Neuroimaging of Inflammation in Memory and Other Disorders

https://www.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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Variables Collected

Brain related measures:
Cognitive function, Mental health, Neurological
Funtional 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