DIABETES AND METABOLIC

SYNDROME

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TODAY WE WILL DISCUSS...

- 1. What is diabetes?
- 2. What is metabolic syndrome?
- 3. How to prevent diabetes and metabolic syndrome
 - a. Exercise
 - b. Diet
 - c. Genetic testing
 - d. Early screening
 - e. Taking prescribed meds

4. Complications

WHAT IS DIABETES?

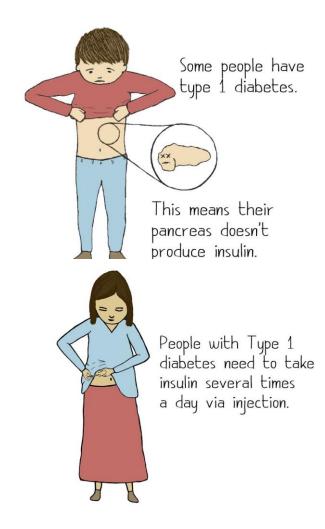
- Long lasting health condition that affects how your body turns food into energy
- Food is broken down into sugar and released in your bloodstream
- Insulin helps the sugar get inside your cells to give your brain and other organs energy energy





TYPE ONE DIABETES

- Pancreas is not making insulin
- Body gets tired due to no energy going into the cells
- Normally diagnosed in children but now starting to see in adults
- Life long treatment with insulin injections

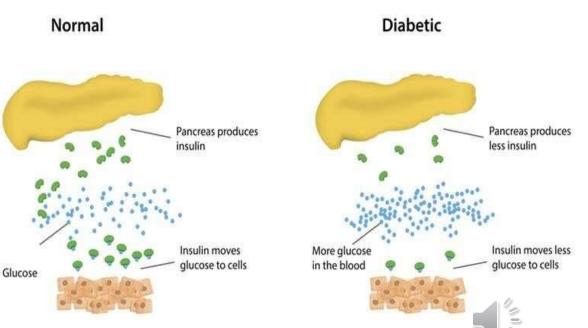




TYPE TWO DIABETES

- Your pancreas produces insulin but your body becomes resistant to it and can not properly process sugar
- Some factors leading to becoming insulin resistant is being overweight and inactive

Type 2 Diabetes



SYMPTOMS OF DIABETES

Urinate (Pee) a lot Very thirsty Lose weight without trying (Type 1) Weight gain Very hungry Blurry vision Numb or tingly hands or feet Very tired Dry skin Sores that heal slowly

7 COMMON SYMPTOMS OF TYPE 2 DIABETES



METABOLIC SYNDROME

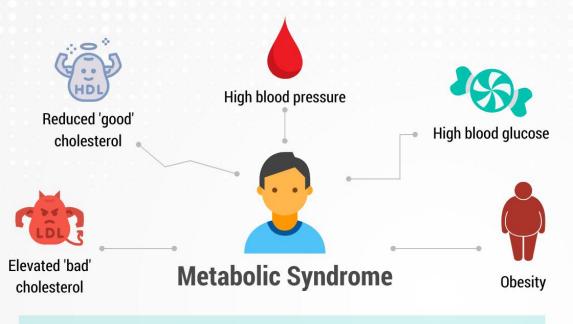
A cluster of conditions

that increase your risk

for heart disease,

stroke, and type two

diabetes



Metabolic Syndrome can compromise your immune system and put you at greater risk of stroke, heart disease and type 2 diabetes

fast800



RISK FACTORS

- Family history
- Obesity
- Lack of physical activity
- Poor diet
- Race: African American, Hispanic/Latino, American Indian or Alaska Native, Pacific Islanders, and Asian Americans





METABOLIC SYNDROME SCREENING







FASTING BLOOD GLUCOSE





Waistline: 35 inches for women 40 inches for men



Blood Pressure: 130/85

HDL cholesterol: HDL is good you want >50 for women and >40 for men

Triglycerides: Fat in the blood less than

150

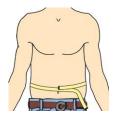


HDL

LDL



Fasting blood sugar: In the morning before breakfast





EXERCISE

- 150 minutes
- Walking
- Cycling
- Swimming
- Team sports
- Weightlifting
- Pilates
- Yoga





DIET: FOODS TO EAT

Healthy carbs: fruits and veggies

Fiber rich foods: nuts and whole grains

"Good" fats: avocados and olive/peanutoil







DIET: FOODS TO AVOID



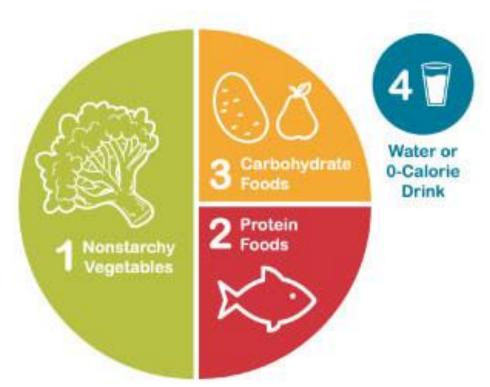
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DIET: "THE PLATE METHOD"





