



Implementation With Dr. Ritamarie Loscalzo



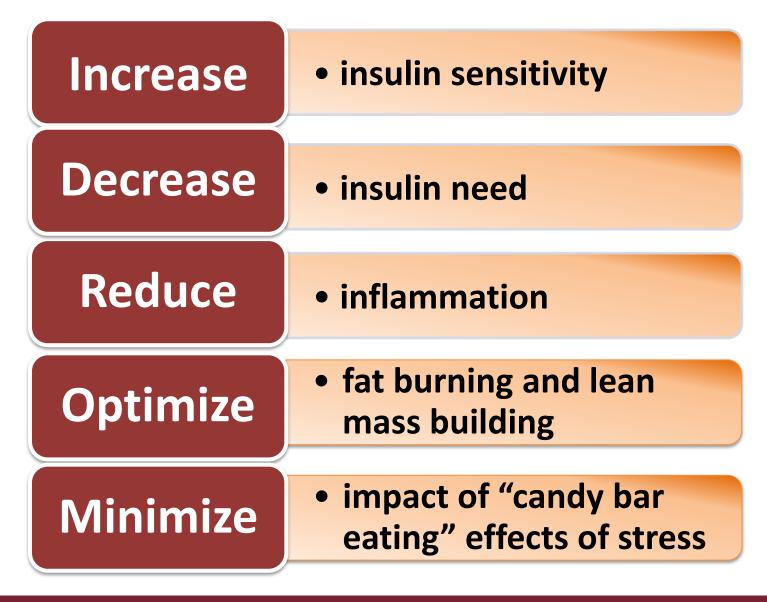
Medical Disclaimer: The information in this presentation is not intended to replace a one-onone relationship with a qualified health care professional and is not intended as medical advice. It is intended as a sharing of knowledge and information from the research and experience of Dr. Ritamarie Loscalzo, drritamarie.com, and the experts who have contributed. We encourage you to make your own health care decisions based upon your research and in partnership with a qualified health care professional.



Insulin Resistance Solution



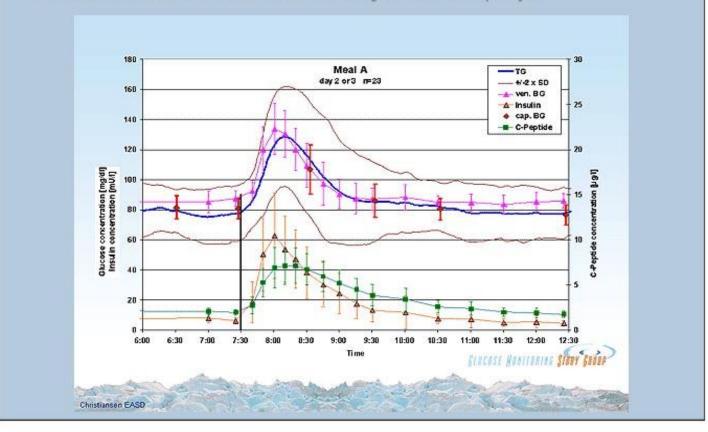
5 Key Steps to Restore Balance



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What is Normal Blood Sugar?

Christiansen, Prof. J. S., On the occasion of the Annual Meeting of the EASD, Copenhagen, 13-Sep-06 What is Normal Glucose? - Continuous Glucose Monitoring Data from Healthy Subjects



What is a Normal Blood Sugar?

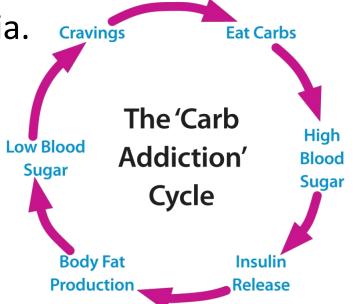
Normal blood sugars after a high carbohydrate breakfast eaten at 7:30 AM. The blue line is the average for the group. The brown lines show the range within which most readings fell (2 standard deviations). Bottom lines show Insulin and C-peptide levels at the same time.Graph is a screen shot from Dr. Christiansen's presentation cited below.



<u>What is Normal Glucose? Continuous Glucose Monitoring Data from Healthy Subjects.</u> Professor J.S. Christiansen, presented at the Annual Meeting of the EASD.

Break the Vicious Cycle of High-Glycemic Carbohydrate Addiction

- ✓ High-glycemic carbs promote excess insulin.
- Normal cells adapt to the high levels by "turning off" and thus require a very large amount of insulin to open up.
- ✓ High insulin leads to hypoglycemia.
- ✓ Hypoglycemia leads to cortisol and/or adrenaline spikes.
- ✓ Adrenaline and cortisol spikes promote craving for high-glycemic carbs.





