

عنوان مقاله:

Blood Glucose Prediction for Type 1 Diabetes Patients with Deep Learning: A Review

محل انتشار:

دومین کنفرانس بین المللی مهندسی و علوم کامپیوتر (سال: 1401)

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خلاصه مقاله:

Diabetes mellitus, commonly known as diabetes, is a metabolic disorder characterized by a high blood glucose level. So, accurate prediction of blood glucose is vital for diabetes patients. Vast studies examined variant statistical approaches to achieve this purpose. With the growth of Artificial Intelligence (AI) and its algorithms in various healthcare fields, specifically the diabetes domain, it is used for different purposes, such as detection and prediction of disease. To the best of our knowledge, no study has focused on AI-driven, especially deep learning, approaches used to predict blood glucose in Type 1 diabetes. To this end, in this paper, we present a review of deep learning methods that are utilized for blood glucose prediction in Type 1 diabetes.

کلمات کلیدی:

Type 1 diabetes, blood glucose, artificial intelligence, deep learning

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