Diabetes Disorder, Its Prevention, Treatment & Advances

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Abstract

The term Diabetes Mellitus comes from the Greek word "Diabetes" (to siphon or pass through) and the Latin word "mellitus" (honey or sweet). Diabetes Mellitus is the Metabolic Disorder. Over 3,000 years ago, the ancient Egyptians mentioned a condition that appears to have been type 1 diabetes. It featured excessive urination, thirst, and weight loss.

In ancient India, people discovered that they could use ants to test for diabetes by presenting urine to them. If the ants came to the urine, this was a sign that it contained high sugar levels. They called the condition "madhumeha", meaning honey urine. During the third century B.C.E., Apollonius of Memphis mentioned the term "diabetes," which may have been its earliest reference.

In 1776, Matthew Dobson confirmed that the urine of people with diabetes could have a sweet taste. According to an article that the journal Medical Observations and Enquiries published, he measured the glucose in urine and found that it was high in people with diabetes.

Advance Treatment Options:

- Once a Week Tablet
- Artificial Pancreas
- Continuous Glucose Monitoring

Continuous Glucose Monitoring (CGM) gives you a more complete picture of your glucose levels, which can lead to better lifestyle decisions and better glucose control.

A continuous glucose monitor is a small device that you wear just under your skin. It measures your glucose (sugar) levels continuously throughout the day and night, letting you see trends in your levels and alerts you to highs and lows.

Biography:

I am an Economist by qualification and a Marketer by Profession. I did Masters in Economics from Punjab University, Pakistan. Furthermore, completed Diploma in Marketing, Sales & Supply Chain from Pakistan Institute of Management. I have been associated with Marketing & Sales activities of Global Anti-Diabetics brands of a Multinational Pharmaceuticals. In that capacity, among other Projects, I have been involved in delivering Lectures and Trainings on Diabetes & Pre-Diabetes, both at National & International levels.

Speaker Publications:

1. "Unsupervised Self-learning, Few-Shot Meta Learning, and Real Data Generation for Realizing Universal Classification Systems
2. "A Universal Parking Lot Management System based on Deep Learning, Modality Fusion, and Transfer Learning
3. "Domain adaptation meets disentangled representation learning and style transfer
4. "High-speed data-plane packet aggregation and disaggregation by P4 switches
5. "IUML: Inception U-Net Based Multi-Task Learning for Density Level Classification And Crowd Density Estimation

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