

# REVIVIFY REDUCES FASTING GLUCOSE: HUMAN CASE STUDY

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**\*\* Advance Pharmaceutical Inc. has patent for the REVIVIFY GEL**



## BACKGROUND AND OBJECTIVE

REVIVIFY pro-vitality antioxidant gel composed of primary antioxidant superoxide dismutase [SOD], prebiotic fibers, diverse polyphenols from various fruits juice. SOD diminishes the superoxide anion that is produced due to normal cellular activity. Polyphenols are phenolic compounds act as antioxidant, anti-inflammatory, anti-viral agent. it repairs damaged cells due to reactive oxygen molecules of ROS/RNS. Dietary prebiotic fibers modulate beneficiary gut eco microbiomes and provide many health benefits including immunity. Combination of these three components stimulate the immunity via T-cell activation and antioxidative and anti-inflammatory pathway. Glucose metabolism with diabetic patient is known as metabolic disorders. We believe glucose metabolism disorder, is due to oxidative stress of body cells particularly liver cell, pancreatic cell, kidney cell and brain cell and a negative impact from gut microbes. Insulin inadequate supply and or insulin resistance is to believe the reasons for higher blood glucose in diabetic patient.

**The objective of this study to evaluate whether revivify reduces the fasting glucose level in type 2 diabetic patients.**

## STUDY DESIGN

- ❖ We conducted a case and control study in the population of Williamson County, Texas.
- ❖ In total, 30 patients joined who were equally and randomly assigned in the case study: 18 males and 12 females. The selection criteria: male and female aged 20-60 years with type 2 diabetes.
- ❖ The patients had average Fasting Blood Glucose (mmol/l):  $7.8 \pm 1.2$  and HbA1c:  $8.2 \pm 2.1$ .
- ❖ The study respondents used one pouch of REVIVIFY Pro-Vitality Fruit Blend with Superoxide Dismutase (SOD) and dietary fiber daily after breakfast and one revivify Pro-Energy stick contains dietary fiber with SOD and Resveratrol dissolved in water along with oral diabetic medications for three months.

**Revivify gel and stick significantly reduced the fasting blood sugar and HbA1C in group of diabetic patients independent of Insulin and oral medications**

Times	Week 0	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12		
Fasting Blood Glucose (mmol/l)	$7.8 \pm 1.2$	$7.6 \pm 1.6$	$7.2 \pm 1.5$	$6.9 \pm 1.0$	$6.9 \pm 0.8$	$6.8 \pm 1.1$	$6.8 \pm 1.3$	$6.5 \pm 0.8$	$5.8 \pm 0.9$	$5.8 \pm 1.1$	$5.5 \pm 0.6$	$5.6 \pm 0.9$	$5.3 \pm 0.7$	$5.5 \pm 0.8$	$5.4 \pm 0.4$
HbA1C	$8.2 \pm 2.1$														$6.8 \pm 2.4$
General Health	Poor	Poor	Poor	Poor	Poor	Poor	Fair	Fair	Fair	Fair	Fair	Fair	Good	Good	Good
Fatigue Status	Fatigue	Fatigue	Fatigue	Fatigue	Fatigue	Fatigue	Less Fatigue	Less Fatigue	Less Fatigue	Less Fatigue	Less Fatigue	Less Fatigue	No Fatigue	No Fatigue	No Fatigue
Sleeping Pattern	Moderate	Moderate	Moderate	Moderate	Moderate	Fair	Fair	Fair	Fair	Fair	Fair	Good	Good	Good	Good

## RESULTS

- ❖ After three months of taking Revivify gel and stick, we found that a significant decrease of average Fasting Blood Glucose (mmol/l) and HbA1c.
- ❖ The Fasting Blood Glucose (mmol/l) was decreased from  $7.8 \pm 1.2$  (initial; beginning of study) to  $5.4 \pm 0.4$  (after three months of study) and HbA1c was decreased from  $8.2 \pm 2.1$  (initial; beginning of study) to  $6.8 \pm 2.4$  (after three months of study).
- ❖ Moreover, the patients reported the improvement of their General Health, Fatigue Status and Sleeping Pattern.

## CONCLUSIONS/PERSPECTIVES:

- ❖ Our patented composition "Superoxide Dismutase soluble fiber composition" a unique formulation with added polyphenols, branded as REVIVIFY, resulting of very strong Antioxidants, diverse Anti-inflammatory properties, enhanced immunity and repair system, and anti-infective capability, reduce the oxidative stress caused by various ROS, and able to improve cellular glucose uptake and slowly maintain blood glucose to acceptable level.
- ❖ Revivify composition attenuate 8-isoprostane, an antioxidant biomarker, and COX2 an inflammatory biomarker and modulate lactobacillus, all work to towards cellular integrity and bring efficiency in energy production efficiency in mitochondria, and glucose intake increase and blood glucose level decrease.

