BREAK THE CYCLE,
RESTORE THE BALANCE

viomix | Myotroxin

30 F.C.T | ٣٠ قرص مغلف | مكمل غذائي | DIETARY SUPPLEMENT

HOW TO PREDICT INSULIN RESISTANCE

Myotroxin
1 TABLET - TWICE DAILY

1

WAIST LINE

Over 40 Inches in Men
& 35 Inches in Women

BLOOD PRESSURE

Readings of 130/80
or Higher

2

3

FASTING GLUCOSE

Levels Over 100 (mg/dL)

FASTING TRIGLYCERIDE

Levels Over 150 (mg/dL)

4

5

HDL CHOLESTEROL

Under 40 mg/dL in Men
& 50 mg/dL in Women

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PRE-DIABETES PREVALENCE SYMPTOMS & DIAGNOSIS

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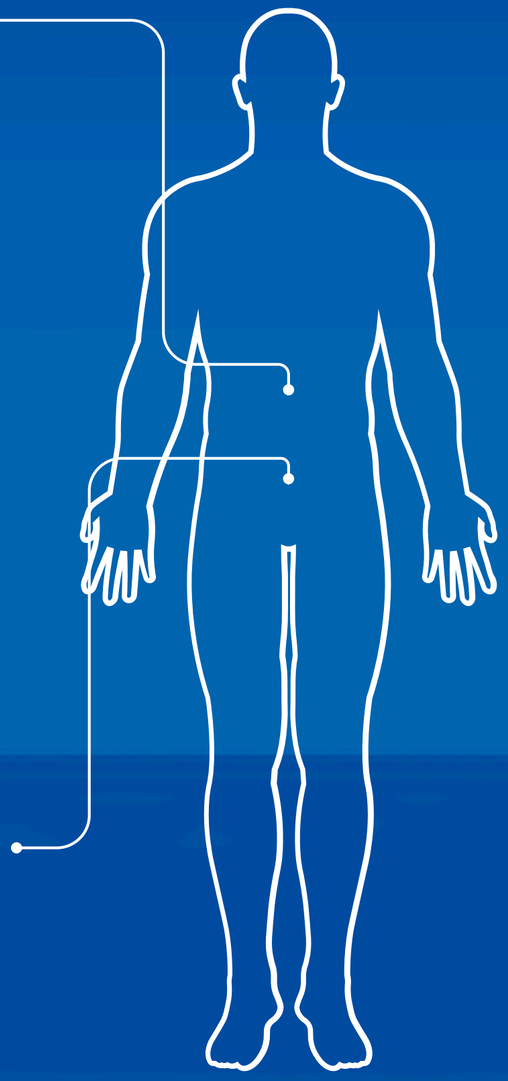
Excessive Hunger & Thirst

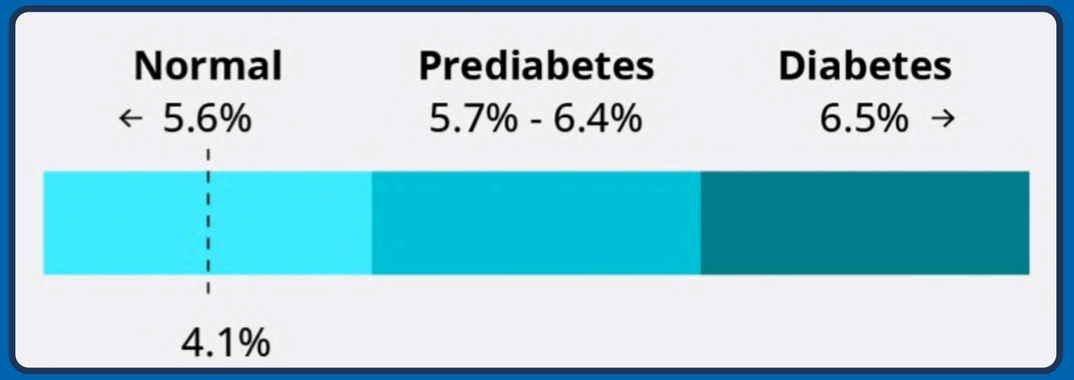
Weight Gain

Fatigue

Frequent Urination



HBA1c Levels



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INSULIN RESISTANCE
EARLY & SPECIFIC TEST