Key Lifestyle Areas to Address





Overview of 30-Day Plan

- ✓ Consume greens, chia seeds (or other omega-3 rich foods), and optional protein powder within an hour of waking up.
- ✓ Add walking or **low intensity aerobics**.
- ✓ Include **burst training** and resistance training.
- ✓ Add/experiment with a cleansing day (or days) each week.
- ✓ Practice stress management.
- ✓ Bedtime by 11:00 p.m.
 (or earlier).
- Schedule 7 9 hours of sleep per night.
- ✓ Consume only foods that keep sugars at 110

or below.



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30-Day Strict Low-Glycemic Diet

- ✓ No sugar of any kind
- ✓ No grains unless it's clear they are tolerated
- ✓ No potatoes
- ✓ No bananas or other high-glycemic fruits
- ✓ No dried fruit
- ✓ No fruit juice

Low-glycemic fruits in small quantities



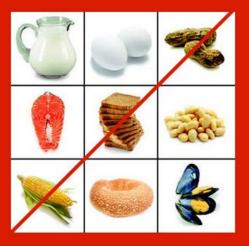




Other Foods to Avoid

- ✓ Heated oils, trans-fats
- ✓ Eliminate top
 allergens and all
 known allergens
- ✓ Anything that raises
 blood sugar above 110







Allergens and Potential Allergens

Top 6 Food Allergens

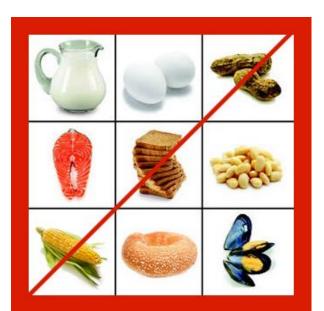
Gluten Dairy

Soy

Corn

Eggs

Peanuts



Runners Up Shellfish Tree nuts **Strawberries** Citrus Oats Yeast



Ready For Maintenance Phase If:

- ✓ At least 3 weeks of stable glucose
 - ≻Under 110 and
 - Rarely, if ever, below fasting level within 2 hours or more after a meal
- ✓ Consistently taking basic
 supplements: Cr, Mg, DHA
- ✓ Fairly consistent on exercise, stress, sleep, and timing
- ✓ Noticing definite improvements

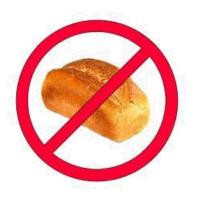




Foods Best to Avoid for Life

- ✓ Sugar and all its relatives. Occasional hint of unrefined sweetener in an otherwise healthy, whole-foods dessert may be tolerable...
 Test and don't make it a habit.
- ✓ Pasteurized fruit juice.
- ✓ Flour even whole grain. Body handles like sugar. Baked flour products contain acrylamide, a known carcinogen.
- ✓ Heated polyunsaturated oils and trans-fats especially shortening, mayonnaise, and margarine.
- ✓ Gluten, unless you've tested and found yourself non-reactive and are asymptomatic.
 www.enterolab.com or www.cyrexlabs.com
- ✓ All known allergens.
- ✓ Non-organically raised animal products.









Reintroducing Fruits

- ✓ Lowest sugar to highest
- ✓ Small amounts in smoothies or with greens, i.e., on top of salads to start
- ✓ Gradually increase amounts and find your tolerance
- ✓ Go slowly to avoid insulin and glucose swings





Ready to Start Slowly Decreasing Supplement Dosages If:

- ✓ Maintaining glucose under 100 most of the time
- Fasting blood sugar is consistently in the 80's or 70's
- No dips below
 fasting glucose level
 3-5 hours after a meal

✓ Symptoms are **improving**





Cornerstone Supplements

- Chromium Polynicotinate: 400 mcg twice a day
- Magnesium Citrate, Glycinate, or Natural Calm: 400 mg or to bowel tolerance
- DHA: 350 to 500 mg per day, preferably algae oil based -- review omega-3/omega-6 documents
- Vanadyl Sulfate (Optional): Take 50 mg twice a day, only for 4 weeks



How to Wean Off Supplements

- ✓ Decrease by 1 capsule or drop dose every 3-4 days
- Carefully monitor fasting blood sugar and post-meal glucose (15, 30, 45, 60, 2h, 3h, 4h, 5h) on your highest glycemic meal(s)
- ✓ Weigh yourself and observe for increase
- ✓ Monitor your energy level, mental alertness, and any symptoms that resolved during the 30 days
- ✓ Observe for appetite changes and food cravings
- Continue to decrease unless contraindicated by above

Reintroducing Potential Allergens

✓ Top 6 Food Allergens

GlutenDairyImage: Constant of the second of

✓ Runners Up

Shellfish Tree nuts Strawberries Citrus Oats Yeast



Reintroducing Potential Allergens

Safe	Suspicious	Problematic
Food 1 Food 2	Food 3 Food 4	Food 5 Food 6

Fitness Guidelines Highlights

✓ Short burst exercise:

