help. Some people may need fluid or nutrition through the vein (intravenous - IV)

to assist with their recovery.

What medications can I take to help manage my SBS?

There are several medications that your doctor can prescribe to help your remaining bowel to adapt.

Commonly used medications include

Loperamide (e.g. Gastrostop®, Imodium®): works best when taken regularly, usually 30 minutes before meals. The capsules can be opened and the spheres sprinkled on food

to improve absorption and effect.

• Codeine: works by slowing down the speed the body moves food through the bowel.

Usually given at night as may make you sleepy.

You should take a multi-vitamin as you will no longer be absorbing all the nutrition from food.

Your dietitian or doctor may also recommend you take specific vitamins or minerals

depending on which parts of your bowel have been removed, and/or your blood test results.

What should I eat to manage my SBS?

The following recommendations have been shown to reduce diarrhoea in many people with

SBS with some or all their large bowel remaining.

- Choose "dry" food and meals to reduce fluid volume at meal times. E.g. roast meat with mashed potato and carrots, no gravy or sauce, instead of "wet" dishes like soups and casseroles.
- Drink your fluids away from meal and snack times. At least 30 minutes between eating and drinking will help reduce diarrhoea. Your healthcare team may also recommend you limit the amount and type of fluids you consume.
- Chew your food well and eat slowly to improve time for digestion and absorption.
- Eat smaller, more regular meals / snacks aim for at least 6 to 8 times over the day. You will need to eat more to make up for what your body is not able to absorb.
- Choose lower fat alternatives to reduce fat malabsorption.
- Choose higher complex carbohydrate foods (bread, pasta, rice, etc.) but reduce the amounts of simple sugars (lollies, soft drinks, etc). This can reduce diarrhoea.
- Avoid foods high in oxalates (see following pages), to reduce the risk of developing kidney stones. If you do eat a food high in oxalates, eating a food high in calcium (e.g. cheese, milk) at the same time can reduce the risk.

See list of foods and sample meal plan provided.

Follow up

It is important you remain in contact with your doctors, pharmacist and dietitian after you go home.

The reasons for this include the need to monitor

- Your weight and nutritional status.
- Your vitamin and mineral levels.

For further information contact

 Changes to your bowels that may allow modifications to your medication and/or diet (and IV fluid and nutrition requirements, if applicable).

Dietitian:		
Phone:		
Doctor:		
Pharmacis	st:	
Phone:		



Dietary recommendations for SBS (with large bowel)

	Choose	Best to avoid or
	All 6:	consume in small amounts
Bread, cereals, rice, pasta, noodles	All refined cereal products are low oxalate	All high fibre cereal products are considered high oxalate
	White bread/crumpets/English muffins White rice White pasta Noodles White flour, cornflour Plain sweet biscuits, muffins and cakes Plain savoury biscuits and cakes Porridge	Wholemeal/multigrain/soy & linseed bread Wholegrain breakfast cereals (e.g. Weet-Bix, All Bran), muesli Fruit bread Muesli bars Brown rice Wholemeal pasta Noodles served in broth Sweet biscuits Muffins/cakes made with wholemeal flour, nuts, dried fruit or coconut Wholemeal flour, wheat germ
		Bran
Fruit	Low oxalate fruitsBanana (not overripe)Apples (red)Tinned peaches	Fruit juice Dried fruit/trail mix High oxalate fruits
	Melons Moderate amounts of medium	• Figs
	oxalate fruits	
	• Berries	
	Kiwi fruit	
	Grapes Apples (grapp)	
	Apples (green)Stone fruits	
	Citrus fruits	
	Pears	
Vegetables, legumes	Low oxalate vegetables	Vegetable juice
	Avocado	Soup
	Broccoli	
	Cauliflower	High Oxalate vegetables
	Cucumber Latting	BeetrootLeek
	LettucePeas	Spinach
	• Onions	Celery
	Moderate amounts of medium	 Legumes (baked beans, soy,
	oxalate vegetables	lentils, split peas)
	Green beans	Rhubarb
	• Potato	
	Capsicum	
	Cabbage Muchroom	
	Mushroom Asparagus	
	AsparagusCorn	
	Tomatoes	

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	Choose	Best to avoid or
		consume in small amounts
Meat, fish, poultry, eggs, nuts, seeds,	All animal products are low oxalate	Casseroles, wet dishes, meat in sauce
legumes	Eggs	Curry/spicy food
	Fish	High oxalate protein foods
	Chicken	Nuts and seeds
	Beef	 Legumes e.g. baked beans,
	Lamb	lentils, soy beans, kidney beans
	Pork, bacon, ham	 Nut pastes e.g. peanut butter
	Turkey	 Soy products (soy milk, tofu,
	Duck	TVP)
Milk, yoghurt,	All animal products are low	Custard
cheese	oxalate	Ice cream/sorbet/frozen yoghurt
		Yoghurt/soy yoghurt
	All types of cheese	
	Cheese spread	
	Milk including flavoured milks	
	allowable but limit quantities	
Extra foods	Generally lower fat options are	Large amounts of fat including
	recommended however the	butter, margarine, mayonnaise, oil
	following may be appropriate	Vitamin water
		Soft drink/
	Potato chips/crisps	Cordial
	Hot potato chips/gems	Alcohol
	Cheeseburgers/hamburgers	Pies
	BBQ chicken/fried chicken	Subway with salad/sauce
	Sausage rolls/pasties without	Gravy, tomato sauce, BBQ sauce,
	sauce	mustard
	Subway without sauce	Sugar, jam, honey, syrups, ice
	Vegemite	cream toppings
	Salt, pepper, dried herbs, spices	Jelly, junket
		Lollies, boiled lollies, jubes,
		Coconut
		Chutney and pickles
		Chewing gum 'Sugar-free' products with sugar
		alcohols (e.g. sorbitol, xylitol,
		mannitol)
		High oxalate extras
		Coffee
		Tea
		Hot chocolate
		Milo Overline
		Ovaltine
		Chocolate, especially with nuts



Suggested meal plan

ON WAKING

Small cup of tea/coffee

BREAKFAST

1 cup of porridge (made on milk)
OR
2 eggs on 2 slices of toast + scrape of butter

MORNING TEA 1

Banana

MORNING TEA 2

1 slice white bread with 1 tbsp smooth peanut butter

LUNCH

Ham, cheese and tomato sandwich on white roll or 2x slices of bread

AFTERNOON TEA 1

10 water crackers with sliced low-fat cheese

AFTERNOON TEA 2

2-minute noodles with fluid drained

DINNER

Piece of fish/meat/chicken with potato, sweet potato, carrots

SUPPER

10 savoury biscuits

