## **Abstract**

Title: IT Security in Biomedicine

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## Abstract:

The aim of this work is to propose a solution to the biomedical data security strategy. The work provides an overview of the most commonly used biometric methods designed to identify or authenticate users. From these methods, the keystroke dynamics was chosen and used in the application solution. The reliability of this method has been tested by classical and modern classification methods. The greatest benefit of the work is the use of the created application in combination with the measurement using integrated electromyography to objectify the evaluation of the work related to keyboard typing in terms of local muscle load.

## Keywords:

Biometrics, Data Security, Keystroke Dynamics, Local Muscle Load