

Dr. Shuck

F[🍏]o[🍏]o[🍏]d is Medicine

DR. WHO?



Struggling with Chronic Pain or Stubborn Weight?

Losing the Weight and Ditching the Pain is Easier than You Think

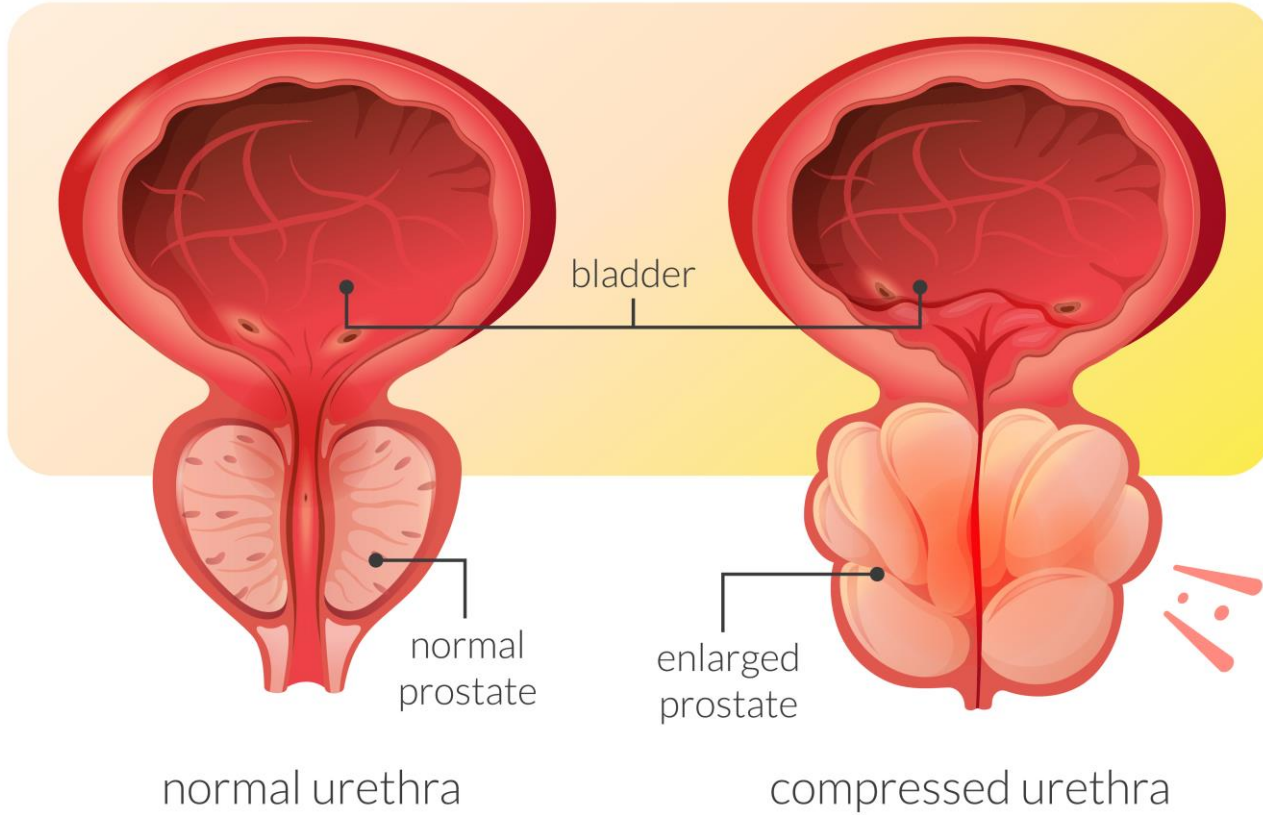
A close-up photograph of a large pile of fast-food items. The pile includes several burgers with various toppings, a large portion of french fries, a slice of pepperoni pizza, and pieces of fried chicken. The food is densely packed and fills the entire frame.

I HAVE TWO GOALS
1) TO LOSE THE WEIGHT FROM THE ACCIDENT

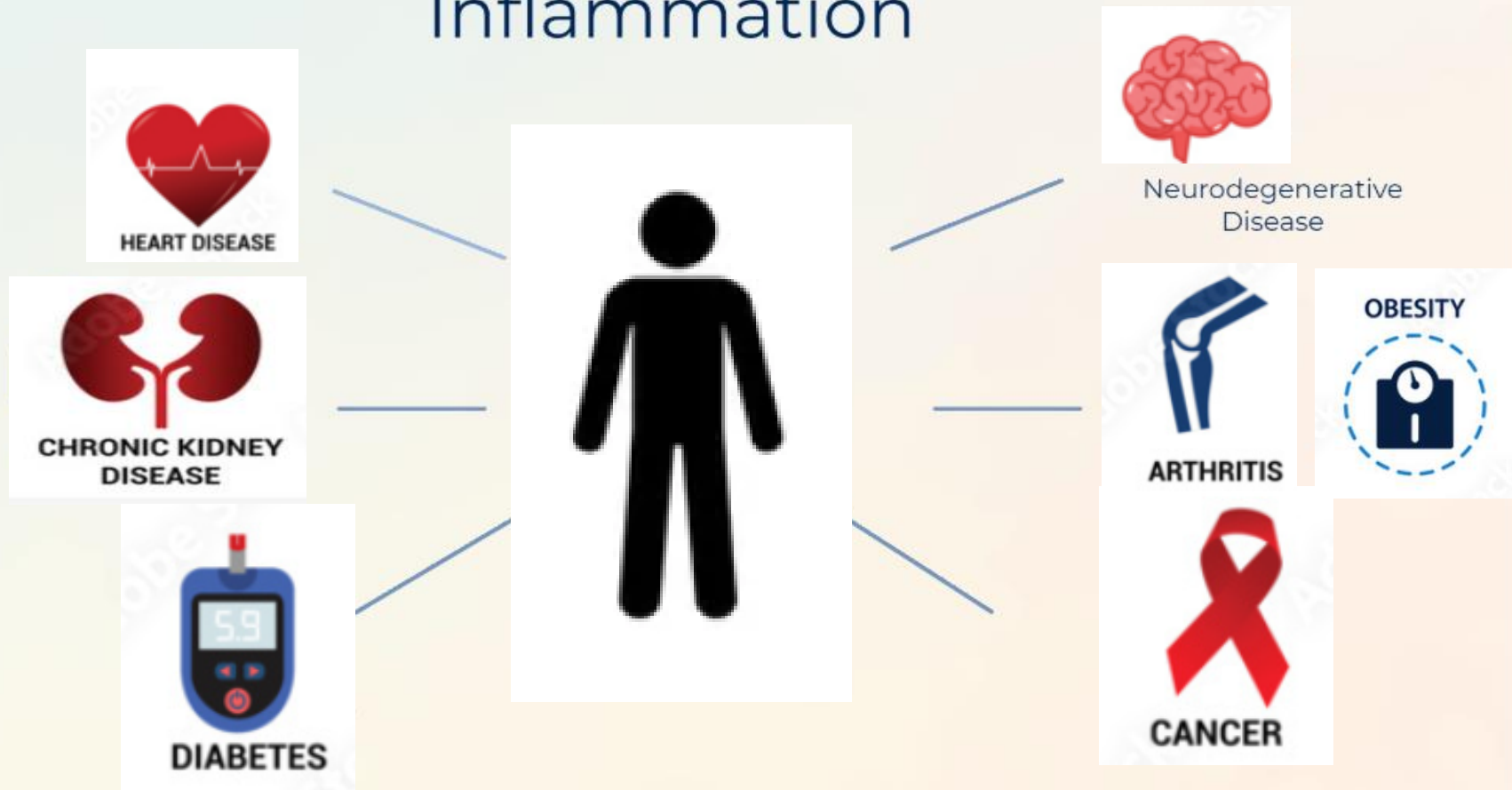
2) TO QUIT CALLING LAST
YEAR'S JUNK FOOD BINGE "THE ACCIDENT"

