

Closed-loop deep brain stimulation: Optimising treatment of Parkinson's disease using adaptive stimulation

<https://neurodegenerationresearch.eu/survey/closed-loop-deep-brain-stimulation-optimising-treatment-of-parkinson%20s-disease-using-adaptive-stimulation/>

Principal Investigators

Dr Arthur Thevathasan

Institution

University of Melbourne

Contact information of lead PI

Country

Australia

Title of project or programme

Closed-loop deep brain stimulation: Optimising treatment of Parkinson's disease using adaptive stimulation

Source of funding information

National Health and Medical Research Council

Total sum awarded (Euro)

€ 493,350

Start date of award

01/01/2016

Total duration of award in years

4

Keywords

Research Abstract

Deep brain stimulation is an established therapy for Parkinson's disease when patients' symptoms cannot be controlled adequately using medication. Although deep brain stimulation usually improves quality of life significantly, existing devices have shortcomings that often result in poor symptom alleviation and/or undesirable side-effects. This project is aimed at developing an innovative system that automatically adjusts stimulation according to the continually

fluctuating needs of each patient.

Further information available at:

Types:

Investments < €500k

Member States:

Australia

Diseases:

N/A

Years:

2016

Database Categories:

N/A

Database Tags:

N/A