

Commodity12 – COntinuous Multi-parametric and Multi-layered analysis Of Dlabetes TYpe 1 & 2

Design, build, and validate an intelligent system for the analysis of multi-parametric medical data for continuous monitoring of diabetes type 1 and 2.

Realization

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Information

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Keywords

- Diabetes
- Intelligent agents
- Medical data

Our skills

Providing structured information to the intelligent agents

Valorization

Multi-layered multi-parametric infrastructure for continuous monitoring of diabetes type 1 and 2

Partnership

- German Research Center for Artificial Intelligence (DE)
- Centre Hospitalier Universitaire Vaudois Lausanne (CH)
- Medical University of Lodz (PL)
- Centre national de la recherche scientifique (FR)
- Royal Holloway, University of London (UK)
- BodyTel (DE)
- Imperial College (UK)
- Portavita (NL)

Funding

European Commission Schedule

10/2011 - 09/2014





COMMODITY12 builds a **multi-layered multi-parametric infrastructure** for continuous monitoring of diabetes type 1 and 2. The COMMODITY12 system exploits multi-parametric data to provide healthcare workers and patients, with clinical indicators for the **treatment of diabetes type 1 and 2**. COMMODITY12 focuses on the interaction between diabetes and cardiovascular diseases.

COMMODITY12 will **improve the management of multiparametric medical data** for the daily care of diabetes, and prevention/management of its co-morbidities. It will improve the healthcare workers' interpretation of the patient medical status, and support the coordination of the care. The early warning functionality will improve the emergency care process, and reduce hospitalization rate, for both diabetes and cardiovascular co-morbidities.

HES-SO's contribution in this project concerns the areas of e-Health, Interoperability and Pervasive Health care. It will be in charge of the **standardisation** to define the data model for COMMODITY12 and to provide structured information to the **intelligent agents**.