- Osteoarthritis
- Prostatitis
- Colitis
- Dermatitis
- Nephritis





Impacts of Systemic Inflammation



Food is the Foundation and the Frame

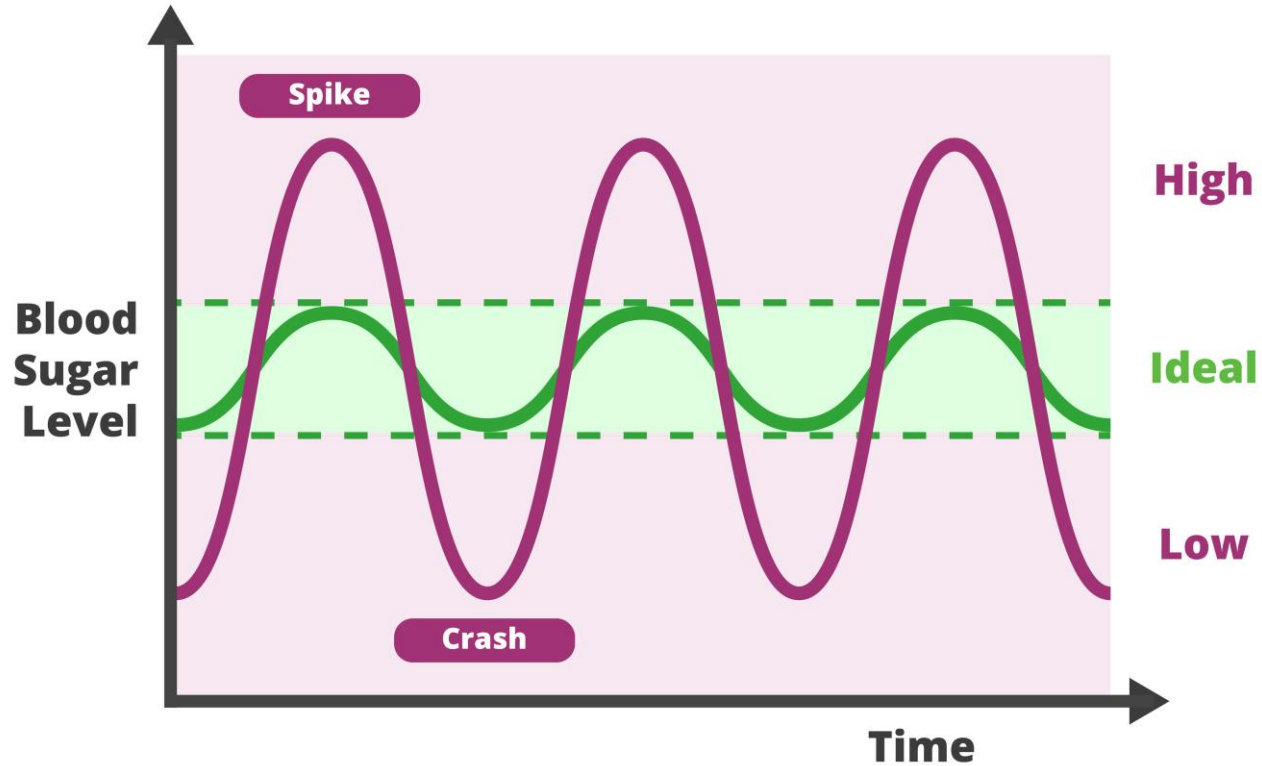




HEALING



Blood Sugar



What is Blood Sugar?



9 Grams Net Carbohydrates =



39 Grams Net Carbohydrates =



Risk Factors for Blood Sugar Issues

- Sedentary Lifestyle
- Constant High or Poorly Managed Stress Levels
- A diet *low* in fat and low in protein
- A diet high in carbohydrates
- Alcohol intake
- Nutrient Deficiencies/Adrenal Issues



What are some signs of blood sugar issues?

Early Signs:

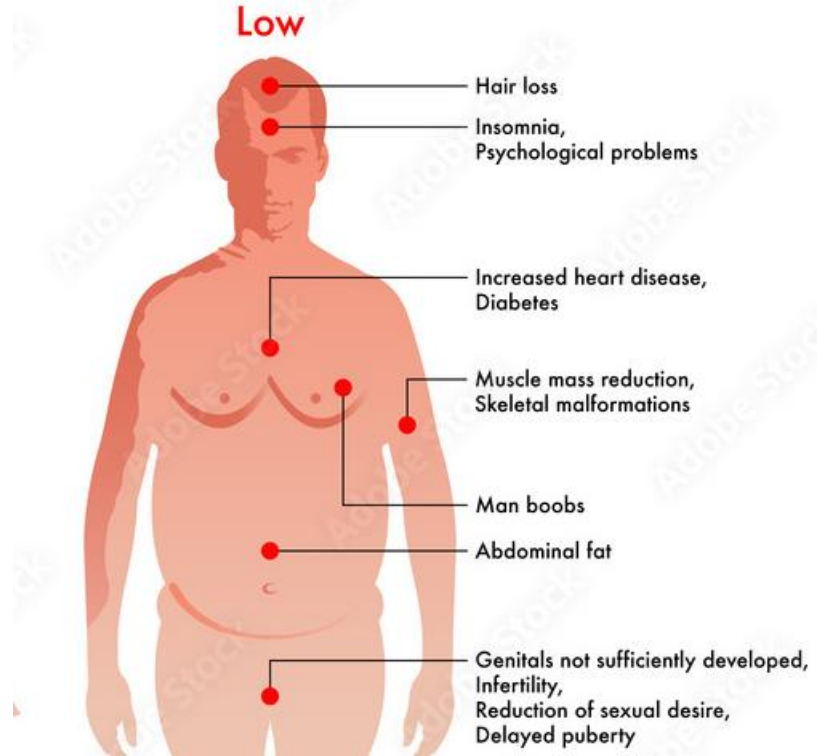
- Cravings for sweets between meals
- Dependency on coffee for energy
- Fatigue- eating makes this lessen
- Getting “Hangry”
- Moodiness/Anxiety
- Reactive hypoglycemia





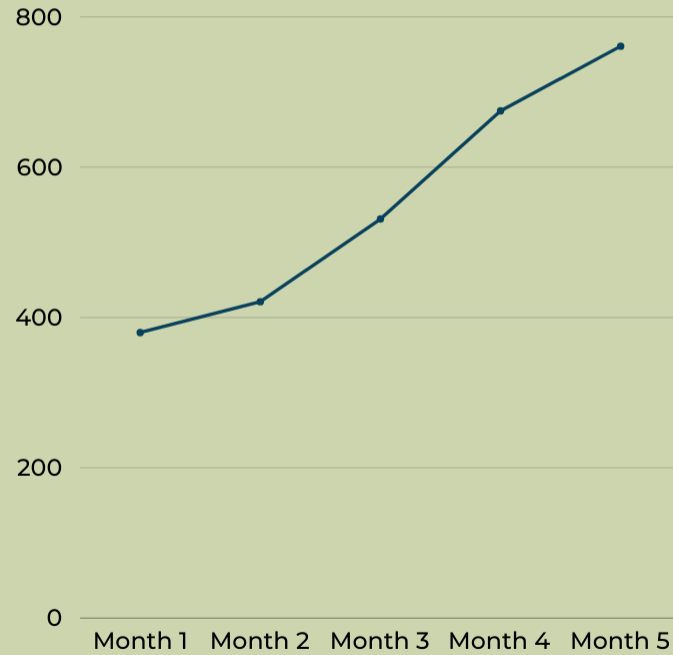
Men Specific Symptoms

- Can't stay awake during the day
- Insomnia
- Erectile Dysfunction
- UTIs
- Reduced Muscle Mass
- Low Testosterone



