## ARE YOU ON THE BLOOD SUGA noller coaster





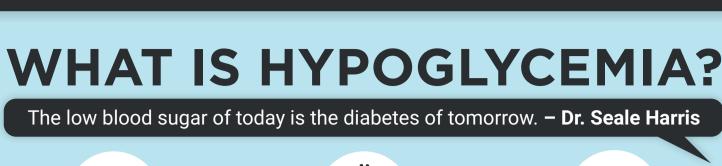
HIGH BLOOD SUGAR =



Yes - Gift

CONGRATULATIONS!
YOU MAY HAVE RECEIVED
"THE GIFT OF HYPOGLYCEMIA"

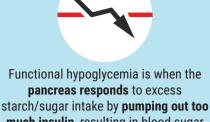
Because long before you get type 2 diabetes or heart disease, low blood sugar, also called **Hypoglycemia**, sends you insistent warnings, like a "canary in the coal mine," while you still have time to spare yourself. The gift messages take many forms: anxiety, depression, physical and mental fatigue, **brain fog and cravings** — all with the same greeting: 'Change while there's still time.' Assuming you listen and act, it could save you a lifetime of unnecessary suffering. - Dorothy Mullen, Founder, The Suppers Programs



Half of U.S. adults have diabetes or Complicated, misunderstood, and Hypoglycemia can be associated with often misdiagnosed - the definition metabolic disorders, genetics, and prediabetes - estimated to cost the U.S. economy \$327 billion in annual of hypoglycemia is as diverse and medical conditions, and has far-reaching healthcare expenditures. clinical, economic, and social impacts. complex as the condition itself.

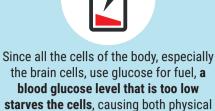


overloaded with unhealthy substances: sugar, processed food, alcohol, caffeine, and tobacco - often compounded by stress or other medical conditions.



much insulin, resulting in blood sugar plummeting below healthy levels. Functional hypoglycemia refers to decreases in blood sugar that cannot be explained by any known pathology or disease. It's a nice way of saying, "Your glucose regulating mechanisms aren't functioning normally, and we don't know why."

> in blood glucose levels caused by diet or stress. The terms are now frequently interchangeable. - Dr. Douglas M. Baird

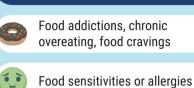


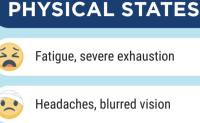
and emotional symptoms. Reactive hypoglycemia refers to hypoglycemia resulting from the body's abnormal response to rapid rises

Hypoglycemia is associated with a wide variety of diet-related disorders (metabolic syndrome, type 2 diabetes, fatty liver disease, etc.) and medical conditions (critical illness, drug side effects, organ failure, gastric bypass surgery, etc.). **METABOLICAL FACTS** 

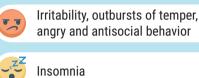
Carbohydrates (vegetables, fruits Sugars enter the metabolic system The pancreas secretes a and grains, as well as table sugar) and bloodstream, and blood sugar hormone known as insulin into are broken down into simple sugars rises, sometimes to excessive levels the blood in order to bring the by the process of digestion. that the body is unable to process. glucose down to normal levels.







**MEDICAL** 



consciousness

Depression, crying spells, mood

swings/emotional instability

Mental confusion, inability to

IF YOU ARE HAVING Rapid or irregular heart beat SEVERE (ACUTE) SYMPTOMS OF LOW BLOOD SUGAR, Cold hands and feet

## Suicidal tendencies

**THE CHRONIC** (day-to-day roller-coaster experience)

## THIS INFOGRAPHIC FOCUSES ON

SEEK MEDICAL ASSISTANCE

Hypoglycemia is most often related to an

unhealthy food environment - our diet,

food system and culture is flooded with

ultra-processed products featuring

nutrient-poor carbohydrates and additives.

## Sweating

the ACUTE EXPERIENCE of Low Blood Sugar



Diet is the leading factor in

producing hypoglycemia

as well as the primary

method for controlling it.

Blood sugar disorders are a result

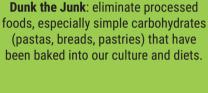
of our altered biochemistry,

which is often the result of our

altered food environment.



and debilitating mental health issues. Hypoglycemia is mainly a condition related to a bad food environment - diet - because our diet, our food system, and our food culture is flooded with processed carbohydrates and sugar.



Cut out ultra-processed foods

with preservatives, additives,

food dyes, and fillers.

You are what you **metabolize**:

everything that you eat and

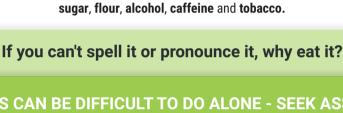
drink affects how you think,

feel, and act.



food sources, low in starch, high in fiber, and rich

in nutrients) - in other words - real food.



