TECHNOLOGY OFFER

Universitat de Girona

BIOTECNOLOGIA I CIÈNCIES DE LA SALUT

BOLUS SHAPING

Currently diabetes is a chronic disease which affects nearly 10% of the world population. According to estimates by International Diabetes Federation (IDF) for 2035 is expected that will be 600 millions of people under the effects of diabetes. Unfortunately, it is a global threat to humanity which is growing every year, so we need to promote urgent innovations care and prevention of diabetes worldwide.

TECHNOLOGY DESCRIPTION

The present invention is a technique for determining and temporal distribution of a recommended dose of insulin to patient. Specifically, this technology refers to an algorithm to dosage the bolus insulin to cover meals as much as correction bolus.

APPLICATION AND TARGET MARKET

The target markets of this technology are manufacturers of devices glucose such as insulin pumps, which can incorporate our method inside their devices to increase the functionality.

COMPETITIVE ADVANTAGES

- It increases safety while administering insulin preventing hypoglycemia.
- Easy to implement in current devices insulin infusion.
- It doesn't need a continuous glucose monitor.
- It is adaptable to different situations that may occur in patients
- It can be adjusted from simple information obtained in clinical practice.

TIME-TO-MARKET
The technology is ready to be transferred to Markets

DEAL SOUGHT
License agreement

RESEARCH GROUP
Modelling, Identification and Control Engineering (MICELab)

CONTACT
Valorization Unit
Technology Transfer Office (TTO)
University of Girona
valoritzacio@udg.edu
+34 972 41 98 65