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Diabetes mellitus between natural and synthetic treatment

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Diabetes Mellitus (DM) is a chronic metabolic disorder affecting carbohydrate, fat and protein metabolism. It represents a heterogeneous group of disorders having hyperglycaemia, which is due to impaired carbohydrate (glucose) utilization resulting from a defective or deficient insulin secretory response. DM is associated with long-term complications damage, dysfunction and/or failure of several organs, (heart, liver, kidney, eye, bone, joints, skin and mucous membrane, blood and nerve system) and also have many oral complications. The aim of this research to evaluate the anticipated effect of both Zamzam water and Epidermal Growth Factor (EGF) on tongue tissues. It could be concluded that, diabetes mellitus causing damage changes in tongue tissues. Using Zamzam water with its essential nutrient element could be given to help in restoring the integrity of the damaged tongue tissues and taste sensation after degenerative effect of DM. On the other hand, EGF causing relatively and slightly improvement of the damaged tongue tissue.

Recent Publications

1. Gajera H and Hirpara D Anti-hyperglycemic Effect and Regulation of Carbohydrate Metabolism by Phenolic Antioxidants of Medicinal Plants against Diabetes. *Curre Res Diabetes & Obes J.* 2018; 5:1-4
2. Smiljka Cicmil, Irena Mladenović, Jelena Krnić, Dragan Ivanović, Nikola Stojanović. Oral Alterations in Diabetes Mellitus. *Balk J Dent Med,* 2018;8; 7-14
3. Elisavet K. Tiaka, Nikolaos Papanas, Anastassios C. Manolakis, and George S. Georgiadis. Epidermal Growth Factor in the Treatment of Diabetic Foot Ulcers: An Epidermal Growth Factor in the Treatment of Diabetic Foot Ulcers: An Update.. *Perspectives in Vascular Surgery and Endovascular Therapy.* 2012; 24; 37 –44.

Biography

Noura Mohammed Bakr Ghareb, she is an Assistant professor of oral and dental biology department, Al Azhar university for girls, Cairo, Egypt. B.D.Sc. Msc. Phd. Oral and dental biology department, faculty of dentistry, Al Azhar university for girls. Part of quality assurance team for post graduated course specification, quality assurance unites, faculty of dental medicine for girls, Al Azhar University. Interested in modern and recent scientific research. Applied biology (communication between basic and clinical application especially pediatric dentistry, periodontal regeneration, implant-ology, pulp regeneration and revascularization. Speaker at previous national and international congress.

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