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The Homeostasis Model Assessment (HOMA) is a mathematical model of determining insulin resistance from fasting glucose and insulin concentrations

HOMA-IR TEST

Determine your Insulin Resistance Level

- Higher range indicates greater resistance
- The smaller the number, the safer you are

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INSULIN RESISTENCE CYCLE

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CAUSES & COMPLICATIONS

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- EXCESSIVE CARB INTAKE
- GENETICS
- SEDENTARY LIFESTYLE
- EXCESSIVE WEIGHT

→ INSULIN RESISTANCE →

- PCOS
- ELEVAGTED TG
- PREDIABETES
- TYPE 2 DIABETES
- OBESITY
- HYPERTENSION
- INTRA-ABDOMINAL FAT

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CLASSIC IR MANAGEMENT

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LIFE STYLE MODIFICATION

-DIET

- EXERCISE

MEDICATIONS

BIGUANIDES

(METFORMIN)

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METFORMIN SIDE EFFECTS

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COMMON SIDE EFFECTS

- CONISTIPATION
- STOMACH PAIN
- BLOATING
- NAUSEA
- DIARRHEA
- GAS

RARE SIDE EFFECTS

- LACTIC ACIDOSIS
- HYPOGLYCEMIA
- ANEAMIA

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NEW CONCEPT FOR IR MANAGEMENT

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1 TABLET - TWICE DAILY

NOW A NEW CONCEPT IS ESTABLISHED TO

BREAK THE CYCLE,

RESTORE THE BALANCE

Sujana Thalamati. A comparative study of combination of Myo-inositol and D-chiroinositol versus Metformin in the management of polycystic ovary syndrome in obese women with infertility. International Journal of Reproduction, Contraception, Obstetrics and Gynecology, 2019; 8(3): 825-829

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MYOTROXIN COMPOSITION

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1. MYO-INOSITOL - 600MG
2. SELENIUM - 83MCG

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INSULIN RESISTANCE MAIN CAUSE

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Myoinositol (MI) was found to have insulin-like properties, acting as a second messenger in the insulin intracellular pathway. Thus, it is involved in the increasing insulin sensitivity of different tissues to improve metabolic functions

ANY DEFICIENCY IN INOSITOL IS THE MAIN CAUSE OF INSULIN RESISTANCE

Sujana Thalamati. A comparative study of combination of Myo-inositol and D-chiroinositol versus Metformin in the management of polycystic ovary syndrome in obese women with infertility. International Journal of Reproduction, Contraception, Obstetrics and Gynecology, 2019; 8(3): 825-829

