Automated Glycemic Pattern Analysis: Overcoming Diabetes Clinical Inertia

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Abstract

The OneTouch® Verio™ IQ Meter with PatternAlert™ Technology has been approved by the U.S. Food and Drug Administration as the first self-glucose monitor that can automatically determine glycemic patterns [high and low pre-meal blood glucose (BG)] for health care providers (HCPs) and patients. In this issue of Journal of Diabetes Science and Technology, Katz and coauthors demonstrate that this device was more accurate and quicker in detecting abnormal glucose patterns than the review by HCPs of 30-day handwritten BG logs and that its interpretations were positively accepted by the HCPs. Continued development of automated pattern analysis and decision-support software to overcome the “data-overload” associated with intensive glucose monitoring and diabetes management will reduce clinical inertia and could dramatically improve diabetes outcomes.


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Abbreviations: (4DSS) 4 Diabetes Support System, (BG) blood glucose, (CGM) continuous glucose monitoring, (HCP) health care provider

Keywords: automated glucose pattern detection, diabetes management decision support

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