

Medical Intelligence for Assistive Management Interface – Mild Dementia

<https://neurodegenerationresearch.eu/survey/medical-intelligence-for-assistive-management-interface-%c2%96-mild-dementia/>

Principal Investigators

Institution

Contact information of lead PI

Country

European Commission

Title of project or programme

Medical Intelligence for Assistive Management Interface – Mild Dementia

Source of funding information

European Commission Horizon 2020

Total sum awarded (Euro)

€ 4,194,418

Start date of award

01/04/2015

Total duration of award in years

4.0

The project/programme is most relevant to:

Alzheimer's disease & other dementias

Keywords

Research Abstract

As Europe's population is ageing, long-term care for elderly citizens will become an increasing cost for society. To manage this transition healthcare policies in the EU and individual Member States are heavily focussed on extending the independent life of the elderly, with the dual aim of increasing their quality of life and reducing the costs of care. Dementia affects more than 6% of people aged 60+ and has a devastating effect on their independence – to date, there is no proven intervention to help dementia patients live a fulfilling life for longer. In this project we will build on an innovative patient support tool to develop a mHealth application that is specifically targeted to patients with mild dementia. The tool will help patients to adhere to their treatment and share data with their carers and doctors; carers will use the same application to monitor patients more easily and share their own well-being with doctors. This will slow the patients'

cognitive and functional decline, avoid carers getting exhausted and reduce costs of emergency care. Our project will comprise two phases: first we will use digital accessibility tools to re-design the existing application for dementia patients. The development will be steered by patients, carers and doctors, through user-centric design: we will collect feedback on each new version of the application until the design is perfectly adapted to the users' needs. In the second phase we will pilot the optimised application with 1,100 users (patients + carers) and 1,100 controls. This will show the clinical and social benefits for patients and carers, as well as financial benefits for the healthcare system. Successful delivery of the pilot will increase patients' adherence to treatment (10 %-points), while improving the quality of life of carers and patients. It will save healthcare providers €1,818 / patient / year in care costs and will generate revenue of over €18 million / year for the consortium (Year 5).

Lay Summary

Further information available at:

Types:

Investments > €500k

Member States:

European Commission

Diseases:

Alzheimer's disease & other dementias

Years:

2016

Database Categories:

N/A

Database Tags:

N/A