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MYOINOSITOL MOA

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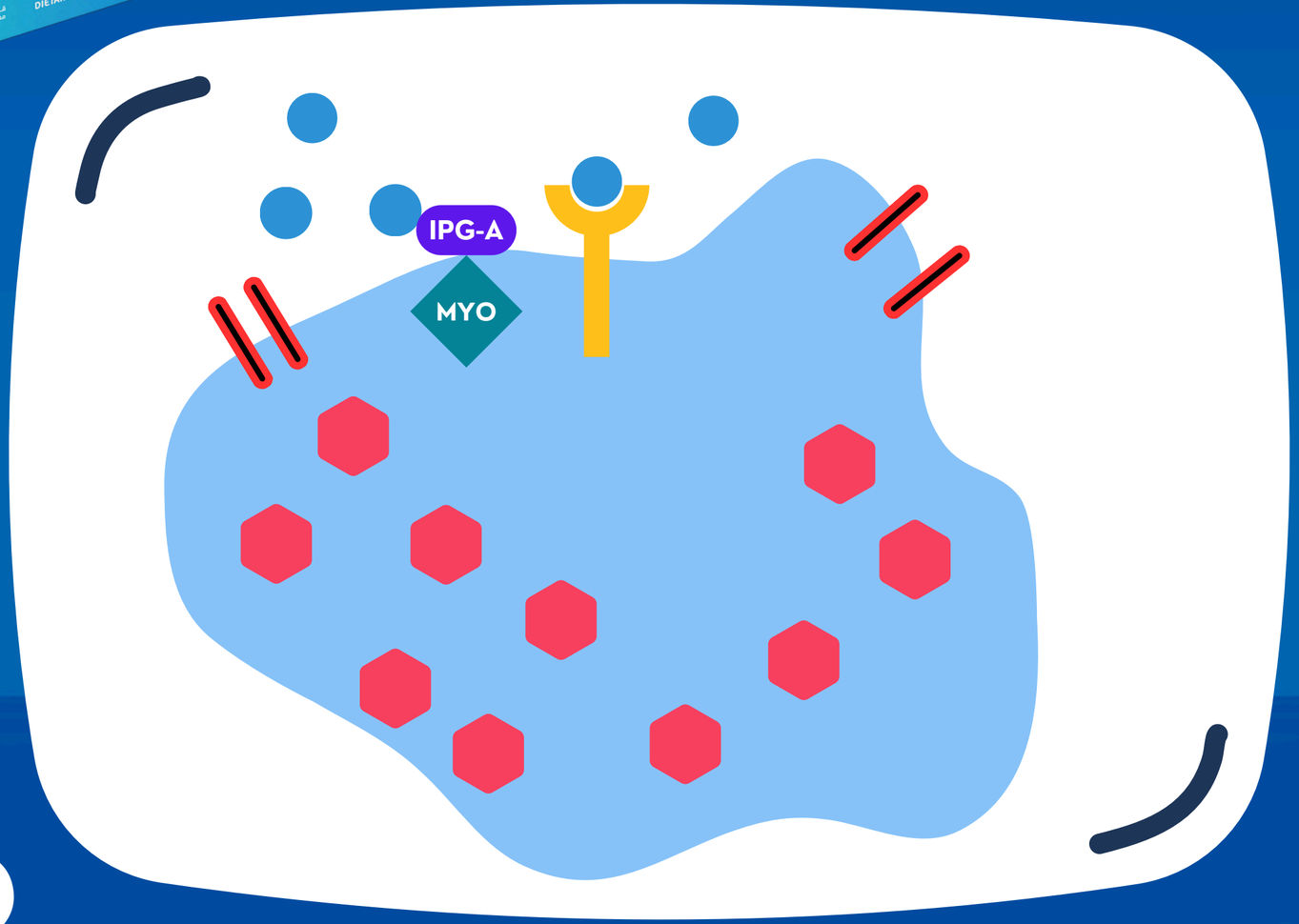

- Insulin
- Glucose
- Insulin Receptor
- Glucose Receptor

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ROLE OF SELENIUM IN INSULIN RESISTANCE

