

Hisayama Study

<https://www.neurodegenerationresearch.eu/cohort/hisayama-study/>

Cohort Acronym

Cohort type

Neurodegenerative disease-specific cohort

Disease

Alzheimer's disease, Mild cognitive impairment (MCI), Vascular dementia

Participant type

No diagnosis

Profile

Recruitment Period 1985-2017

Sample size at start or planned sample size if still recruiting

Estimated Current Sample Size

Age at Recruitment > 60

Gender Male and Female

Abstract

A population-based prospective study of cerebro-cardiovascular diseases was begun in 1961 in the town of Hisayama, a suburb of the Fukuoka metropolitan area of Kyushu Island in Japan. In addition, comprehensive surveys of cognitive impairment in the elderly of this town have been conducted since 1985. In 1988, a total of 1,228 residents aged ≥ 60 years (91.1% of the total population in this age group) participated in a screening examination for the present study. After exclusion of 33 subjects who had dementia, 90 who had already had breakfast, 5 who were on insulin therapy, and 81 who could not complete the OGTT, a total of 1,019 subjects without dementia underwent the OGTT. From a total of 1,019 subjects, 2 who died before starting follow-up were excluded, and the remaining 1,017 subjects (437 men and 580 women) were enrolled in this study.

The subjects were followed up prospectively for 15 years, from December 1988 to November 2003 (mean 10.9 years; SD 4.1 years).

Country Japan

Contact details

Institution name Kyushu University

Website <http://www.epi.umn.edu/cvdepi/study-synopsis/hisayama-study/>

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Funders (Core support) The Ministry of Education, Culture, Sports, Science and Technology of Japan, Ministry of Health, Labour and Welfare of Japan

Variables Collected

Brain related measures:

N/A

Functional rating:

Individual physiological

Anthropometric:

Blood pressure, Height, Waist circumference, Weight

Physical:

Cardiovascular, Respiratory

Biological samples:

Blood

Genotyping:

Gene screening

Brain imaging:

Magnetic resonance imaging (MRI)

Brain banking:

Consent for brain donation

Lifestyle:

Alcohol, Dietary habits, Physical activity, Smoking

Socio-economic:

Education, Occupation and employment

Health service utilisation:

N/A