- \geq 2 minutes first thing in the morning (daily)
- ➢2 minutes an hour before bedtime (daily)
- ➤ 30-second bursts throughout the day, ideally 2 hours before meals (4-8 daily, 4-5 days a week)
- Moderate intensity aerobics like walking, jogging, cycling, swimming, a class, or on exercise equipment (30-60 minutes, 4-5 times a week)
 Walking for 10 minutes 3 times a day counts
- Resistance exercise: i.e., weights or body weight, see
 <u>Fitness Video Library</u> for ideas (1-3 times a week)



Diet & Nutrition Guidelines Highlights

- ✓ Avoid foods that require lots of insulin to manage. Hang the Foods to Phase Out document on the refrigerator door.
- ✓ Avoid <u>gluten</u> and other allergens.
- ✓ Avoid foods that cause blood sugar to go above 110. If not testing, only eat low GI foods.
- Keep eating and drinking lots
 of greens, chia seeds, non-starchy
 vegetables, and healthy fats.
- Drink half your body weight in fluid ounces of water each day.



Attitude & Stress Guidelines Highlights

- Practice "Quick Coherence," aka "Mini-Vacations," at least 5 times a day.
- Learn to identify early on when going into "autopilot" and experiencing the negative effects of stress. Use "Freeze Frame" to shift.
- Use the power of appreciation and fun to shift perspective.
- Acknowledge accomplishments, connect to values and visions, and keep eyes on the prize.



Sleep Guidelines Highlights

- ✓ Get to **bed by 11:00 p.m.**
- ✓ Stay in bed at least 8 hours most nights.
- ✓ Turn down the activity intensity starting a couple of hours before bedtime:
 - ≻Turn off the TV
 - ≻Dim the lights
 - ≻Get away from the computer
 - ➤Take a warm bath
 - Listen to soft music, etc.





Timing Guidelines Review

- ✓ Quit eating 3 hours before bedtime to optimize growth hormone and promote fat burning while you sleep.
- "Burst and Burn" before bed: About 2 hours after your last meal of the day and at least 1 hour before bed, do a 2-minute burst of high intensity exercise.
- ✓ Extend the time between your meals to <u>5 hours</u>.
- ✓ Consume protein within an hour of waking.
- ✓ Avoid high-carbohydrate breakfasts Morning carb overdoses cause a premature spike in leptin and food cravings.
- Practice breathing and appreciation before your meals.
- Commit to getting to sleep no later than 11:00 p.m.
 - Plan fitness bursts 2 hours before each meal.





