Comment on: Impact of a multidisciplinary intensive education program on type 2 diabetes mellitus patients' glycemic control and cardiovascular risk factors

To the Editor

Type 2 diabetes mellitus (T2DM) is a chronic disease which carries high morbidities and an increased in cardiovascular risk which is responsible of at least one third of the all mortality related to diabetes mellitus. A common pathway in managing T2DM is the multidisciplinary approach for the control of cardiovascular risk factors. It has been shown in Steno-2 trial that multiple risk factors management resulted in reduction of both micro- and macro-vascular complications of T2DM which is reflected on the long term follow up to a decline in mortality.2,3

The study by Al-Arif and Al-Omar was interesting and will enrich the Saudi literature. The observed results which showed improvement in glycemic control, diastolic blood pressure, total cholesterol, and low-density lipoprotein after application of multidisciplinary approach. This study stresses on the collaborative work to manage T2DM especially in patients with uncontrolled blood sugar. The management of diabetes mellitus requires involvement of different teams including physicians, nutritionists, diabetes educators (nurse), and psychologists. This study with no doubt, demonstrates the importance of such approach. These results are supported by similar studies in the literature which showed reproducibility of the outcomes. However, there are certain concerns which need to be addressed. This is a small, and retrospective study which lack the control group.

The setting of the study is in a primary health care, thus, the results might not reflect the Saudi literature. The observed results which showed improvement in glycemic control, diastolic blood pressure, total cholesterol, and low-density lipoprotein after application of multidisciplinary approach. This study stresses on the collaborative work to manage T2DM especially in patients with uncontrolled blood sugar. The management of diabetes mellitus requires involvement of different teams including physicians, nutritionists, diabetes educators (nurse), and psychologists. This study with no doubt, demonstrates the importance of such approach. These results are supported by similar studies in the literature which showed reproducibility of the outcomes. However, there are certain concerns which need to be addressed. This is a small, and retrospective study which lack the control group.

In conclusion, the results of this trial is concordant with similar studies which emphasize the importance of the collaborative approach in the managing patients with T2DM. A larger randomized controlled trial may be needed in a specialized center to challenge these results.

Abdulghani H. Al Saeed
Department of Endocrine and Diabetes
Prince Sultan Military Medical City
Riyadh, Kingdom of Saudi Arabia
ORCID ID: https://orcid.org/0000-0003-2949-174X

Reply from the Author

We would like to thank you dearly for your interest and praise of our work. We agree with you regarding your concern of the study population, steady A1C level, and its correlation with diabetes outcome. However, the scientific and medical research is a continuing process. Therefore, being a retrospective study design we faced this limitation due to the availability of the data. We hope that other future study will address this concern.

Mohamed N. Al-Arifi
Hussain A. Al-Omar
Clinical Pharmacy Department
King Saud University
Riyadh, Kingdom of Saudi Arabia

References