Insight Medical Publishing

Cancer Biology and Therapeutic Oncology 2020

Vol.4 No.3

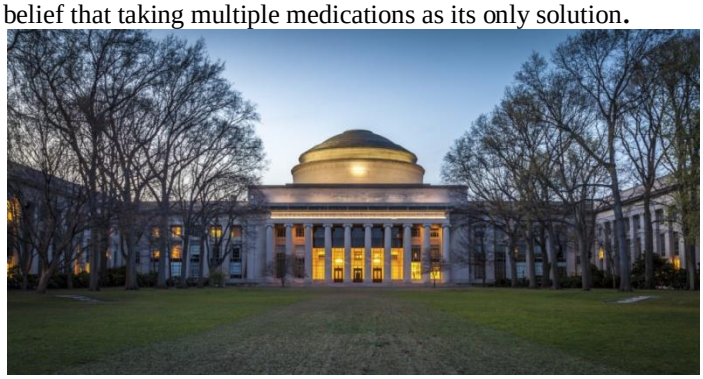
First step in controlling diabetes and its complications: a true understanding of glucoses via GH-Method: math-physical medicine

Gerald C. Hsu

EclaireMD Foundation, USA

Abstract:

In this paper, the author analyzes and outlines the physical characteristics of glucoses which can be used to understand and predict their moving direction, trend, and magnitude. Therefore, healthcare professionals can help diabetes patients to control their disease conditions and its complications. Since 5/5/2018, the author utilized both finger-piercing and test strip (*Finger*) and continuous glucose monitoring device (*Sensor*) to collect his glucose data in parallel. He has collected four glucose data per day via Finger and 75 times via Sensor. By 10/18/2019, within a total of 532 days, he has collected 46,816 data which include finger glucose, sensor glucose, carbs/sugar intake amount, walking steps, and weather temperature. He then performed various tasksincluding glucose decomposition, data segmentation, and synthesis analyses by using those collected data to get the following conclusive and useful information. There are a lot of vital information concealed in glucoses. As long as we learn how to decompose and analyze them, we can examine and reveal many hidden facts and useful hints on how to help diabetes patients to control their condition and its complications. By truly knowing glucose, this is the very first step in understanding diabetes. Exercising and lifestyle management are important in controlling this disease; therefore, patients should not immediately accept the belief that taking multiple medications as its only solution.



Biography:

The author received an honorary PhD in mathematics and majored in engineering at MIT. He attended completely different universities over seventeen years and studied seven tutorial disciplines. Furthermore, he self-studied and research three disciplines, internal medicine, food nutrition, and psychology.

He has spent ~30,000 hours in endocrinology research, especially diabetes. First, he studied six metabolic diseases and food nutrition throughout 2010 to 2013, then conducted his own polygenic disorder analysis throughout 2014 to 2018. His approach is “quantitative and precision medicine” based on mathematics, physics, optical and electronics physics, engineering modeling, wave theory, energy theory, signal processing, computer science, big data analytics, statistics, machine learning, and artificial intelligence. His main focus is on medicine victimization prediction tools. He believes that the higher the prediction, a lot of management you've got. Thus far, he has written, published, and presented more than 250 medical papers, including some psychology research papers.

Speaker Publications:

1. " Using Signal Processing Techniques to Predict PPG", June 2018**,** DOI: 10.33425/2639-9326.1030

2." Using Math-Physical Medicine and Artificial Intelligence Technology to Manage Lifestyle and Control Metabolic Conditions of T2D", September 2018**,** DOI: 10.33425/2639-9326.1031

3." Using GH-Method: Math-Physical Medicine to Investigate the Role of HbA1C in the Triangular Relationship with Weight and Blood Pressure", July 2020, DOI: 10.22259/ijrsmhs.0507002

World Cancer, Oncology and Therapeutics Congress, Webinar, June 22-23, 2020

Abstract Citation:

Gerald C. Hsu, First step in controlling diabetes and its complications: a true understanding of glucoses via GH-Method: math-physical medicine , Cancer Congress 2020, World Cancer, Oncology and Therapeutics Congress, Webinar, June 22-23, 2020.

(https://cancer-oncology.cancersummit.org/abstract/2020/first-step-in-controlling-diabetes-and-its-complications-a-true-understanding-of-glucoses-via-gh-method-math-physical-medicine)