

Professional Continuous Glucose Monitoring in Clinical Practice 2010

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Abstract

Professional continuous glucose monitoring (PCGM) is a 3–5 day test done to evaluate diabetes control. The PCGM test uses interstitial glucose measurements done every 5 min with a glucose-oxidase-impregnated membrane. The PCGM test evaluates glucose control retrospectively with the glucose results being unknown to the patient until the results are downloaded after the testing period. The PCGM test allows the practitioner and patient to evaluate the effect of diet, physical activity, medications, and lifestyle events on glucose control during the 24 h period. Developing a PCGM program at a medical office involves understanding reimbursement issues and having trained staff and a process in place to initiate the test and download and interpret the data.

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Abbreviations: (CGM) continuous glucose monitor (HbA1c) hemoglobin A1c, (MAD) mean absolute difference, (PCGM) professional continuous glucose monitoring, (SD) standard deviation, (SMBG) self-monitoring of blood glucose

Keywords: continuous glucose monitoring, continuous glucose monitoring system, glucose oxidase, glucose sensor, interstitial glucose, iPro, real-time glucose monitor

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