It is imperative to limit or remove trigger

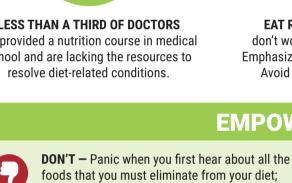
foods and substances that invite negative

blood sugar and insulin responses, such as

situations where **healthy choices** may not be available

(airplane travel, social situations, etc.).

Many find it possible to reverse metabolic Small and more frequent meals may help stabilize disorders, such as hypoglycemia, by restricting blood sugar - but frequency of meals is less important carbohydrates, and emphasizing "safe-carbs" than quality. Keep healthy snacks on hand: we are (complex carbohydrates from high quality whole bombarded by unhealthy food choices - be prepared for



STRESS and Hypoglycemia

from hypoglycemia.

focus on what you can and cannot eat can foster

fear, anxiety, stress, and frustration.



www.hypoglycemia.org/diet

THE DROP IN BLOOD GLUCOSE IS REAL. Diligence with diet during times of stress is vital!

I believe that once you understand how stress, like poor diet, can trigger hypoglycemia, you will understand the need to control both. The more overanxious you become about this condition, the more difficult it will be to get it under control. Dr. Lorna Walker

**MEDITATION** 

**AND YOGA** 

STRESS REDUCTION

Small things can reduce stress like

listening to music, calling a friend,

LIFESTYLE and Hypoglycemia



STRESS CAN ADVERSELY AFFECT YOUR BLOOD SUGAR HEALTH

When the blood supply is flooded

with sugar, the pancreas begins

to over-secrete insulin, and the

blood glucose yo-yo begins.

COOKING

You must be even more diligent with your diet

during times of stress.

YOU WRECK YOURSELF!

heal yourself.

**DO** – Keep a diet/symptom diary. Establish a personal

metabolizing. Self-monitoring is inexpensive and can

diet blueprint that reveals what you are eating and

reveal what isn't working.



body is telling you. having a healthy snack, watching a comedy, or taking a walk or a nap. Don't hesitate to reach out for help or seek a healthcare professional. You don't have to be on this healing journey alone.

**SOCIALIZE** 

like-minded, positive people.

• Ask for help when you need it.

· Find ways to help others who

face similar challenges.

· Connect with others - get support from

Your LIFE is not your life situation.

Stress is an opportunity

to listen to what your



**LIFESTYLE** REST

**EMPOWER YOURSELF** 

environment, but you can change that. Plan for the best, prepare for the worst. Every day we are bombarded with bad food choices.

"Poor eating habits, the addition of unhealthy ingredients, increased stress and poor sleeping habits has led to the increased incidence of this underappreciated blood sugar disorder: hypoglycemia." - Dr. Keith Berkowitz, M.D, Medical Director for The Center For Balanced Health

SOCIALIZE - YOU DON'T HAVE TO DO IT ALONE - REACH OUT - SEEK HELP, find support - friends, family, community.

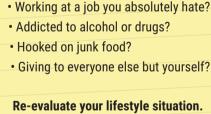
PREPARE - Get educated, always have some healthy food available, we live in a bad food

Ask, demand, that the important people in your life support your healthy diet and lifestyle.

**MEDICAL CONDITIONS** 

• Learn to cook and enjoy your food with others. • Enjoy your meals in a relaxed atmosphere. Keep a food journal to identify patterns and tailor your diet.

You are not a "Hypoglycemic" - you are a person with low blood sugar. Focus on changing the conditions that are affecting your health. · Start taking the first steps to



change what you can. · Can't do it alone?

· Reach out and seek help.

**IDENTIFYING AND** 

DIAGNOSING HYPOGLYCEMIA

Be prepared to provide details

about your condition, and if you

aren't being taken seriously,

seek advice from another

healthcare professional.

Personal data collection can be life-changing.

Keeping a journal of your symptoms and diet is

invaluable to your doctor or healthcare provider.

an absolute must. This information can be

EXERCISE

• Enjoy exercise, get outside into nature

and enjoy the fresh air and sunshine.

· Mild to moderate exercise helps -



There are many medical conditions

that can precipitate or manifest as

A glucose tolerance test (GTT)

measures how well your body's cells

are able to absorb glucose after you

ingest a given amount of sugar.

Seek medical attention while being aware that some doctors may not see or understand low blood sugar symptoms, view them as serious concerns, or treat the symptoms versus the causes. **GLUCOSE TESTING** 

Some doctors do not perform the GTT

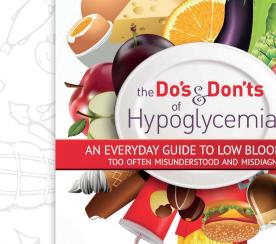
test on the very young or elderly, and

some are reluctant to perform the test.

Others may not be adequately trained to

diagnose and treat hypoglycemia.

