

Unlocking the Potential of Continuous Glucose Monitoring: A New Guideline Supports the Development of Continuous Glucose Monitoring Devices

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Abstract

Continuous glucose monitoring (CGM) is a new technology that allows patients to measure glucose levels continuously over several days. It has several advantages over traditional glucose meters in that it does not involve repeated finger sticks and can measure trends and track changes in glucose levels over time. The Clinical and Laboratory Standards Institute, working with the Diabetes Technology Society, published Performance Metrics for Continuous Interstitial Glucose Monitoring; Approved Guideline, which provides recommendations for methods for determining analytical and clinical metrics of CGMs. The document provides guidance on how CGM data should be presented, compared between devices, and compared between measurement technologies. The document serves as a roadmap for the testing of CGM devices and will ultimately advance the potential of this exciting technology. Performance Metrics for Continuous Interstitial Glucose Monitoring; Approved Guideline represents the consensus view on preparing and presenting CGM data.

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Abbreviations: (CGM) continuous glucose monitoring, (CLSI) Clinical and Laboratory Standards Institute, (FDA) Food and Drug Administration, (POCT05-A) Performance Metrics for Continuous Interstitial Glucose Monitoring; Approved Guideline, (SMBG) self-management of blood glucose

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