

Neuroimaging of Inflammation in Memory and Other Disorders

<https://neurodegenerationresearch.eu/cohort/neuroimaging-of-inflammation-in-memory-and-other-disorders/>

Cohort Acronym

NIMROD

Cohort type

Neurodegenerative disease-specific cohort

Disease

Alzheimer's disease, Dementia (unclassified), Frontotemporal dementia, Lewy body disease, Mild cognitive impairment (MCI), Other NDs not listed, Parkinson's disease

Participant type

Condition diagnosed

Profile

Recruitment Period 2013-17

Sample size at start or planned sample size if still recruiting 145

Estimated Current Sample Size 0 to 4,999

Age at Recruitment >50

Gender Male and Female

Abstract

The NIMROD (Neuroimaging of Inflammation in Memory and Other Disorders) study aims to understand the role of inflammation in several forms of dementia, memory loss and depression (Alzheimer's disease (AD), dementia with Lewy bodies (DLB), Parkinson's disease dementia (PDD), progressive supranuclear palsy (PSP), frontotemporal dementia (FTD), late life depression (LLD), mild cognitive impairment (MCI)). It also aims to understand the changes in the immune system, from immune cells and other components in the blood and cerebrospinal fluid.

To achieve this, NIMROD looks at brain changes in dementia, depression and related disorders in several different ways, detecting differences in brain structure and function, measuring inflammation and annual psychology and memory assessments. A further aim is to investigate if neuroinflammation can predict subsequent clinical course, including cognitive and functional decline.

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Country United Kingdom

Contact details

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Variables Collected

Brain related measures:

Cognitive function, Mental health, Neurological

Functional rating:

Caregiver, Individual physiological, Individual psychological

Anthropometric:

N/A

Physical:

Cardiovascular

Biological samples:

Blood, Cerebral spinal fluid (CSF), CSF biomarker data available

Genotyping:

N/A

Brain imaging:

Magnetic resonance imaging (MRI), Positron emission tomography (PET) - amyloid

Brain banking:

Consent for brain donation

Lifestyle:

Alcohol, Physical activity, Smoking

Socio-economic:

Education, Housing and accommodation, Occupation and employment

Health service utilisation:

N/A