

Use Case: Insert Glycemic Levels

Actors: Patient

Goal: Insert the measured glycemic levels

Overview:

Patients can insert their glycemic levels as well as indicate at which time of the day those measurements correspond to (before breakfast, before lunch, etc.). Patients can also access a record with their previous glycemic measurements to have a better follow-up of their condition.

Cross-reference:

R5, R15

Basic course of events:

1. Sign in
This use case starts when a patient accesses the Tele-Scar platform. *The system asks for identification information.* The patient enters the email account and password. *The system validates the email and password.*
2. Select "Glycemic Levels"
The system displays the functions available to the patient. The patient selects "Glycemic Levels".
3. Select "Insert Glycemic Levels"
The patient selects "Insert Glycemic Levels". *The system acknowledges the selection.*
4. Insert Glycemic Levels
The patient inserts his/her glycemic levels and indicates at which time of the day those measurements correspond to (before breakfast, before lunch, etc.).
5. Submit Measurements
The patient submits the glycemic values. *The system validates and records the values and dates.*
6. Select "See Glycemic Levels"
The system retrieves a record with the previously measured glycemic levels. The patient can view the data in a chart or table according to his/her preference.
The use case ends.

Alternative courses:

Step 1 If the system determines that the patient's email account and/or password are not valid, an error message is displayed. The use case ends.

Step 5 If the glycemic values are not valid (inserted values are outside of the value range), the system displays an error message. The use case continues at "Insert Glycemic Levels" (*step 4*).

Step 5 If the system is unable to record the patient's glycemic levels and date, an error message is displayed. The use case ends.

Step 6 If the patient does not have any glycemic levels previously submitted an error message is displayed. The use case ends.

Step 6 If the system is unable to retrieve the previous glycemic measurements, an error message is displayed. The use case ends.

Quit The system allows the patient to quit at any time during the use case. The patient may choose to submit some of the glycemic values already inserted. The values that are not submitted are not recorded in the system. The use case ends.

Preconditions: Patient has an internet connection.

The patient is registered and has access to the Tele-Scar platform. The patient has already measured his/her glycemic levels.

Postconditions: At the end of the use case either the patient has submitted his/her glycemic levels or insert glycemic levels were unsuccessful and no alterations have been made to patient glycemic data.