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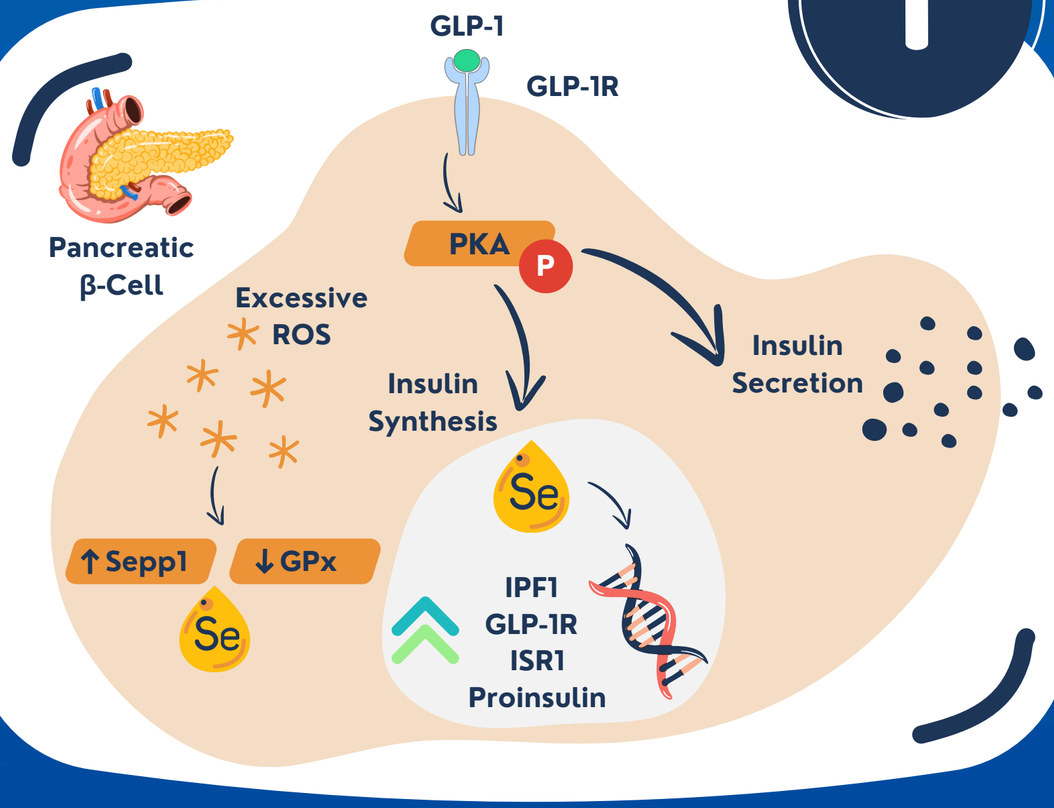
1



2

↑GLP-1R mRNA Levels

Regulation of Glucose-6-phosohatase and glycogen phoshorylase enzymes activity

Se

Liver

3

Se

Antioxidant Protection

Adipocytes

Muscles

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ROLE OF SELENIUM IN INSULIN RESISTANCE

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Selenium Appears To Improve Insulin Resistance Through Three Mechanisms

1- In β-Pancreatic cells, selenoproteins exert antioxidant action, inhibiting the excessive production of reactive oxygen species. which impair the insulin signaling pathway. Moreover, selenium promotes the transcription and synthesis of proinsulin

2- Secondly, in the liver, selenium influences hepatic glucose production

3- Thirdly, in peripheral organs, selenium improves insulin sensitivity due to its antioxidant action.

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openheart

2022

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The Myo-Inositol for Insulin Resistance, Metabolic Syndrome, Polycystic Ovarian Syndrome and Gestational Diabetes

"Myo-inositol should be considered in patients with insulin resistance, metabolic syndrome, type 1 diabetes, type 2 diabetes, PCOS and those with or at risk of gestational diabetes"

"Elevated levels of glucose reduce myo-inositol levels in tissues and increase its breakdown and elimination via the kidneys. Myo-inositol has been used safely for decades in many studies in those with insulin resistance"

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DIABETIC Medicine

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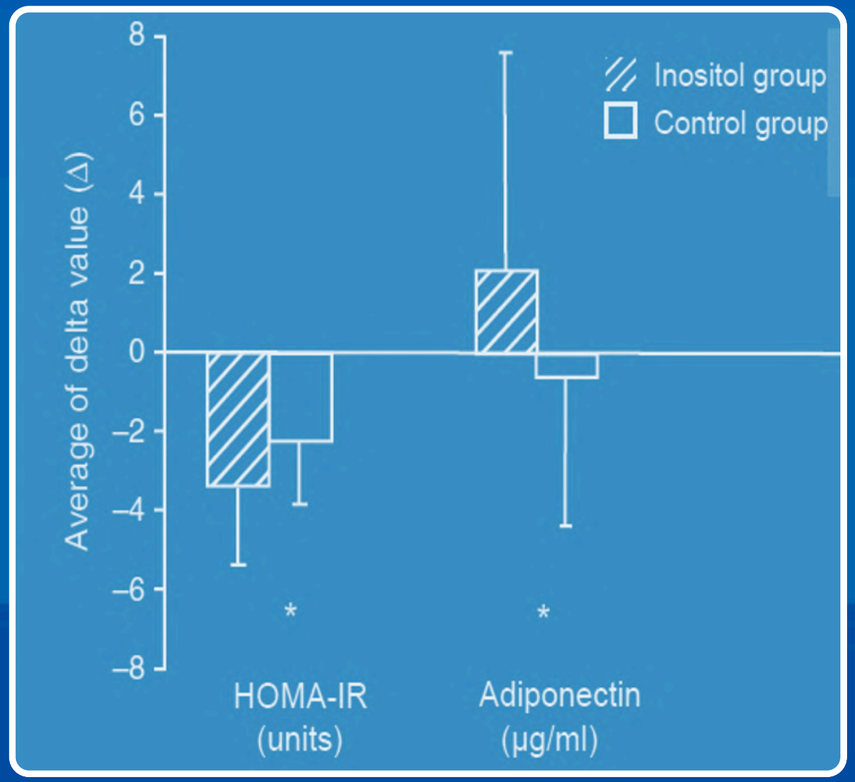
1 TABLET - TWICE DAILY

