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POSTER ABSTRACT

Integration of processes related to the implementation of the mediGOAT platform in diabetic patient care.

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Diabetes has always been viewed through the prism of the fact that any expenditure in this area is a threat to the budget of the entire health care system. Most often it is the progress of science that forces integration activities. An example may be the integration processes related to the implementation and creation of the mediGOAT platform, which are focused on its multi-functionality, i.e. the ability to connect many different measuring devices (Glucometer, CGM, SmartPen, Insulin Pump, GlucoActive) from many manufacturers. They are made up of smaller particles with their own rules and goals, such as engaging and evaluating activities. We meet with this, among others by implementing good practices.

As a result, such activities give the user more choice and independence from many native applications (manufacturers), and it enables cooperation with Google Health and iHealth (Apple). This makes it possible to use additional information provided by External Applications (meals, exercise, pressure, weight, ...) in the treatment process. In addition, it allows you to collect and store your medical records (including the results of medical tests). The indicated/selected medical/health data (in the future on-line measurements) can be provided to the doctor via the Portal, ensuring security (login via Apple and Google, Backup) and ease of use.

Additional knowledge is written at various levels of detail, scattered in different places, its origin is sometimes uncertain, which makes it unreliable. It is often oversized where it is not necessary, and various sources can contradict each other. Therefore, it is important to use trusted sources. Controlling blood glucose levels is important, as are the circumstances surrounding such a measurement, what you do and where you are. Mobile Continuous Glucose Monitoring, using CGM, enables up to 288 readings per day, giving you insight into information that fingerstick tests cannot match. CGM provides real-time glucose readings every five minutes throughout the day and night, notifying you of high and low values. The sensor continuously measures the glucose level just below the skin and transmits the data wirelessly to the display device via the transmitter. This enables an immediate reaction. A discreet sensor placed just under the skin (the automatic applicator introduces the sensor just under the skin with one press) measures the glucose level for the time specified by the manufacturer. Glucose data is sent wirelessly to the analysing and smart device via Bluetooth® or NFC technology. Such a device can be a compatible smartphone or other optional receiver that displays and archives glucose data in real time.