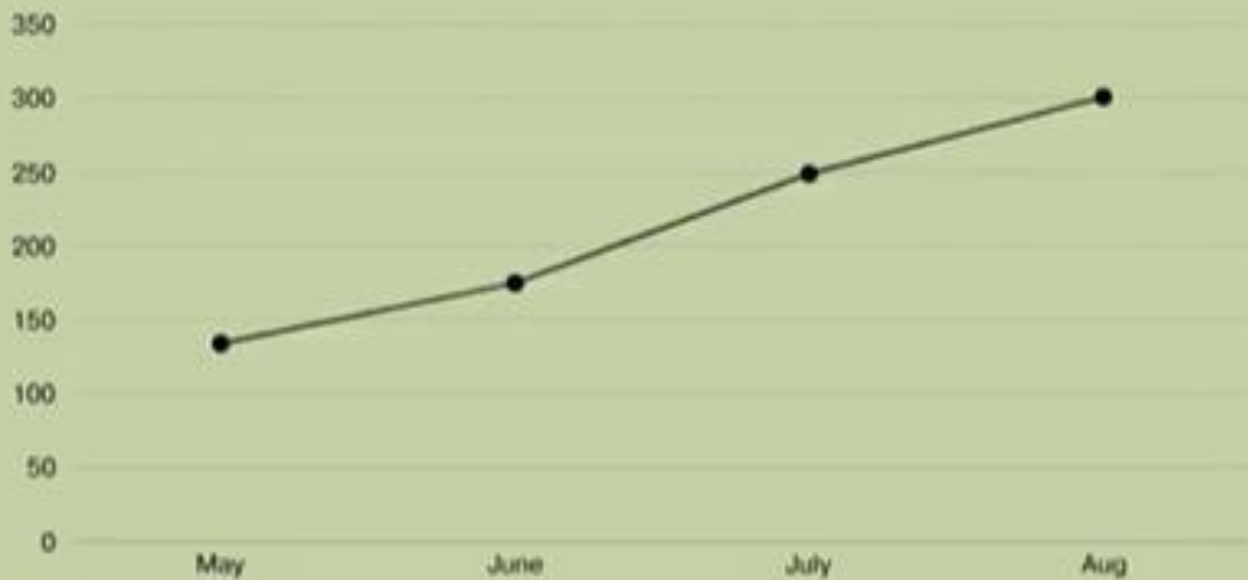
Testosterone Level

Male 65 Years Old



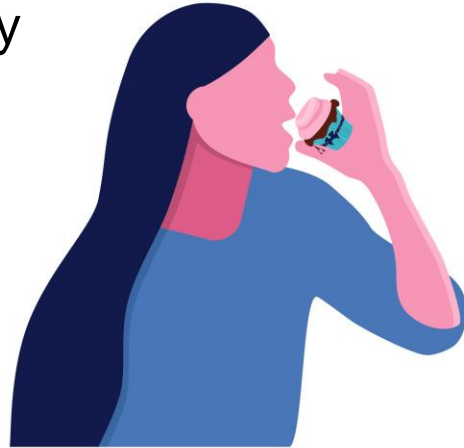
Testosterone

Male Age 62



Women Specific Symptoms

- Yeast Infections
- Urinary Tract Infections
- Lack of Energy
- Brain Fog
- Low Mood
- PCOS







What are some signs of blood sugar issues?

Later Signs:

- Waist circumference
- Fatty Liver
- High HbA1c
- Inflammation



FATTY LIVER

FUNCTIONAL LABS VS. “NORMAL” LAB RANGES

Ultrasound? Invasive biopsy?

Nah.

Let's use the TyG Index Calculator

Fasting Glucose 80 (Reference range 74-100 mg/dL)

Fasting Triglycerides 130 (Reference range anything under 150 mg/dL)

Everything looks healthy and good, right?



Healthy Liver



Fatty Liver

FATTY LIVER

Plug those two numbers into the TyG Index Calculator and get

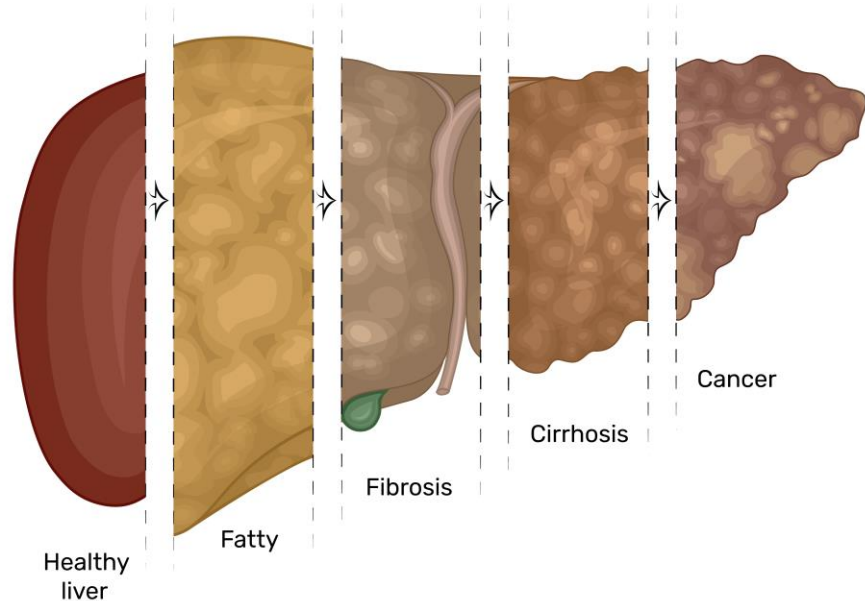
TyG Index #= 4.62

Anything over 4.49

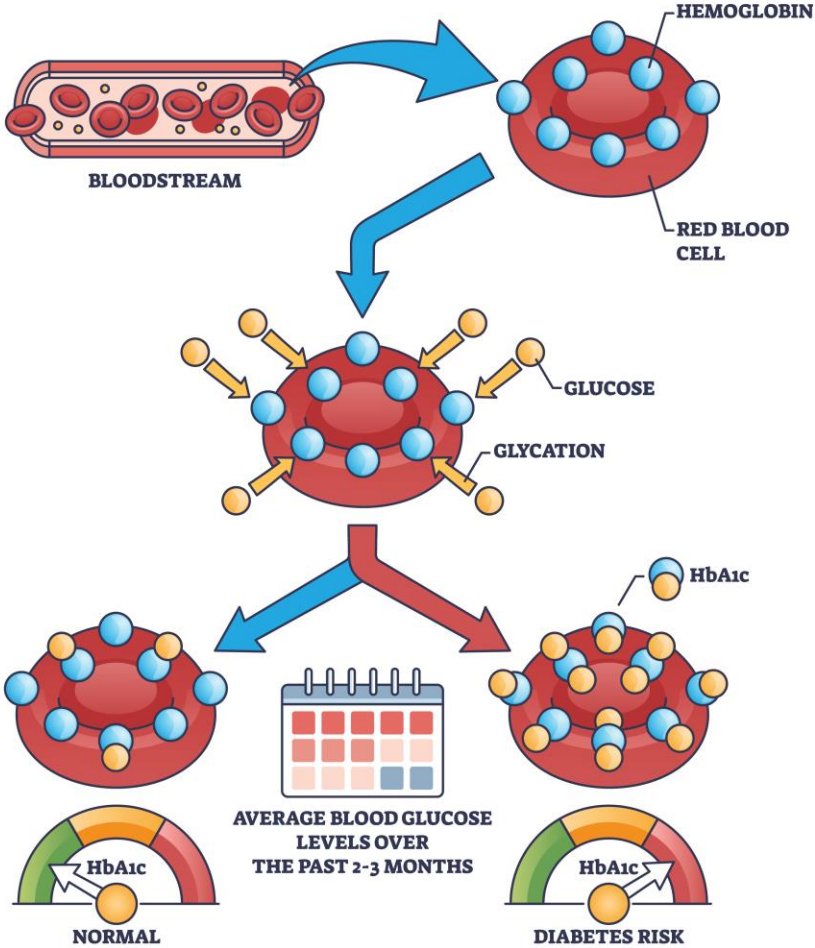
= High likelihood of fatty liver

= Insulin resistance

Stages of liver damage



HEMOGLOBIN A1C



HEMOGLOBIN A1C

Functional numbers versus “normal” reference ranges

“Normal” Ranges:

