

On-Line Blood Glucose Level Calculation



KOUTNÝ, T., KRŽMA, M., KOHOUT, J., JEŽEK, P.,
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Diabetes is a silent disease. It is the 8th most common cause of death that does not hurt until it is too late and the disease has developed. Technology plays a vital role in managing diabetes and educating patients about importance of the treatment. The patient must be able to manage his blood glucose level. However, blood glucose level is measured sporadically as it causes important discomfort to the patient. Measuring glucose level in subcutaneous tissue is minimally invasive technique and thus considerably comfortable, but this level may be different from blood glucose level. We implemented a recently proposed method of blood glucose level calculation from the continuously measured subcutaneous tissue glucose level. Then, we developed a web portal that makes this method accessible to any doctor's office and any diabetic patient. To the best of our knowledge, we are the very first web portal that does this. In this paper, we describe the portal.