The Swedish BioFINDER study				
	Healthy elderly	Mild cognitive symptoms (SCD & MCI)	Dementia cohort	Parkinsonian symptoms
Brief description	Within the Swedish BioFINDER study cognitively healthy elderly have been included in this prospective, longitudinal cohort study between 2010 and 2014. The participants were recruted from a longitudinal population-based community cohort study (Malmö Diet and Cancer Study) and from this study epidemiological data, clinical examination, food- frequency questionnaire and blood sampling have been collected since the early 1909's.	Within the Swedish BioFINDER study patients with mild cognitive symptoms (SCD and MCI) have been consequatively included between 2010 and 2014 from the Memory clinic at the Skiden University Hospital or Angelholm's Hospital in Sweden. The cohort is prospective and longitudinal.	The dementia cohort of the Swedish BioFRIDER study is consecutively including patients that are diagnosed with dementia after a thorough clinical investigation at the Memory Clinic, Skale University Hospital. The cohort is prospective and longitudinal.	Within the Swedish BioFRIDER study we recruit patients with parkinsonian symptoms, including de novo subjects, from the Neurology clinic at the Skåne uhiversity Hospital. The cohort is prospective and longitudinal.
Study design	the early 1990's.	conortis prospective and iongitualital.	and longitudinal.	and longitudinal.
Number of cases (n)	350	500	350	350
Inclusion criteria	Absence of cognitive symptoms. Recruited from the population-based Malmio Die and Cancer study. Age 2: 60 years. All Size score 25-3 off screening valid. (27-30 baseline visit). All Size score 25-3 off screening valid. (27-30 baseline visit). Any demonstrated Swedehis to the octent that an interpreter not vas necessary for the patient to fully understands the study information and cognitive tests.	Referred to the memory clinics due to cognitive symptoms experienced by the patient and/ori informant. These experience and originate the conformant in the experience of the	Fulfilis the criteria of dementia due to either Alzheimer's disease, vascular dementia, dementia with Lewy bodies, Parlanson's disease with dementia or frontotemporal dementia.	Fulfills the criteria of Parkinson's disease, Parkinson's disease, Parkinson's disease with dementa, progressive supranuclear pasky or multiple system acrophy. De novo patents with early parkinsonan symptoms are also included.
Exclusion criteria	Significant undable systemic illness or organ failure, such as terminal cancer, that makes it difficult to participate in the study - Current significant alcohol or substance misus authorized misus substance misus - Significant neurological or psychiatric illnes.	- Significant unstable systemic illness or organ failure, such a sterminal cancer that makes it difficult to participate in the study. - Current significant alcohol or susteance misuse substance misuse substance misuse substance misuse under the substance of the substance of the substance of the substance or resurrency problegical assessment. - The cognitive impairment at baseline visit can not for certain be explained by such control or offices each as another condition or diseases such as another conditions and the condition of the substance of	Significant unstable systemic illness or organ failure, such as terminal cancer, that makes it difficult to participate in the study. Current significant alcohol or substance misuse.	Significant unstable systemic illness or organ failure, such as terminal cancer, that makes it difficult to participate in the study. Current significant alcohol or substance misuse.
Consecutive reqruitement (yes/no) Planned follow-up time (years)	N 6	Y 6	Y 3	N 6
Time between follow-up visits (months)	Every 24 months new clinical/cognitive/neurological/psychi atric evaluation, CSF/blood sampling and MRI.	Every 12 months new clinical/cognitive evaluation. Every 24 months new clinical/cognitive/neurological/psychiat ric evaluation, CSF/blood sampling and MRI.	Every 12 months new clinical/cognitive evaluation.	Every 12 months new clinical/cognitive evaluation. Every 24 months new clinical/cognitive/neurological/psychi atric evaluation, CSF/blood sampling and MRI.
