Author's response to reviews

Title: Q-Score: Development of a new metric for continuous glucose monitoring that enables stratification of antihyperglycaemic therapies

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Version: 2
Date: 28 July 2014

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Dear Editor,

Please find enclosed our manuscript entitled "Q-Score: Development of a new metric for continuous glucose monitoring that enables stratification of antihyperglycaemic therapies" for consideration for publication as a Research Article in *BMC Endocrine Disorders*.

We have developed for the first time a metric allowing the assessment of short-term glycaemia, monitored by continuous glucose monitoring. The basis for this is the identification of the parameters determining a glucose profile. We analysed 1562 historic CGM profiles. The metric is suitable for the screening of glucose profiles indicating insufficient metabolic control.

With the ultimate aim of enabling patient-tailored medicine, we present a method for identifying the parameters of those profiles in which glycaemic control may be improved. Our research has great potential to improve routine diabetes care, supporting physicians in optimising the therapeutic approach for their patients.

We believe that our paper is innovative and will be of great interest to the readers of *BMC Medicine*. We have received very encouraging feedback on our work at recent international conferences, and feel that our work is highly attractive to those working in the field of diabetes.

PA, LV, PH and ES are currently applying for a patent related to the content of the manuscript. LV is CEO of the Diabetes Service Centre.

We look forward to hearing from you,

Yours sincerely,

Petra Augstein, on behalf of the authors