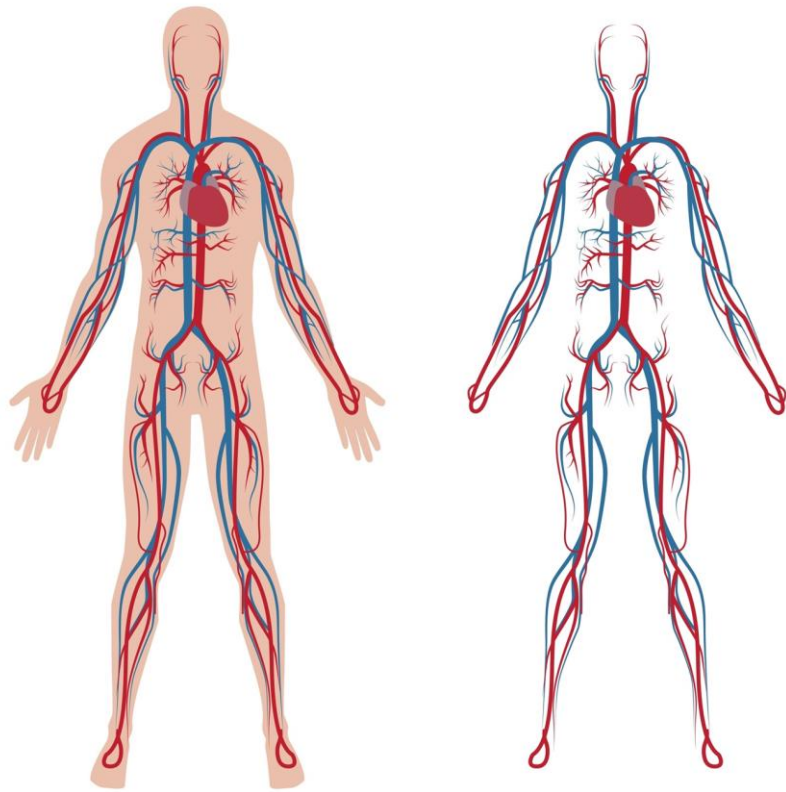
5.7%= Prediabetic

6.5% and above= Diabetic

Functional, ie, Healthy Ranges

5.3% and below healthy range

5.4% and above, too much sugar in the blood



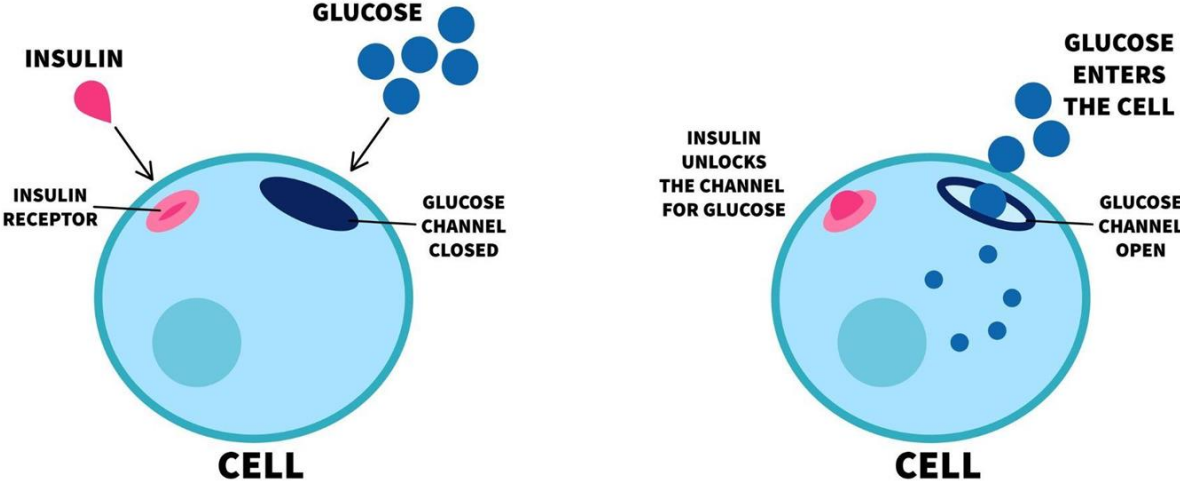
CIRCULATORY SYSTEM

Super Highway

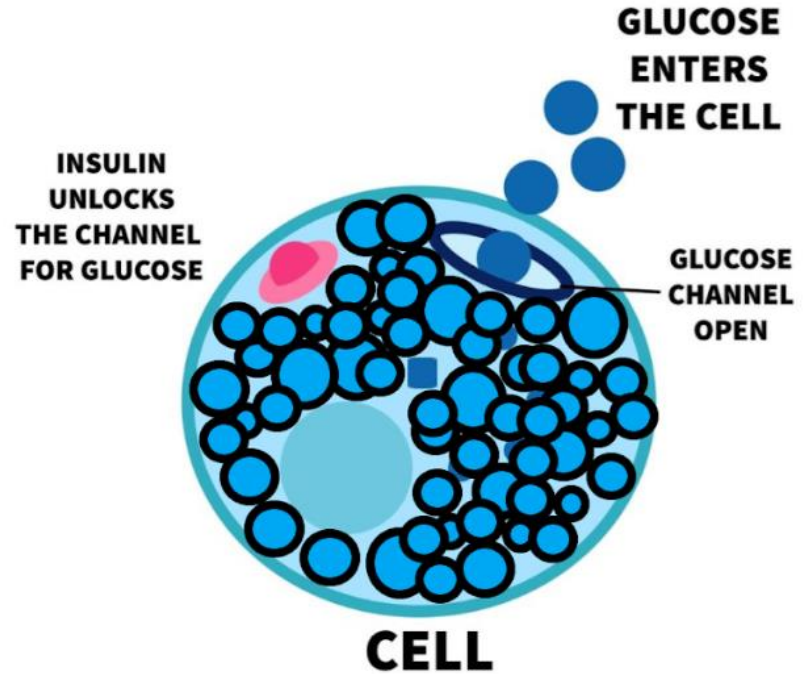
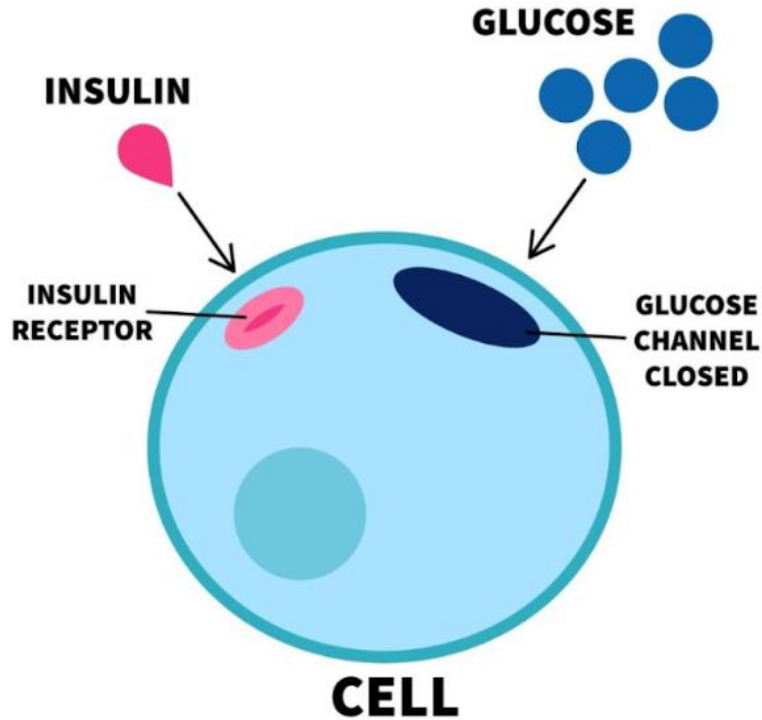
INSULIN AND BLOOD GLUCOSE

Insulin puts sugar (glucose) into the cells.

HOW DOES INSULIN WORK?



HOW DOES INSULIN WORK?