The Effect of Myoinositol Supplementation on Insulin Resistance in Patients With Gestational Diabetes

Myoinositol Group Experienced Significantly Greater Changes Than The Control Group in HOMA-IR (P = 0.0001)

The Administration of Myoinositol Was Associated With an Increase in Circulating Adiponectin (P = 0.009)



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nutrients

MDPI

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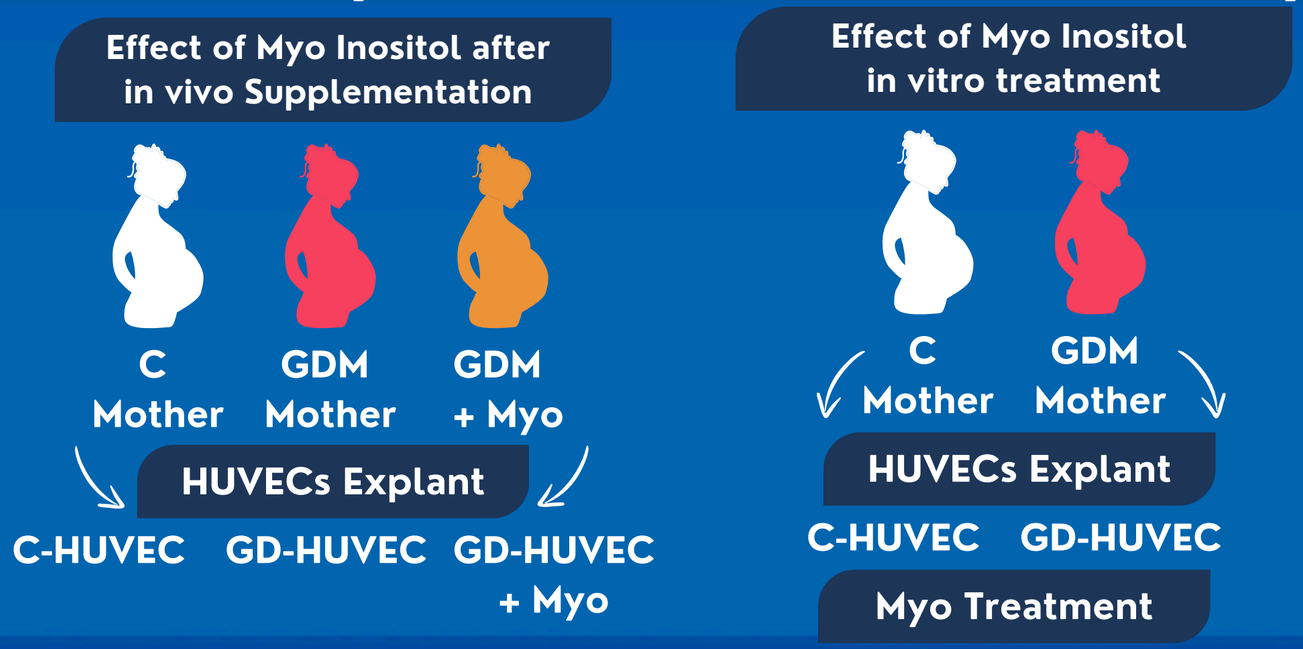
Myoinositol Reduces Inflammation and Oxidative Stress in Human Endothelial Cells Exposed In Vivo to Chronic Hyperglycemia



