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POLYURIA IS THE CAUSE OF LONG-TERM CHRONIC DIABETES COMPLICATIONS

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Statement of the problem: The blood plasma glucose-protein interactions model (the glycation theory) for the study of chronic diabetes complications has failed to find cure for, or prevent long-term (chronic) diabetes complications. Available data showing that polyuria reduced blood plasma concentrations of thiamine (a vasodilator) in diabetes mellitus patients to 25% of concentration level needed to sustain vasodilatation in the microcirculation of normal persons have been used to propose a new theory.

Theory: Polyuria-induced vitamin deficiency in blood plasma causes vasoconstriction in the microcirculation; impairing the exchange of nutrients, gases and particles between blood and tissue causing tissue damage in organs with microcirculation everyday. Over time, the accumulated damage manifests as organ failure described as “diabetes complications”.

Hypothesis: Supplementation with vasodilators to ensure 24-hour vasodilatation in the microcirculation will halt tissue damage to allow natural healing.

Methodology & findings: A tablet containing niacin, thiamine and calcium-d-pentothenate was prepared and given to type 2 diabetes patients in open trial to ingest, one-a-day, over seven years. Cures reported included early-stage symptoms of chronic complications such as; ulcers, nephropathy, retinopathy and peripheral neuropathy. Continued use after the initial cure has prevented developments of new symptoms.

Conclusion and significance: The multiple cures of chronic complications affecting all organs by the vitamin supplementation demonstrate the validity of the polyuria theory. This is a breakthrough in diabetes research. That the tablet contains, well-characterised substances with no known side effects, is additional bonus. Patients will not require hospital treatment or need supervision by trained medical personnel; thus reducing treatment costs. The therapy itself is not expensive to buy. People with diabetes will not anymore live with the threat of blindness, amputation, kidney failure, stroke and heart problems.

Biography

Bempah Owusu Akyiawa is a graduate in MSc (Radiochemistry) from Lomonosov Moscow State Univ; the author took a Teaching Assistantship at McMaster Univ. in Hamilton, Ontario Canada and obtained Ph.D in Analytical chemistry. He taught Inorganic and Analytical chemistry in Cape Coast Univ. Ghana; and did consultancy for local industries. He developed interest in research into diabetes when, as type 2 diabetes mellitus patient, he suffered chronic complications. He soon realised there was little anyone could do for him. So he hit the Internet for information. Fortunately medical information was also available. Using the knowledge gained, he formulated a tablet and had it made. He ingested the tablet, one a day, for a year and all his symptoms disappeared. He organised an open trial to validate his cure. The results are published.

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