

# Wellness Plan - Tom Hanna

Your tests showed that the enzymes which break down types of disaccharides including sucrase and maltase found in foods are deficient. Your lactase enzymes are within the reference range however they were at the low end.

#### What does this mean?

- Sugars, starches, and complex carbohydrates in foods are broken down into smaller sugars
   by enzymes. Eventually, these single sugars are absorbed into the body.
- Disaccharides are 2 single sugars that are linked together.
- Disaccharide intolerance is when your body can't break apart the disaccharides into single sugars and absorb them.
- This often leads to uncomfortable digestive tract symptoms such as diarrhoea, bloating, abdominal pain, and nausea.

## What are the causes?

- In can be an inherited condition where your body simply does not produce enough, or any, of the enzymes required to break down the disaccharide.
- Inflammatory damage to the cells of the small intestine due to infections caused by parasites, bacteria or viruses, or from a food allergy including gluten (celiac disease), soy or milk allergies. The enzymes needed to break down disaccharides are made in the cells of the small intestine, so when there is inflammation in these cells, the production of the enzymes is hindered.
- Intestinal damage caused by drugs or medications.

#### Treatment

- Avoidance of the foods which contain these disaccharides for 4 weeks see table below for a
  breakdown of foods then can be eaten, and those that need to be avoid during this 4 weeks.
- While these triggers foods are removed, we will focus on gut healing and reducing inflammation through supplementation
- We will also work on replenishing these enzymes through supplementation. In most cases,
   the intolerance is dose related and problems result when the amount of disaccharide in the
   food exceeds the capacity of the enzymes to digest it.
- After 4 weeks, we will slowly start bringing back in foods one at a time, every third day. You
  will need to keep a food journal to track what you are bringing back in and for monitoring your
  symptoms.
- You should be able to bring back all foods in time however there may be a handful that your body cannot deal with and these may need to be limited or removed from your diet completely. This is why it's important to keep a food journal so you can distinguish which foods are triggering for you.

Food Group	Foods which are usually tolerated	Foods to Avoid
Fats	Butter Olive oil	Margarine
Diary	Butter Milk Cottage cheese Plain, unsweetened yoghurt Cream Hard cheeses - cheddar, Colby, mozzarella, Swiss, parmesan, and provolone Sour Cream	Flavoured milk Flavoured yoghurt Processed cheeses – cheese slices Ice cream
Fruit	Avocado Blackberry Blueberry Boysenberries Cherry Cranberry, fresh Figs Grapes Kiwi Fruit Lemon Lime Olives Papaya Pears Pomegranate Prunes Raspberry Rhubarb Strawberries  TIP: Check ingredients on canned, frozen and dried food to insure no	Apple Apricot Banana Clementines Coconut Dates Grapefruit Guava Honeydew Melon Mango Madarines Nectarine Oranges Passionfruit Peach Pineapple Tangerines Rockmelon Watermelons
Vegetables	sucrose and/or starch was added.  Alfalfa Sprouts Bamboo Shoots Bok Choy Celery Chard Chicory Chives Cucumber Cress Eggplant Green Beans Kale Mixed leafy greens Mung Bean Sprouts Mushrooms Capsicums Radishes Spaghetti Squash Spinach Tomatoes Turnips Yellow squash Zucchini	Beetroot Blackbeans Black eyed Peas Butternut squash Carrots Chickpeas Corn Garlic Green Beans Kidney Beans Leek Lentils Lima Beans Navy Beans Onions Parsnip Pinto Beans Potatoes Pumpkin Snow peas Soy beans Split peas Sweet potatoes Yams

	The following vegetables can cause	
	gas in people regardless of enzyme deficiency so consumption should be closely monitored for symptoms and removed for the 4 week period if symptoms are appearing:	
	Artichoke Asparagus Broccoli Brussel Sprouts Cabbage Cauliflower	
	TIP: Check ingredients on canned, frozen and dried food to insure no sucrose and/or starch was added.	
Meat	Beef Lamb Chicken Pork Eggs Turkey	Process meats – bacon, ham, sausages, premade hamburgers, deli meats  Crumbed meat & seafood
	*Most plain, unseasoned meats are tolerated	
Legumes	None	Bean sprouts Black eyed peas Broad beans Chickpeas Kidney Beans Lentils Navy Beans Peanuts Peas Split peas Soybeans
Grains	None	Flours Amaranth Barley Buckwheat Bulgur Corn Millet Oats Quinoa Rice Rye Spelt Triticale Wheat