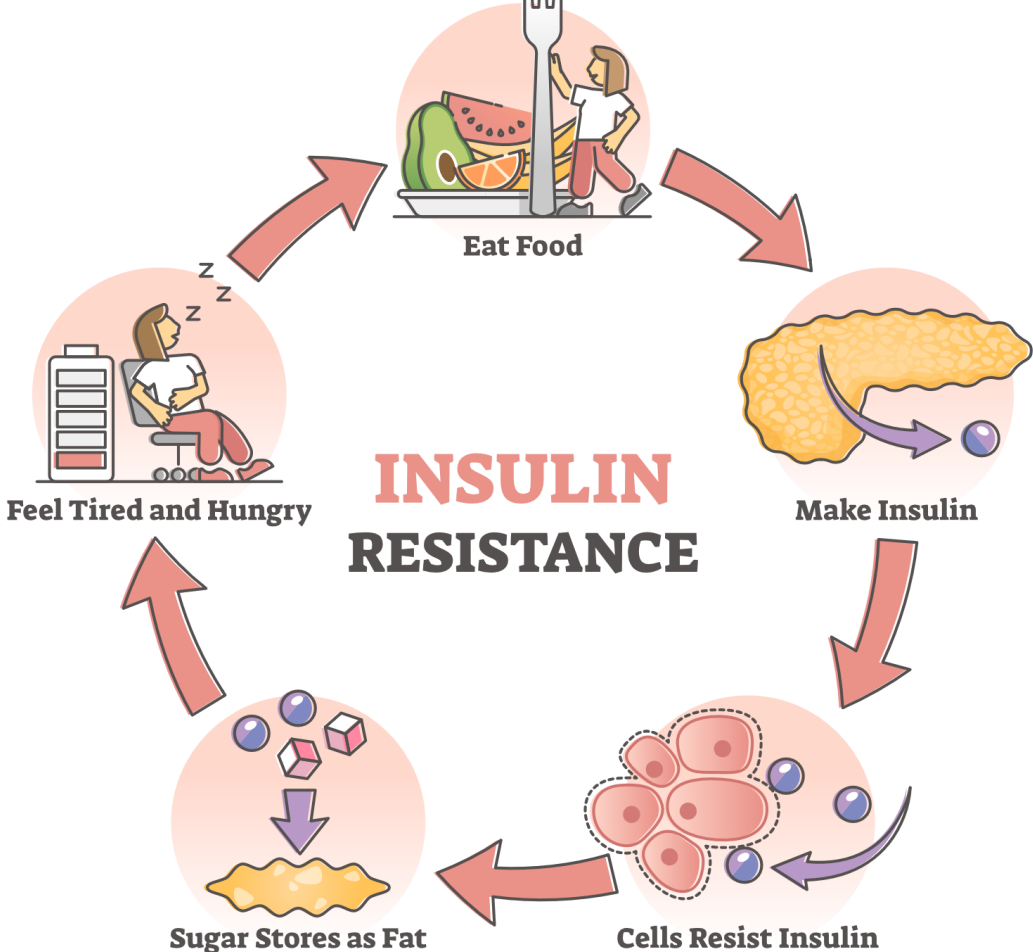


INFLAMMATION

20 car pile-up



WEIGHT GAIN-WEIGHT LOSS RESISTANCE



Carbohydrates/Glucose/Sugar/Fiber

Fiber IS a carbohydrate - Body can't break it down on a level to where it enters the bloodstream, so fiber does not raise blood sugar.

We can subtract it out of our carb count on our foods



FAVORITE FOODS



Mangos 25 g carbohydrates 3 grams fiber = 22 g carbohydrates/glucose

Grapes 18 g carbohydrates 1 g fiber=17 g carbohydrates/glucoe

Banana 27 g carbohydrates 3 g fiber = 24 g carbohydrates

Pineapple 22 g carbohydrates 2 g fiber = 20 g carbohydrates/glucose

FAVORITE FOODS

Refined Grain Products

Pizza 36 g carbs 3 g fiber= 33 g net carbohydrates

Pasta (spaghetti noodles) Carbs 43 Fiber 3= 40 g net carbohydrates

Bagels 55 g carbs Fiber 2= 53 g net carbohydrates

Crackers 15 g carbs Fiber 2= 13 g net carbohydrates

White Bread 18 g Carbs 1 g fiber= 17 g net carbohydrates

Donut 29 g carbs 1 g fiber= 28 g net carbohydrates

Honorable mention: pancakes, waffles, ice cream





25 March 2024



mg/dL

350

300

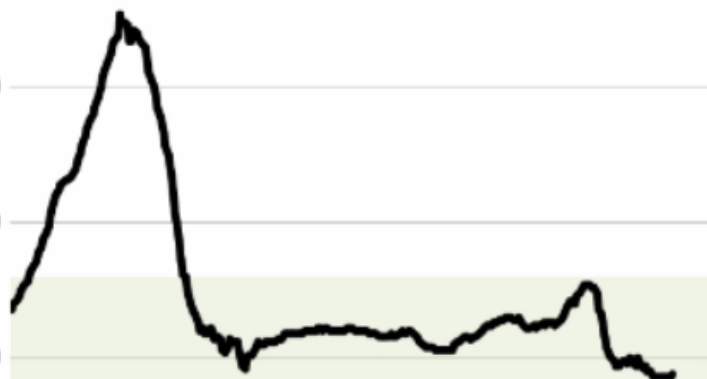
250

200

150

100

50



FAVORITE FOODS



Meat

0 carbs, 0 fiber

Vegetables

-Spinach 7g carbs, 4 g fiber

-Broccoli 6g carbs, 2 g fiber

-Zucchini 5g carbs, 2 g fiber

Nuts and Seeds

-Walnuts 1 g carb, .5 g fiber

FAVORITE FOODS

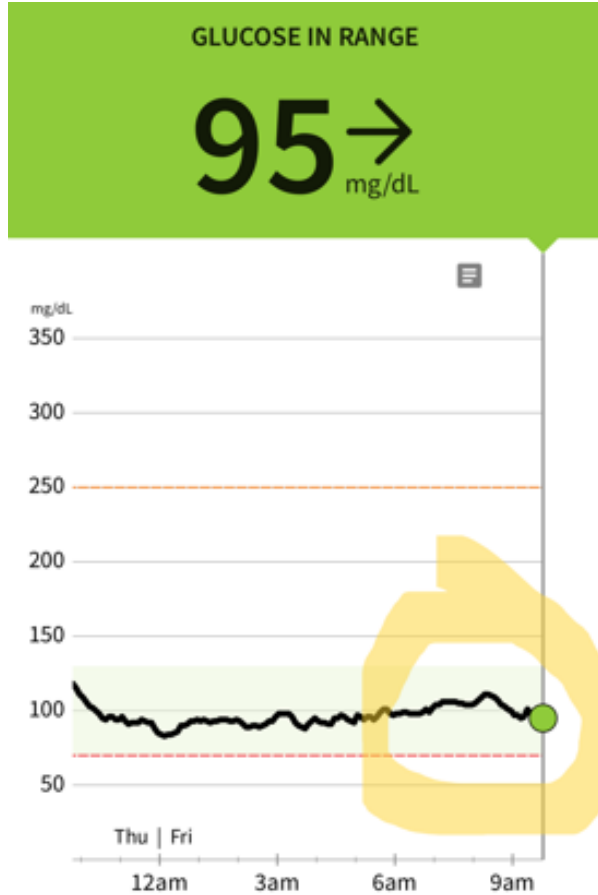
Dairy

- Skim milk 12 g carbs, 0 fiber
- 1%- 12 g carbs, 0 fiber
- 2% 12 g carbs, 0 fiber
- Whole Milk 12 g carbs, 0 fiber

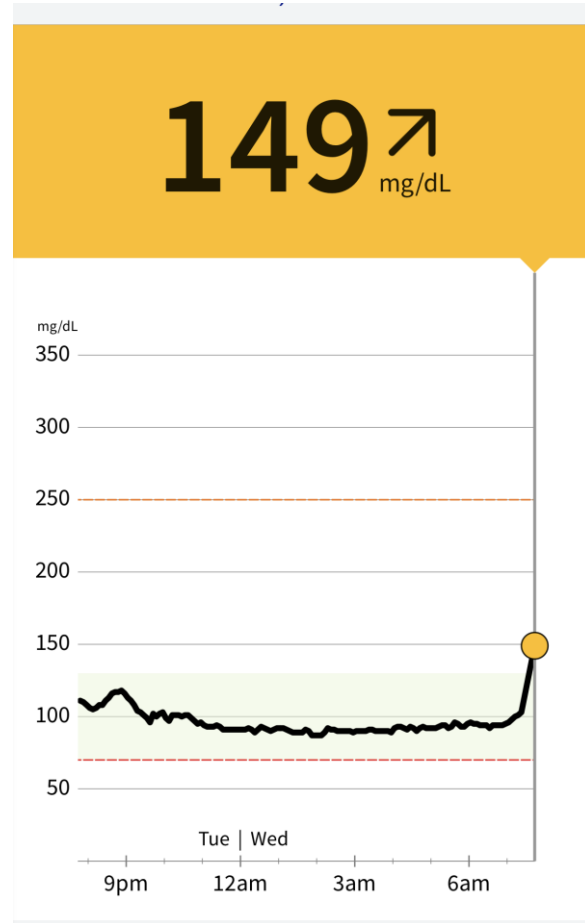
The difference is the fat content in the whole milk will help slow down a blood sugar spike. Protein and fat slow down blood sugar responses