Non-Starchy Vegetables Raw or cookedAmounts Watch omega-6:3 ratio and saturated fatto help blood sugar regulation - FenugreekQuinoaWhite sugarFoddsGlycemic FruitsBit Coccoli- Chia- Maitake mushroom: - Basil:- Maitake mushroom: - Basil:- Maitake mushroom: - Basil:- Maitake mushroom: - Basil:- Maitake mushroom: - Basil: - Algae and seawed- White sugar - Teff- White sugar - High-fructose corackers, bread, pata etc. (whole grain products - crackers, bread, pata etc. (whole grain pata etc. (whole grain pata etc. (whole grain pata etc. (whole grain pata etc. (whole grain - Pears - Pacaches- Basil: - Basil: - Lentis - Pears- White sugar - Teff- Flour and flour products - crackers, bread, pata etc. (whole grain - Carakers, bread, pata etc. (whole grain - Pacaches- Pears - Pears - Pears - Pacaches- Pears - Pears - Pacaches- Pears - Pears - Pears- Pears - Pears - Pears- Pears - Pears - Pears - Papaya- Pears - Pears - Pears - Papaya- Pears - Pears - Pears - Pears - Papaya- Pears - Pears - Pacaches - Papaya- Pears - Pears - Pears - Pears - Pears - Pacaches - Pears - Pacaches - Pagaya- Pears - Pears - Pears - Pears - Pacaches - Pagaya- Pears - Pears - Pears - Pears - Pacaches - Pears - Pacaches - Pagaya - Pomegranate - Pomegranat	Food	s to Consume Regu	larly	Use Only if Sugar Stays < 110		Foods to Avoid		
 **All foods in 30 day menu plan are allowed • Deep ocean fish (limit to 1-2 times a week, 3 ounce serving) • Prickly pear or Nopal cactus- • Stevia • Turmeric • Parsnip • Turnip • Rutabaga • Sweet potato • Yam • Beets • Peanuts • Your personal allergens • Commercial animal products 	Non-Starchy Vegetables Raw or cooked Broccoli Cauliflower Kale Chard Spinach Bok Choy Cabbage Collard greens Arugula Lettuce Celery Cucumber Peppers Jicama Radish Tomato Sprouts Herbs All other non- starchy vegetables Konjac noodles Kelp noodles	Amounts Watch omega-6:3 ratio and saturated fat Chia Flax Hemp Sunflower Pumpkin Sesame Almond Cashew Macadamia Brazil Pecan Walnut Coconut Filbert (hazelnut) Pinenut Avocado Other raw nuts and seeds Animal Foods (optional) Organic, free- range, pastured or wild lean meat (3 oz) Deep ocean fish (limit to 1-2 times a week, 3 ounce	to help blood sugar regulation • Fenugreek • Maitake mushroom: • Bitter melon • Basil: • Alfalfa • Algae and seaweed • Avocado • Bitter melon • Blueberries • Broccoli • Bussels sprouts • Cabbage • Cardamom • Carob • Cinnamon • Citrus peel extract • Cucumber • Garlic • Ginger • Greens • Jerusalem artichoke • Onion • Prickly pear or Nopal cactus –	Gluten-Free Grains Quinoa Teff Millet Buckwheat Brown rice Wild rice Legumes Lentils Peas Mung beans Adzuki beans Black beans Kidney beans Vhite beans Kidney beans Red beans Kidney beans Blueberry Strawberry Blackberry Blackberry Cher berries Green Apples Starchy Vegetables Carrot Parsnip Turnip Rutabaga Sweet potato Yam	 White sugar High-fructose corn syrup "Whole" sweeteners: honey, maple syrup, raw dehydrated cane juice, agave Alcohol Coffee Hydrogenated oils Processed polyunsaturated oils (they come in glass jars and are already oxidized) Mayonnaise Margarine Shortening 	Foods Flour and flour products – crackers, bread, pasta etc. (avoid even if whole grain) Grains unless tested and blood sugar stays below 110 Legumes unless tested and blood sugar stays below 110 White potato Yellow potato Starchy vegetables unless tested and blood sugar stays below 110 Mitergens Gluten Dairy Corn Eggs Soy Peanuts Your personal allergens Commercial	 Banana Pears Plums Peaches Apricots Pineapple Mango Papaya Pomegranate Guava Passion fruit Star fruit Cherimoya Persimmon Dried Fruit Prunes Dates Raisins Goji Berry Others Fruit Juice – Fresh 	

Food Chart to Maintain Good Glucose Balance

YES		TEST Blood Glucose and Use Cautiously		NO		
Unlimited Non-Starchy Vegetables Raw or cooked	Moderate Amounts Watch omega-6:3 ratio and saturated fat	Fruits Best eaten with greens in smoothies or salads	Starchy Vegetables Raw or cooked	Gluten-Free Grains and Legumes Sprouted or cooked	NEVER	Tiny Amounts on Rare Occasion (Only if no rise in blood glucose)
 Broccoli Cauliflower Kale Chard Spinach Bok Choy Cabbage Collard greens Arugula Lettuce Celery Cucumber Peppers Jicama Radish Tomato Sprouts Herbs All other non-starchy vegetables 	 Chia Flax Hemp Sunflower Pumpkin Sesame Almond Cashew Macadamia Brazil Pecan Walnut Coconut Filbert (hazelnut) Pinenut Avocado Other raw nuts and seeds Animal Foods (optional) Organic, free-range, pastured or wild lean meat (3 oz) Deep ocean fish (limit to 1-2 times a week, 3 ounce serving) 	Fresh Fruits Blueberry Strawberry Blackberry Blackberry Raspberry Other berries Apples Pears Plums Peaches Apricots Pineapple Mango Papaya Pomegranate Guava Passion fruit Star fruit Cherimoya Persimmon Dried Fruits (caution - not alone) Prunes Dates Raisins Goji Berry Others 	 Carrot Parsnip Turnip Rutabaga Sweet potato Yam Beets Caution and Small Quantities White potato Yellow potato 	 Quinoa Teff Millet Buckwheat Brown rice Wild rice Corn Lentils Peas Mung beans Adzuki beans Black beans Kidney beans Pinto beans White beans Red beans 	 White sugar High-fructose corn syrup Hydrogenated oils Processed polyunsaturated oils (they come in glass jars and are already oxidized) Mayonnaise Margarine Shortening Deep fried food Pasteurized fruit juice Refined flour Refined grains (<i>i.e. white rice</i>) Gluten unless tested (via enterolabs.com or cyrexlabs.com) Commercial animal products 	 "Whole" sweeteners: honey, maple syrup, raw dehydrated cane juice, agave Whole grain, unrefined flour products, non- gluten Fresh fruit juice in combination with vegetable juice or in a vegetable-based dish Small amount of vegetable oil in a big stir-fry, on occasion when out

