We would like to thank Dr. Dinc for the interest in our article suggesting that increasing patient independence and treating depressive symptoms can promote physical activity in type 2 diabetes mellitus patients. Initially, Dr. Dinc and cols. have reaffirmed that community-based studies are highly important. This particular study evaluated diabetic patients from a tertiary care center. We agree that it is important to use scales that have been validated and largely, used as it was done in our study (1). Also, despite the number of controls, data analysis was adequate; however, a greater number of patients and of controls would increase the power of our data. At present, we did not include metabolic status of the patients because this was mainly an analysis of physical activity status, comorbidities, depressive symptoms, and health-related quality of life. We considered that our results, showing a high number of diabetic patients performing physical activity, are valuable because they prove that educational programs are effective. Nevertheless, we know that a lot more needs to be done in order to achieve prevention of metabolic syndrome and diabetes.

In this population, heart failure was not reported and myocardial ischemia and/or previous myocardial infarc were found in 39 (20%) of the cases. As described, these comorbidities were unrelated with physical activity (2). Of note, even low-intensity physical activity has been shown to improve health related measures, particularly cardiovascular function (3). Thus, after safeguarding patients with cardiovascular disorders, advising patients to perform physical activity seems warranted, as a general rule. We think that the need to classify patients according to their cardiac status in order to encourage occasional low-level physical activity could inhibit the encouragement of exercise practice. Of course, physical abilities and comorbidities must be considered for a safe implementation of exercises, and individuals with any indication of cardiovascular disease should be thoroughly evaluated. Recently, a study has shown that a universal strategy to promote physical activity in primary care has the potential to increase the number of years lived free from physical disease (4). The same study affirms that there is only weak evidence that this strategy is cost-effective.

As it has been quoted, depressive symptoms are very frequently associated with diabetes. Interestingly, identified diabetes has been associated with 4-fold greater odds of depression, while undiagnosed diabetes has not been associated with depression (5). Depressive symptoms are frequent in hemodialysis (6), obstructive sleep apnea...
(7), hypertension (8), and are associated with increased mortality (9). All these clinical situations are frequent in diabetes.

In summary, identifying and treating depressive symptoms in diabetes may improve patient’s quality of life and improve adherence to exercise. Physical activity is an important part of effective care and it has been associated with the improvement of restless legs symptoms in these patients (10).

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REFERENCES