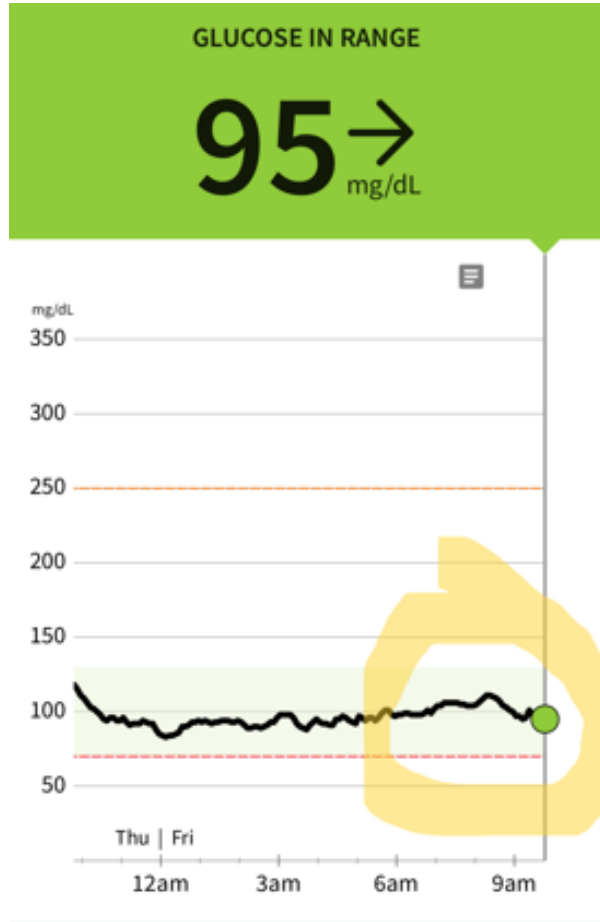
4 Ounces Raw Whole Milk



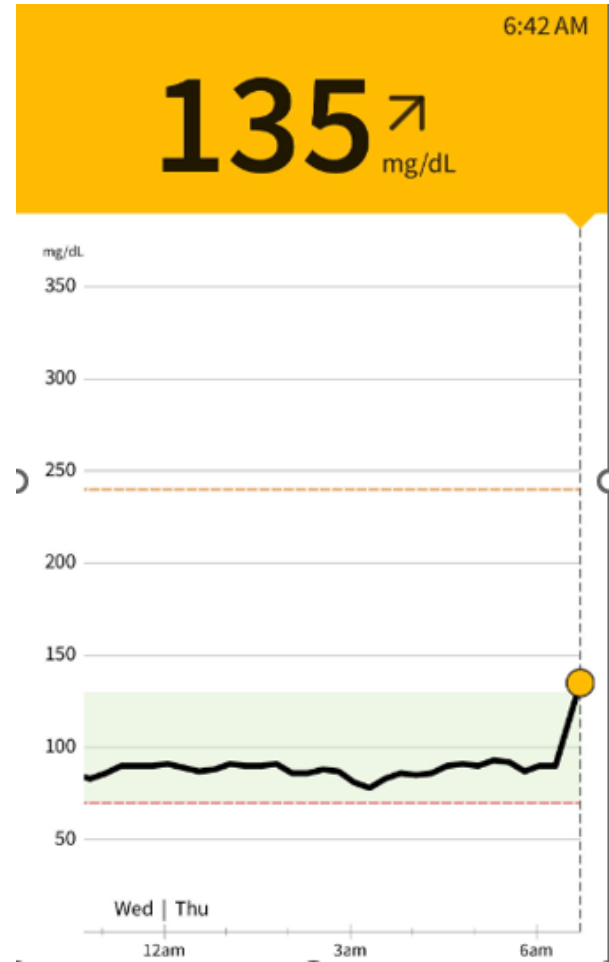
4 Ounces Skim Milk



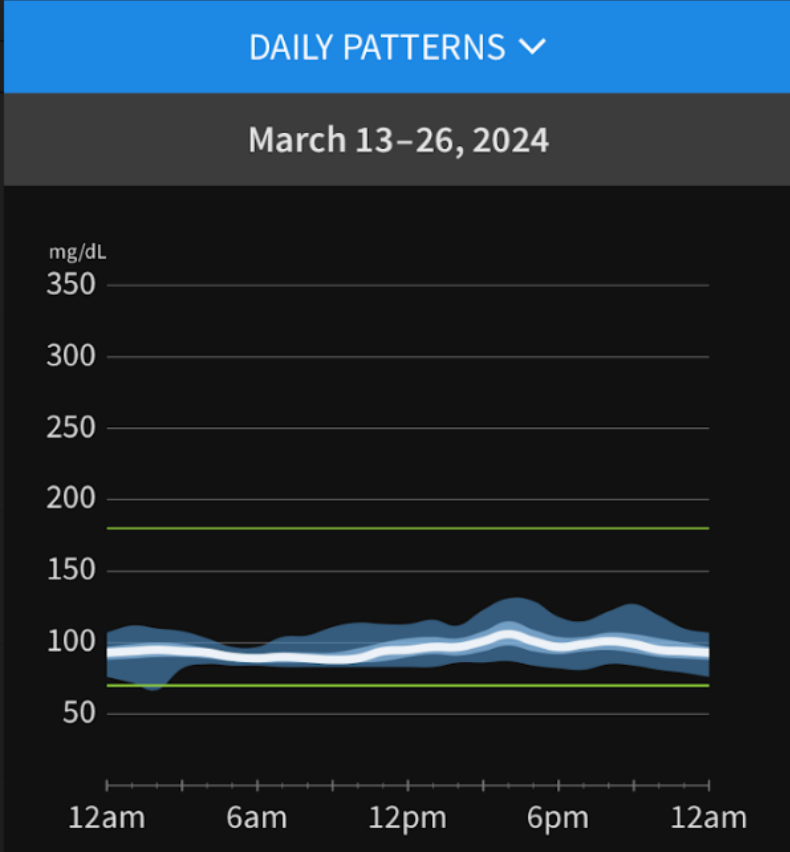
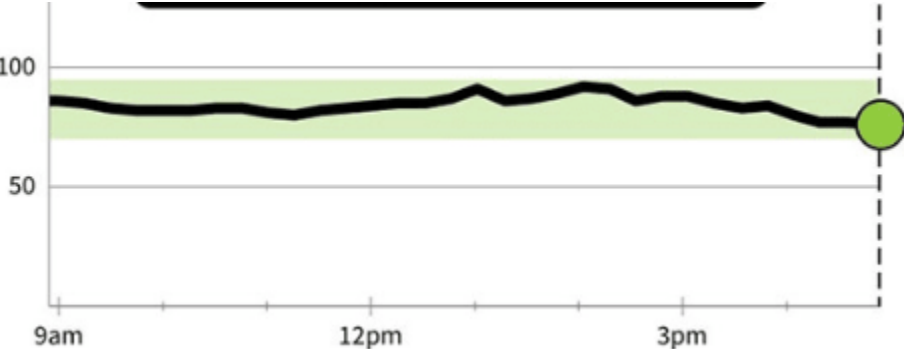
4 Oz Raw Milk



