Better monitoring of diabetic levels using new control charts

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The diabetes monitoring is very important to maintain the diabetic levels in control. The Shewhart control chart has been widely used in the healthcare department for the monitoring of sugar levels. In this paper, we will present a more efficient way to monitor diabetic level in diabetes patients. The structure of control is presented using repetitive sampling. The efficiency of the proposed chart in detecting a shift in diabetic level is compared with the existing chart. It is found that the proposed chart provides a strict way to monitor the diabetic levels in diabetes patients. So, the application of the proposed chart is shown using simulation study and real data collected from diabetes patient. It can be concluded that the use of the proposed chart in health care issue may reduce the risk of heart disease by monitoring diabetic levels in an effective way.

Biography


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