Cognitive testing MMSE (yes/no)	Y	Y	Y	Y
Memory test(s) (yes/no) Executive test (yes/no) Attention/cognitive speed (yes/no)	Y Y Y	Y Y Y	Y Y	Y Y Y
Visuospatial test (yes/no) Evaluation by a Neuropsychologist	Y N	Y Y	Y N	Y N
Other clinical measures Depression scale (e.g. HADS) (yes/no)	Y	Y	Y	Y
Registration of hallucinations (yes/no) ADL scale (e.g. FAQ) (yes/no) Motor examination (e.g. UPDRS) (yes/no)	Y Y Y	Y Y Y	Y Y Y	Y Y Y
Clinical Dementia Rating (yes/no) Global Detoriation Scale (yes/no)	Y Y	Y Y	Y Y	Y Y
CSF/blood biomarkers CSF stored (number of cases) Plasma stored (number of cases)	Y 300	Y 500	Y 200	Y 300
Serum stored (number of cases) Blood stored (number of cases)	300 300	500 500	200 200	300 300
Blood in PAXgene tubes stored (number of cases) CSF Aβ42 levels analysed (yes/no)	300 Y	500 Y	0 Y	300 Y
CSF Tau levels analysed (yes/no) CSF P-tau levels analysed (yes/no) CSF biomarker data analysed as part of clinical	Y Y N	Y Y	Y	Y Y
routine practice (sample by sample)? CSF biomarker data analysed as part of research	N Y	Y	Y	N Y
study (batch analyses)? MRI/CT Computed tomography (CT) (number of cases)	0	500	300	0
Computed tomography (CT) (number of cases) 3 Tesla MRI (number of cases) Name of 3 Tesla scanner	300 Siemens Trio	450 Siemens Trio	35 Siemens Trio	200 Siemens Skyra
T1 (high resolution) (yes/no) FLAIR (yes/no)	Y Y	Y Y	Y Y	Y
Diffusion MRI (yes/no) Resting state fMRI (yes/no) T2* / SWI (yes/no)	Y Y Y	Y Y Y	Y Y Y	Y Y Y
Spectroscopy (yes/no) PET	Ÿ	· Y	Y	N N
FDG PET (number of cases) Amyloid PET (number of cases)	10 140	10 280	10	10 0
Name of amyloid PET ligand Tau PET imaging (number of cases) Name of tau PET ligand	Flutemetamol 10 16F-T807	Flutemetamol 10 **F-T807	Flutemetamol 10 18F-T807	Flutemetamol 10 18F-T807
Genetics APOE genotype (yes/no)	Υ Υ	Υ Υ	Y	Y
GWAS (yes/no) Epidemiology	Y	у	У	У
Family history of dementia/PD (yes/no) Education (yes/no)	Y Y	Y Y	Y Y	Y Y
Premobid IQ (National Adult Reading Test) (yes/no) Smoking (yes/no)	N Y Y	Y Y Y	N Y Y	N Y Y
Blood pressure (yes/no) Cardiovascular disease (yes/no) Diabetes (yes/no)	Y Y Y	Y Y Y	Y Y Y	Y Y Y
and the second of the second o	Y Y	Y Y	Y Y	Y Y
Stroke/TIA (yes/no) Hypertension (yes/no)		Y	Y	Y
Hypertension (yes/no) Hyperlipidemia (yes/no) Depression (yes/no)	Y Y	Y	Y	Y
Hypertension (yes/no) Hyperlipidemia (yes/no)		Y N	Y N	Y N
Hypertension (yes/no) Hyperlipidemia (yes/no) Depression (yes/no) Epidemiological data 10-20 years before inclusion in the present study? Cell models Fibroblasts (yes/no) IPS cells (yes/no)	Y Y Y Y	N Y Y		Y Y
Hypertension (yes/no) Hyperlipidemia (yes/no) Depression (yes/no) Epidemiological data 10-20 years before inclusion in the present study? Cell models Fibroblasts (yes/no)	Y Y	N Y	N Y	N Y