

Blood Glucose Meters That Are Accessible to Blind and Visually Impaired Persons

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Abstract

Blood glucose meters (BGMs) that can be used nonvisually or with a visual limitation were introduced in the mid-1990s, but it was not until 2006 and 2007 that a new set of meters with accessibility features were introduced: Prodigy, Prodigy Autocode, and Prodigy Voice (Diagnostic Devices, Charlotte, NC), and Advocate and Advocate Redi-Code (TaiDoc, Taiwan). Accessibility attributes of the newly introduced BGMs were tabulated, and product design features were examined and documented. The Prodigy Voice was found to be the only one of these new BGMs that is fully usable by blind and visually impaired persons.

J Diabetes Sci Technol 2008;2(2):284-287

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Abbreviations: (BGMs) blood glucose meters, (FDA) Food and Drug Administration, (PC) personal computer

Keywords: accessibility, blindness, blood glucose meters, diabetes, visual impairment

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