4 Oz Pasteurized Whole Milk



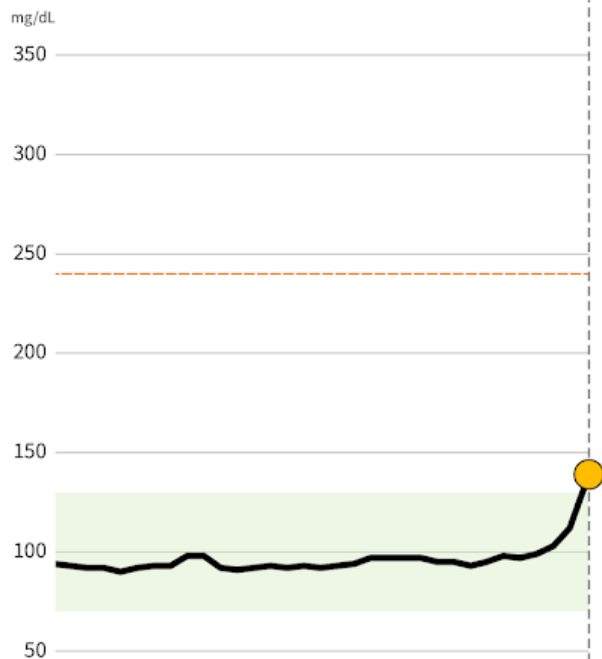
Favorite Foods



Potato Cooked in Animal Fat vs Cooked in Vegetable Oil

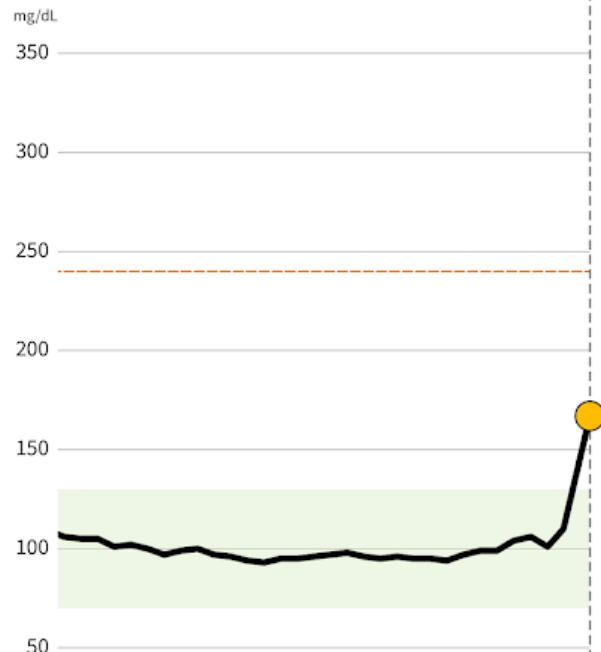
8:14 AM

139 →
mg/dL



7:34 AM

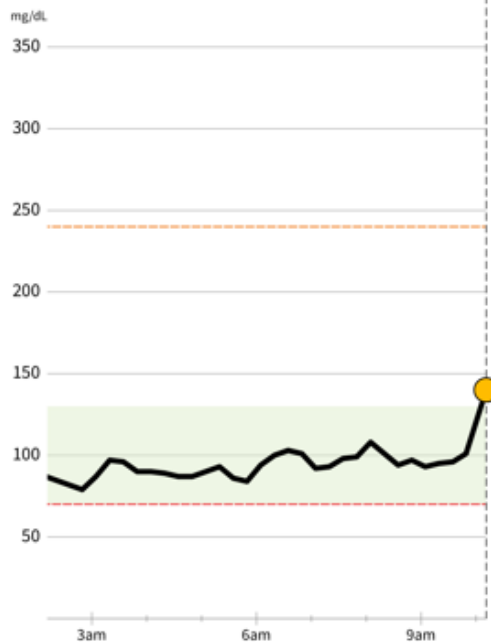
167 ↗
mg/dL



Whole Wheat

10:11 AM

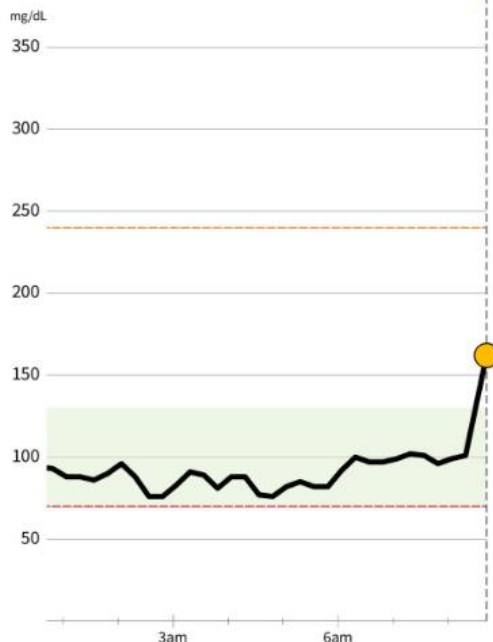
140 [↗]
mg/dL



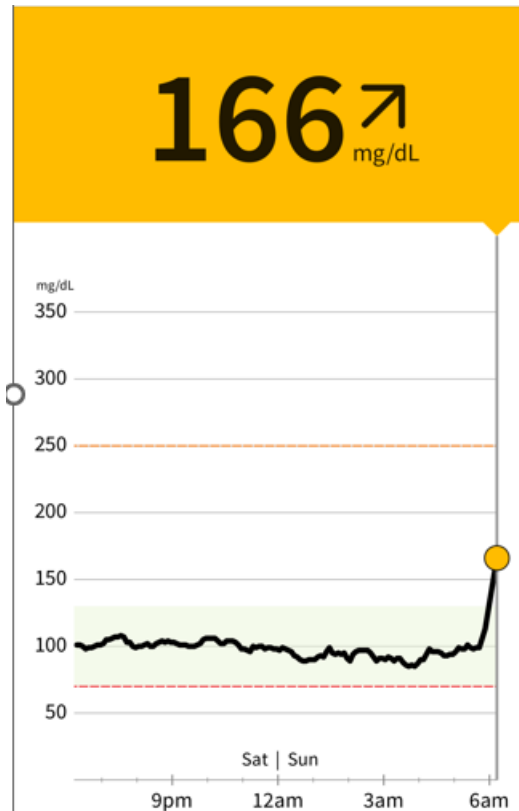
Sourdough Spelt

8:42 AM

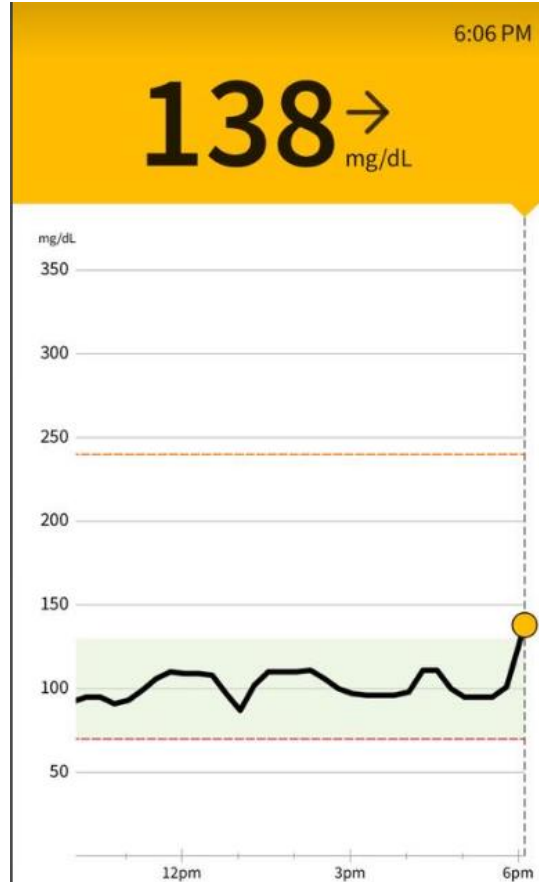
162 [↑]
mg/dL



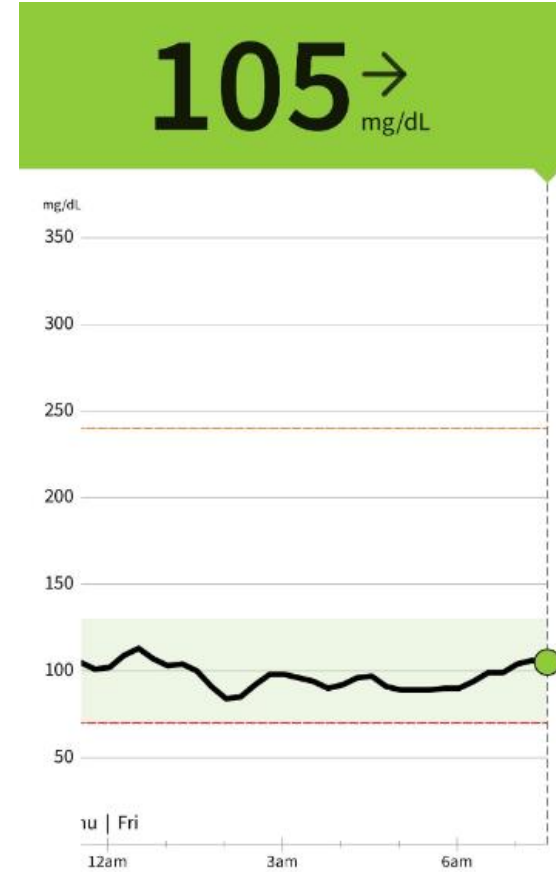
White Bread



Whole Wheat Bread-Margarine

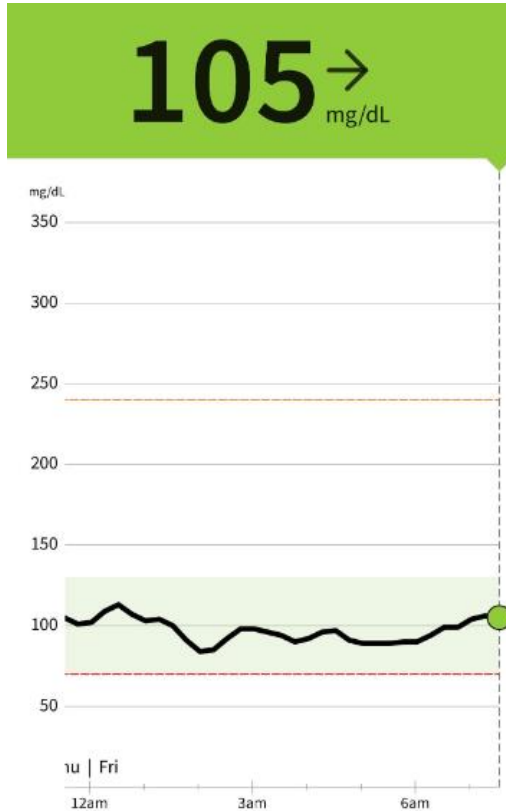


Whole Wheat Bread-Butter

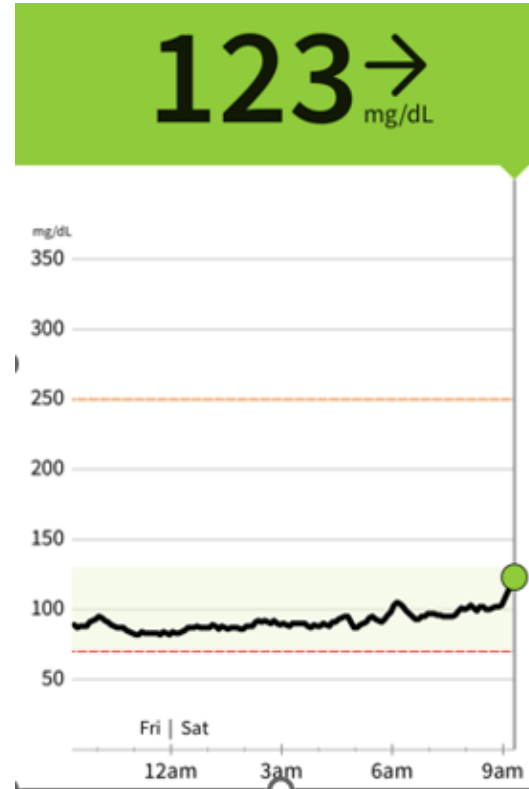


WITH BUTTER!

Whole Wheat Bread



White Bread



How do you know for sure what your superhighway looks like?

YOU NEED LABS!



TOOLS DIET!!!

FOOD IS THE FOUNDATION AND THE FRAME FOR YOUR HOUSE OF HEALTH



Assess How You Eat

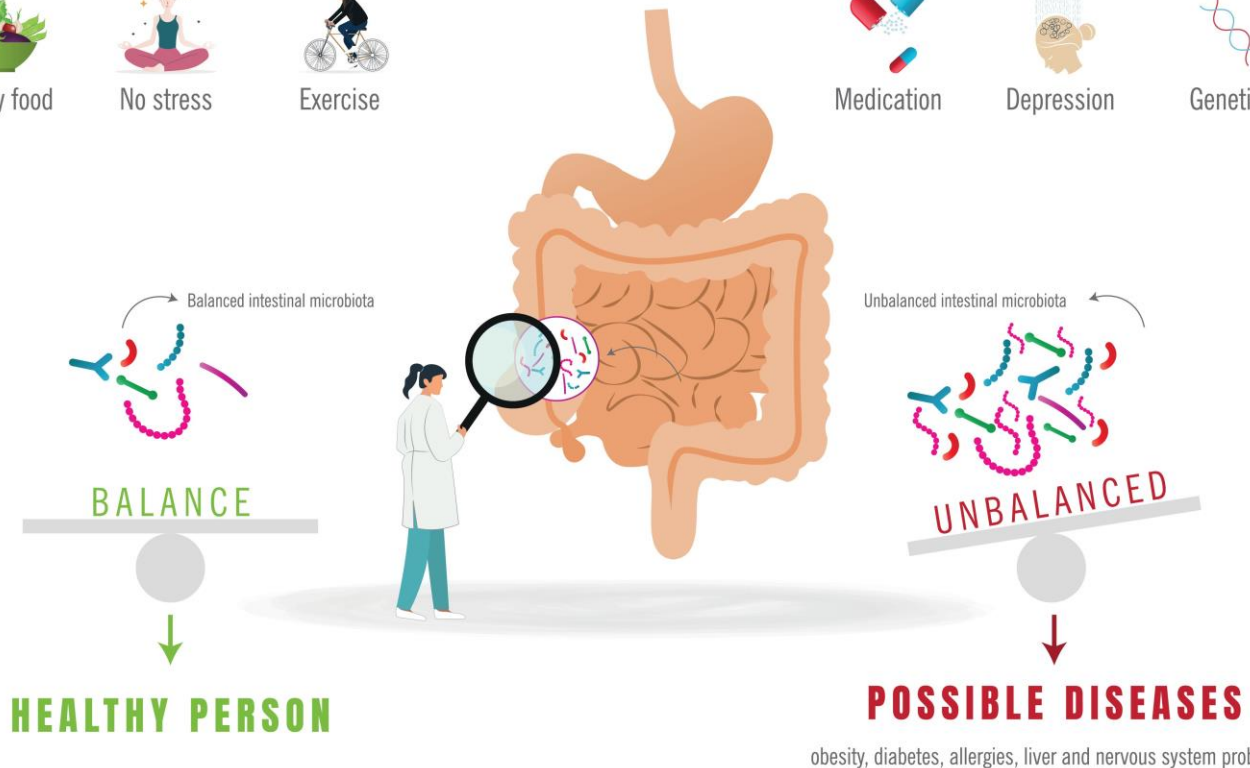


TOOLS

- Fermented Foods
- Healthy Fats
- Properly Prepared Plant Foods
- Good Quality Meats
- Balanced Meals



FERMENTED FOODS/HEALTHY GUT BACTERIA



TOOLS

HERBALS

- Insulin Plant
- Gymnema Sylvestre
- Fenugreek
- Barberry/Goldenseal (berberine)
- Amla
- Moringa
- Nopal (Prickly Pear)



TOOLS

AMLA and MORINGA



TOOLS
NOPAL (PRICKLY PEAR)



- Regular glucose meter
- Continuous Glucose Monitor
- Smart Watch (accuracy?)



Steps to Ditching Chronic Pain and Stubborn Weight

1. Get your labs done. If you don't know where you're at, you don't know where you need to go.
2. Honestly assess how you eat/know how foods impact your blood sugar
3. Work with a professional who can see beyond the "traditional" reference ranges and can help guide you/offer accountability



GOOD HEALTH & HEALING

- Steady Energy
- No Carb or Sugar Cravings
- No “Hangry” Episodes
- Sleep Quality is Good
- Pain Relief
- Healing Happens