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Nuts & Seeds	None	Almond	
		Brazil Nut	
		Cashew	
		Hazelnut	
		Macadamia	
		Pecan	
		Pistachio	
		Pumpkin seed	
		Sesame seed	
		Sunflower seed	
		Walnut	
Sugars	Honey	Sucrose (table sugar)	
	Fructose (fruit sugar)	Maltose (grain sugar)	
	Glucose	Foods with added sugars	
	Dextrose	Syrups (maple, golden etc)	
	Stevia		
	Monkfruit		
Spices & Herbs	Allspice	Herb or spice mixes or	
	Anise seed	seasoning packets	
	Basil	Curry	
	Bay leaf		
	Caraway		
	Cayenne		
	Celery		
	Chervil		
	Chili powder		
	Cinnamon		
	Cloves		
	Coriander		
	Dill		
	Fennel seed		
	Fenugreek		
	Garlic powder		
	Ginger		
	Mace		
	Marjoram		
	Mustard		
	Nutmeg		
	Onion powder		
	Oregano		
	Paprika		
	Parsley		
	Pepper		
	Poppy seed		
	Rosemary		
	Sage		
	Tarragon		
	Thyme		
	Turmeric		
Beverages	Water	All fruit juices	
	Coffee*	Milk	
	Tea*	Rice or oat milk	
	Herbal tea	Sodas & soft drinks	
	Unsweetened coconut, almond,	Alcoholic beverages	
	cashew, or soy milk		
	*Caffeine may worsen GI		
	symptoms. Limit to 1 cup per day		

# Meal Ideas:

Breakfast	Lunch	Dinner	Snacks
Scrambled eggs with	Chicken salad with	Oven baked Salmon	Hard boiled eggs
cheese, herbs,	greens, capsicum,	with sautéed	
spinach and avocado	avocado, tomatoes	mushrooms,	
	and cucumber	and spinach	
Omelette with chives,	Steak fajita (green and	Stuffed capsicums –	Celery, capsicum sticks,
garlic,	red capsicum, no	stuffed with lamb or	cheese & radishes with
mushrooms, spinach,	onion,	beef with cumin,	guacamole
tomato,	homemade fajita	oregano and paprika –	
red and green	seasoning – cumin,	topped with melted	
capsicum,	paprika, oregano),	cheese, avocado &	
and avocado	lettuce wraps	served with salad	
Fruit smoothie with	Taco salad (beef with	Grilled chicken or	Plain Greek yoghurt with
blackberries,	homemade taco	steak with vegetables	berries
blueberries,	seasoning – cumin,	(zucchini, eggplant,	
lemon or lime, baby	oregano, paprika,	green beans)	
spinach	garlic powder, salt)		
or kale, with	tomato, avocado,		
unsweetened almond	lettuce		
milk			

#### Prescription:

- Continue with the **Herbs of Gold Gut Care** powder you are already taking
  - o 1 level scoop in 150ml water daily with food

#### • Orthoplex MagGI Restore

- 1 scoop once daily in water (can mix with Gut Care powder if prefer) make sure you have this one with or after breakfast – you want food in your stomach and you do not want to take after lunch as the B vitamins can affect sleep if taken too late in the day
- This is a great multivitamin which will help build back up your nutrient levels as these
   will be quite low after having diarrhoea for such a long time
- It will help support gut healing and digestion, skin health, nervous system support and aid in increasing your energy levels

### Designs for Health ZymeGest

- o Take 2 capsules up to 30 minutes before breakfast, lunch and dinner
- A blend of digestive enzymes important for the breakdown of protein, fats and
   carbohydrates which will help support digestive function and the breakdown of food

#### Lifestyle Advice:

• I have included a mindfulness handout which has some simple breathing exercises on them. You may like to try these especially at night when winding down for bed. Our nervous system and gut health is connected so an important part of treating our gut, is also making sure we are taking care of our stress levels. These breathing exercises help our bodies switch from our sympathetic nervous system (fight or flight) and into our parasympathetic nervous system, which promotes rest and digestion.

#### To do:

- Please follow up with your GP in regards to the testing they did for the possible tick borne
   allergy (possibly Mammalian Meat Allergy) and let me know the outcome
- Buy a notebook to make it into your food journey
- Stool test (Microbiome test) on Monday ☺