https://doi.org/10.18549/PharmPract.2020.2.1841

## Online Appendix 1. Education protocol followed during the intervention (AADE 7 Self-Care Behaviors)

Education protocol	Messages content	Expected outcome
Healthy Eating	Messages included information about	Diabetic patients needed to know foods that affect blood glucose level. Patients should know how to eat regular meals, think about portion size, and how to make food decisions to help manage diabetes to avoid other health problems.
Being Active	Messages included information about     Preforming sports you like     Warming-up exercises for 5 or 10 minutes.     Monitoring blood sugar levels before and after exercise.     Exercising different activity	Diabetic patients will know that being active is an important part of being healthy. Physical activity helps to  Lowers blood Sugar  Lose weight  Improve blood pressure  Burn calories,  Lower cholesterol.  Strengthen muscles and bones.  Lower stress and anxiety  Improve mood
Monitoring	Messages included information about  Self-monitoring blood glucose level using: Lancet Test strips Glucometer Log book  Healthcare providers should regularly monitoring: Heart rate and blood pressure Kidney function Eye Foot (foot exams and sensory testing)	Patients learned how to  Monitor blood glucose level to avoid complication i.e. eyes, kidneys, Heart and feet.  Monitor eating habits  Monitor medication intake.
Medications	Messages included information about  Importance of medication compliance  Drug-drug interaction  How to preserve insulin  How to inject insulin	It is important that diabetic patients inform their health care provider about all of medications they are taking such as OTC, dietary supplements, vitamins and herbs to avoid any drugdrug interaction and to seek advises about their medications.
Problem Solving	Messages included information about	Patients should know that unpredictable events happen no matter how well they prepare, which could send blood glucose levels in the wrong direction. They need to learn how to solve problems when they happen and to think through how to stop them from happening again. However, their condition could change over time, requiring changes, as previous solutions were no longer working.
Reducing Risks	Messages included information about	Patients will learn that taking control of diabetes would help prevent complications that could come with it.
Healthy Coping	Messages included information about	It is important to educate diabetic patients on how to find healthier ways to cope with diabetes and avoid habits such as smoking, overeating, drinking alcohol, or being less active. Stress can increase patients' blood sugar levels, make them feel more negative and lead to bad choices.



## Online appendix 2. Schematic representation of mobile phone communication between patients, researcher (licensed pharmacist), and research investigator.