Understand the purpose, procedure, and instructions before you have the GTT administered. As an informed patient,



TO SEEK PROFESSIONAL MEDICAL ADVICE AND/OR TREATMENT. Hypoglycemia Support Foundation, Inc. is a tax-exempt 501(c)(3) nonprofit organization. The information in this infographic is not intended or implied to be a substitute for professional medical advice, diagnosis or treatment. All content, including text, graphics, images and information, contained on or available through this infographic is for general information purposes only. © 2018 Hypoglycemia Support Foundation, Inc.

New Tech + Old School: continuous Glucose Monitoring technology has the potential to transform diagnoses of hypoglycemia - matched with good old fashioned food journaling. **EMPOWER YOURSELF** Collect and organize information on your condition, symptoms, dietary habits, and blood/medical tests.

AN EVERYDAY GUIDE TO LOW BLOOD SUGAR

**ACKNOWLEDGMENTS** 

FOUR KEY CAUSES OF HYPOGLYCEMIA **STRESS** DIET LIFESTYLE **CONDITIONS** Don't ignore symptoms, even though many do Hypoglycemia is one of the most confusing, complicated, (including some healthcare professionals). misunderstood, and too often misdiagnosed or undiagnosed conditions of modern medical history. SYMPTOMS OF HYPOGLYCEMIA Low blood sugar is now so widely experienced that it seems "normal" to many - low blood sugar is NOT normal. Perhaps you are aware of the symptoms, but just don't know what they mean or how to respond. Taking these symptoms seriously could change your life. DIET RELATED **MENTAL STATES** 

concentrate, brain fog Fainting or blackouts, loss of Dizziness, shakiness or Sudden hunger - "Hangry" loss of balance. Numbness, muscle twitching, Nervousness, restlessness Anorexia or obesity joint pain Convulsions Phobias, irrational fears **OUR FOCUS IS ON** PREVENTION 4

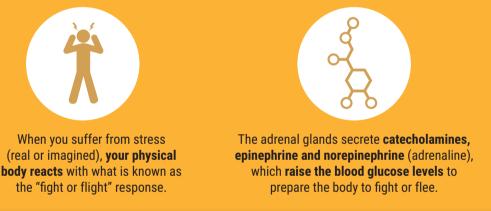






**LESS THAN A THIRD OF DOCTORS** EAT REAL FOOD - fad diets **COOK** - shopping, preparing don't work. Dunk the junk food. are provided a nutrition course in medical and cooking your own food school and are lacking the resources to Emphasize whole, real, fresh foods. is the most powerful way to

Avoid drinking your calories.



MUSIC VISIT FAMILY **OR FRIENDS** PAY ATTENTION TO THE RELATIONSHIP BETWEEN HYPOGLYCEMIA AND STRESS

LAUGHTER

**MILD EXERCISE** 

The perfect diet will not work

if one's stress levels cannot

be lowered or controlled...

it just can't happen.

 Pay attention to your sleep patterns. it doesn't have to be extreme. · Reduce the time you spend on devices. · Sleep deprivation raises your cortisol Here's a Checklist and causes depression. Exercising too much and for too long?

This infographic was made possible thanks to a generous donation from **Connie Bennett**, author of Sugar Shock and Beyond Sugar Shock. I never would have gone 20 years sugar-free without the tremendous support from the amazing HSF and Roberta Ruggiero. For constant and generous support, our deepest appreciation to the HSF family, friends, sponsors, donors, board of directors, advisors, and partners. Special thanks to Dr. Phyllis Schiffer-Simon, who, although no longer with us, continues to inspire by her example and dedication to the HSF. Senior Editors and Producers: Roberta Ruggiero, HSF Founder and President, and Wolfram Alderson, HSF CEO.

Glucose tolerance tests are not indicated for all patients with hypoglycemia. People who have history of upper intestinal surgery or other medical conditions may not tolerate the GTT and the data may not be helpful. Doctors may wish to assess glucose and hormonal patterns in a variety of ways, depending on the patient's unique history. Some doctors will also want to look at insulin levels the relationship between your blood sugar and insulin functions is an important one that is sometimes overlooked or misunderstood. Learn more about testing for Hypoglycemia. Testing for Hypoglycemia is complex and challenging. Find out more at: www.hypoglycemia.org/test Educate yourself about blood sugar. Seek healthcare providers knowledgeable about Apply and commit to a defined course of hypoglycemia or be prepared to get second opinions. treatment, including lifestyle changes. RESOURCES "Among the Best Lay Medical Books in Public Libraries... A simple, accessible explanation of what it is, and how to cope with it." -American Library Journal

Visit www.hypoglycemia.org/info for more information and special offers

resident and Founder of The Hypoglycemia Support Foundation, Inc IF HYPOGLYCEMIA (LOW BLOOD SUGAR) IS AFFECTING YOU, DO NOT HESITATE

Razionale Fantasia.com

you and your physician can determine whether or not the GTT test is for you.