MEDICATIONS (METABOLIC SYNDROME)

Blood pressure





Cholesterol



Blood sugar







MEDICATIONS DIABETES

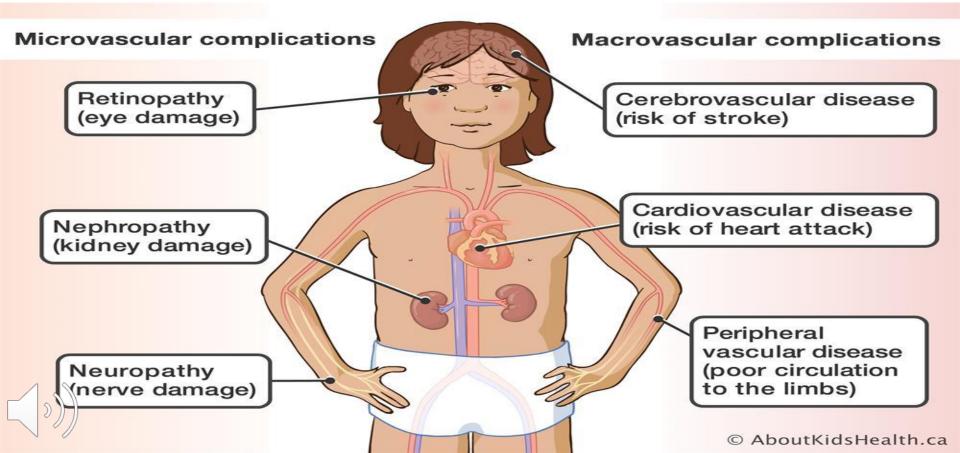




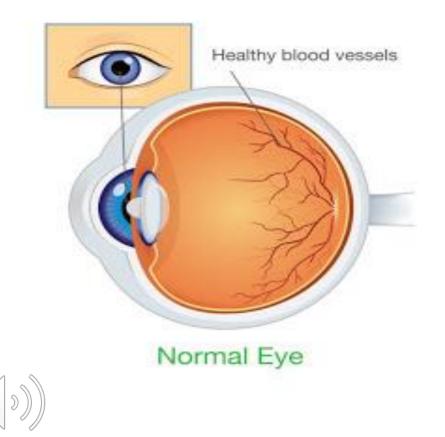
Needle RUBBER TOP SYRINGE Ŗ INSULIN BOTTLE PLUNGER

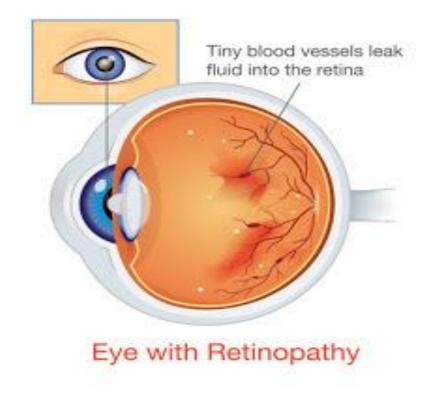


COMPLICATIONS THAT MAY ARISE FROM DIABETES

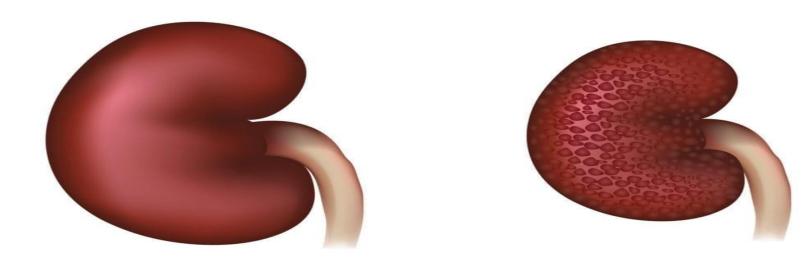


Diabetic Retinopathy





DIABETIC NEPHROPATHY KIDNEY DISEASE





DIABETIC NEPHROPATHY







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THE METABOLIC SYNDROME



HEART DISEASE



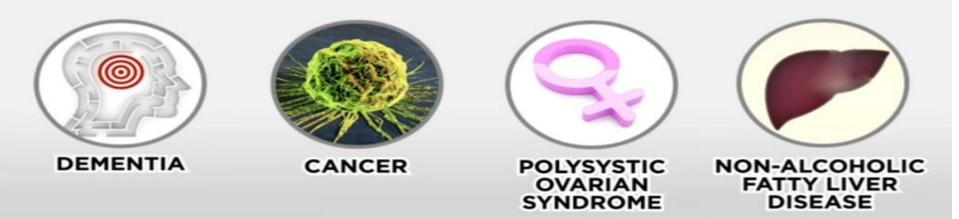






HYPERTENSION

TYPE 2 DIABETES









Non-Alcoholic Fatty Liver Disease (NAFLD)



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