

Insulin 101

INSULIN

- Controls how our body handles incoming food
- The longer you are overweight the higher your fasting insulin goes
- The higher your FASTING INSULIN the further along towards obesity / Metabolic Syndrome and TYPE 2 diabetes you are

Hi INSULIN Promotes weight gain by storing fat

- Causes your cells to become resistant to the hormone's effects.
- When you become insulin resistant, your pancreas produces even more insulin, creating a vicious cycle
- Lowers magnesium levels and increases inflammation
- Lowers HDL Cholesterol and raises LDL
- ALL of the above increase the risk of diabetes and heart disease

HIGH INSULIN PROBLEMS:

- Associated with abdominal obesity/hypertension/high cholesterol/high glucose (aka METABOLIC SYNDROME) & an increased risk for heart disease
- Excess hunger is created
- When high the body will never use/burn stored fat as energy

Avoid HIGH INSULIN:

- Follow a LOW carb diet (under 150 200 g is a good start)
- Eliminate processed foods/sugar/four
- · Increase plant food and fiber
- Increase healthy fats such as liberal amounts of olive oils, olives, nuts and seeds, avocado
- Moderate amount of wild and grass-fed fish, poultry and meat
- Reduce grains /HIGH omega 6 oils such as soybean, canola, corn, cotton seed, sunflower (These are extracted from plants using either a chemical solvent or oil mill. Then they are often purified, refined and sometimes chemically altered)
- Exercise/Move more and regularly
- · Avoid being sedentary
- Practice Time Restricted Eating (A common form of TRF involves fasting for 16 hours each
 day and only eating during the remaining 8 hours, typically on the same schedule each
 day. A more liberal practice would be 12 hours of fasting and a 12 hour eating window, or a
 stricter form would be to eat one meal per day, which would involve around 23 hours of fasting
 per day)
- Eat carbs with fat or protein to temper their breakdown and conversion to glucose
- Take apple cider vinegar
- Watch portions
- · Add cinnamon to food

Note About SODA:

Some Studies Link Diet Soda to Diabetes and Heart Disease.

Although diet soda has no calories, sugar or fat, it has been linked to the development of type 2 diabetes and heart disease in several studies.

Diet Soda and Metabolic Syndrome: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4446768/
& https://www.ncbi.nlm.nih.gov/pubmed/19151203

Diet Soda Associated with Long Term Increases in Waist

Circumference: https://www.ncbi.nlm.nih.gov/pubmed/25780952