

New Technologies for Diabetes Presented at International Congresses in 2006

Viera Donicova, M.D., Ph.D.

Abstract

Diabetes is a medical specialty that is currently experiencing the rapid development of new technologies that can be applied to clinical management. At three international Diabetes Congresses held in 2006 (the annual meeting of European Association of Diabetes in Copenhagen, the World Congress of the International Diabetes Federation in Cape Town, and the Diabetes and Technology meeting in Atlanta), several new technologies and devices were demonstrated that are applicable to diabetes care. Out of various technological innovations, this article highlights three new interesting areas, which may represent the principal direction of future developments in science that may help improve the quality of life for the person with diabetes.

J Diabetes Sci Technol 2007;1(3):445-450

Author Affiliation: Clinical Advisory Board, Journal of Diabetes Science and Technology

Abbreviations: (DSPB) Department of Special Polymers and Biopolymers, (HOMA-IR) homeostasis model assessment method, (METs) metabolic equivalents, (nCPAP) nasal continuous positive airway pressure treatment, (OSA) obstructive sleep apnea, (SBD) sleep-related breathing disturbances

Keywords: continuous glucose monitoring, diabetes, encapsulated cell technologies, energy expenditure measurement, Langerhans islet transplantation, metabolic Holter, obesity, obstructive sleep apnea

Corresponding Author: Viera Doničová, M.D., Ph.D., Furčianska 69, 04014 Košice, Slovakia, Europe; email address viera.donicova@gmail.com