Smart glasses: activity recognition for cognitive aid

https://www.neurodegenerationresearch.eu/survey/smart-glasses-activity-recognition-for-cognitive-aid/

Principal Investigators

Fabio Ramos

Institution

The University of Sydney

Contact information of lead PI
Country

Australia

Title of project or programme

Smart glasses: activity recognition for cognitive aid

Source of funding information

Australian Research Council

Total sum awarded (Euro)

€ 382,000

Start date of award

01/01/2015

Total duration of award in years

3.0

The project/programme is most relevant to:

Alzheimer's disease & other dementias

Keywords
Research Abstract

The project aims to develop an automatic activity recognition system for cognitive aid of dementia and stroke victims. The ‘Smart Glasses’ system will be based on sensors embedded in glasses and machine learning techniques to automatically detect the activity being performed by a patient, and provide feedback. Sufferers will regain independence and autonomy by improving safety awareness around the home; carers will be provided real-time information of

patient safety status or adverse events; rehabilitation professionals will be able to use feedback to refine a patient’s program and maximise quality and safety of ambulatory rehabilitation care; and patients will improve rehabilitation outcomes through tailored treatment.

Lay Summary
Further information available at:

Types:
Investments > €500k

Member States:
Australia

Diseases:
Alzheimer's disease & other dementias

Years:
2016

Database Categories:
N/A

Database Tags:
N/A