Experiments

- Monocytes - HUVECs Adhesion
- VCAM-1 e ICAM-1 Membrane Exposure
- ROS Levels

Anti Inflammatory Effect

Anti Oxidant Effect

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frontiers | Frontiers in Nutrition

2023

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1 TABLET - TWICE DAILY

Myo-inositol Supplementation Improves Cardiometabolic Factors, Anthropometric Measures, and Liver Function in Obese Patients With Non-Alcoholic Fatty Liver Disease

Double-blind placebo-controlled RCT

51 PARTICIPANTS
OBESE MEN AND WOMEN

BMI

BMI =30 – 40 KG/M2
AGED 18 – 55 YEARS
MILD TO MODERATE NAFLD

MYOINOSITOL SIGNIFICANTLY IMPROVED

INSULIN SENSITIVITY,
LIPID PROFILE, AND
LIVER FUNCTIONS
IN PATIENTS WITH NAFLD

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BMC

2018

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The Effects of Inositol Supplementation on Lipid Profiles Among Patients With Metabolic Diseases:

"systematic review and meta-analysis of randomized controlled trials"

Inositol Resulted in Reduction in The Level of:

- Triglycerides
- Total Cholesterol
- LDL

(Among Patients With Metabolic Diseases)

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Endocrine Care

2015

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Selenium Supplementation Affects Insulin Resistance and Serum hs-CRP in Patients with Type 2 Diabetes and Coronary Heart Disease

Double-blind
Placebo-controlled
Randomized clinical trial

- 60 patients with T2DM & CHD
- Aged 40-85 years

Placebo
n = 30 / 8 Weeks

Selenium Supplements
200 mcg
n = 30 / 8 Weeks

Significant decrease in serum insulin level, HOMA-IR, HOMA-B & serum hs-CRP

Significant increase in QUICKI score & TAC concentration

CHD: Coronary heart disease, **HOMA-IR:** Homeostasis model of assessmentestimated insulin resistance, **HOMA-B:** Homeostasis model of assessment estimated b cell function, **hs-CRP:** High-sensitivity C-reactive protein, **QUICKI:** Quantitative insulin sensitivity check index, **TAC:** Total antioxidant capacity, **T2DM**: Type 2 diabetes mellitus

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Potential Benefits of Selenium Supplementation in Reducing Insulin Resistance in Patients with Cardiometabolic Diseases:

A Systematic Review and Meta-Analysis

526 Participants
With Cardio Metabolic Disorders

SELENIUM REDUCED THE LEVELS OF:

- SERUM INSULIN
- HOMA-IR

SELENIUM INCREASED THE LEVELS OF:

- SERUM HDL-C LEVELS

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MYOTROXIN DOSE & PRICE

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1 TABLET - TWICE DAILY

30 TABS - 240 L.E.

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MYOTROXIN BENEFITS FOR INSULIN RESISTANCE

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1. **PROVEN EFFICACY**
   IN NORMALIZING SERUM INSULIN LEVELS AND HOMA-IR
2. **SIGNIFICANTLY ENHANCES**
   INSULIN SENSITIVITY, LIPID PROFILE, AND ANTHROPOMETRIC MEASURES
3. **REDUCES INFLAMMATION**
   AND OXIDATIVE STRESS
4. **OPTIMAL CHOICE**
   FOR PATIENTS WITH METABOLIC DISEASES
5. **HIGHLY EFFECTIVE**
   FOR PREDIABETES AND GESTATIONAL DIABETES MANAGEMENT
6. **SUPPORTS WEIGHT LOSS** EFFORTS
7. **EXCELLENT SAFETY PROFILE**
   FOR LONG-TERM USE

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