

The preventive potential of nutrition on brain changes underlying deterioration of cognitive behaviour with ageing using advances neuro-imaging techniques

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Contact information of lead PI

Country

Netherlands

Title of project or programme

The preventive potential of nutrition on brain changes underlying deterioration of cognitive behaviour with ageing using advances neuro-imaging techniques

Source of funding information

NWO -FCB

Total sum awarded (Euro)

€ 777,978

Start date of award

01/10/2013

Total duration of award in years

5.0

The project/programme is most relevant to:

Alzheimer's disease & other dementias

Keywords

Research Abstract

Our main aims are (1) to assess the efficacy of a long-term nutritional intervention in elderly at risk of cognitive decline, and (2) to develop a tool to assess the preventive potential of nutrition on age-related cognitive decline in the general population. To this end we study the effects of an innovative nutritional concept, Fortasyn®Connect (FC), in elderly people at high risk of developing dementia (?MCI due to AD?) that are selected with established biomarkers. FC is designed to enhance the formation of synaptic membranes. We recently showed that FC induced an improvement of memory in early dementia that was paralleled by an improvement of functional connectivity in the brain[1]. We now apply our expertise to study the effects of FC on cognitive decline and functional connectivity in a secondary prevention setting to test the hypothesis that a loss of functional connectivity precedes memory loss and can therefore be used as a surrogate marker in healthy elderly.

Lay Summary

Further information available at:

Types:

Investments > €500k

Member States:

Netherlands

Diseases:

Alzheimer's disease & other dementias

Years:

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Database Categories:

N/A

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