Quantitative Biology > Quantitative Methods

A Scoring System for Continuous Glucose Monitor Data

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(Submitted on 12 May 2013)

As continuous glucose monitors (CGMs) are used increasingly by diabetic patients, new and intuitive tools are needed to help patients and their physicians use these streams of data to improve blood glucose management. In this paper, we propose a daily CGM Score which can be calculated from CGM data. The calculation involves assigning grades and scores to 80-minute periods of CGM data, and then aggregating the results. Scores for an individual patient, or among a set of patients, can then be compared and contrasted, and longitudinal studies of CGM data can also be accomplished.

Comments:	12 pages, 10 figures, 1 table
Subjects:	**Quantitative Methods (q-bio.QM)**; Applications (stat.AP)
Cite as:	**arXiv:1305.3244 [q-bio.QM]**
	(or **arXiv:1305.3244v1 [q-bio.QM]** for this version)

Submission history

From: Edward Aboufadel [view email]

[v1] Sun, 12 May 2013 13:04:18 GMT (215kb)

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