

Supplementary material 2: Search terms in PubMed for instance

Four electronic bases were searched for relevant literature, including PubMed (n=1195), Web of Science (n=3872), Cochrane library (n=335), and Embase (n=1309). Totally, 6711 records were retrieved. The deadline date is 10th, June, 2023.

1. Patients

- 1) ("Alzheimer Disease"[Mesh]) OR (Alzheimer Syndrome[Title/Abstract] OR Alzheimer*[Title/Abstract] OR Alzheimer-Type Dementia (ATD[Title/Abstract]) OR Alzheimer Type Dementia (ATD[Title/Abstract]) OR Dementia, Alzheimer-Type (ATD[Title/Abstract]) OR Primary Senile Degenerative Dementia[Title/Abstract] OR Dementia, Primary Senile Degenerative[Title/Abstract] OR Alzheimer Type Senile Dementia[Title/Abstract] OR Alzheimer Dementia[Title/Abstract] OR Alzheimer Dementias[Title/Abstract] OR Dementia, Alzheimer[Title/Abstract] OR Alzheimer's Disease[Title/Abstract] OR Dementia, Senile[Title/Abstract] OR Senile Dementia[Title/Abstract] OR Dementia, Alzheimer Type[Title/Abstract] OR Alzheimer Type Dementia[Title/Abstract] OR Senile Dementia, Alzheimer Type[Title/Abstract] OR Alzheimer Sclerosis[Title/Abstract] OR Sclerosis, Alzheimer[Title/Abstract] OR Alzheimer's Diseases[Title/Abstract] OR Alzheimer Diseases[Title/Abstract] OR Alzheimers Diseases[Title/Abstract] OR Acute Confusional Senile Dementia[Title/Abstract] OR Senile Dementia, Acute Confusional[Title/Abstract] OR Dementia, Presenile[Title/Abstract] OR Presenile Dementia[Title/Abstract] OR Alzheimer Disease, Late Onset[Title/Abstract] OR Late Onset Alzheimer Disease[Title/Abstract] OR Alzheimer's Disease, Focal Onset[Title/Abstract] OR Focal Onset Alzheimer's Disease[Title/Abstract] OR Familial Alzheimer Disease (FAD[Title/Abstract]) OR Alzheimer Disease, Familial (FAD[Title/Abstract]) OR Familial Alzheimer Diseases (FAD[Title/Abstract]) OR Alzheimer Disease, Early Onset[Title/Abstract] OR Early Onset Alzheimer Disease[Title/Abstract] OR Presenile Alzheimer Dementia[Title/Abstract])
- 2) ("Cognitive Dysfunction"[Mesh]) OR (Cognitive Dysfunctions[Title/Abstract] OR Dysfunction, Cognitive[Title/Abstract] OR Dysfunctions, Cognitive[Title/Abstract] OR Cognitive Impairments[Title/Abstract] OR Cognitive Impairment[Title/Abstract] OR Impairment, Cognitive[Title/Abstract] OR Impairments, Cognitive[Title/Abstract] OR Mild Cognitive Impairment[Title/Abstract] OR MCI[Title/Abstract] OR Cognitive Impairment, Mild[Title/Abstract] OR Cognitive Impairments, Mild[Title/Abstract] OR Impairment, Mild Cognitive[Title/Abstract] OR Impairments, Mild Cognitive[Title/Abstract] OR Mild Cognitive Impairments[Title/Abstract] OR Mild Neurocognitive Disorder[Title/Abstract] OR Disorder, Mild Neurocognitive[Title/Abstract] OR Disorders, Mild Neurocognitive[Title/Abstract] OR Mild Neurocognitive Disorders[Title/Abstract] OR Neurocognitive Disorder, Mild[Title/Abstract] OR Neurocognitive Disorders, Mild[Title/Abstract] OR Cognitive Decline[Title/Abstract] OR Cognitive Declines[Title/Abstract] OR Decline, Cognitive[Title/Abstract] OR Declines, Cognitive[Title/Abstract] OR Mental Deterioration[Title/Abstract] OR Deterioration, Mental[Title/Abstract] OR Deteriorations, Mental[Title/Abstract] OR Mental Deteriorations[Title/Abstract])
- 3) 1) and 2)

1.2 Interventions

- 1) (Marker, Biological OR Biological Marker OR Biologic Marker OR Marker, Biologic OR Biological Markers OR Biologic Markers OR Markers, Biologic OR Biomarker OR Markers, Biological OR Markers, Immunologic OR Immune Markers OR Markers, Immune OR Marker, Immunologic OR Immunologic Markers OR Immune Marker OR Marker, Immune OR Immunologic Marker OR Serum Markers OR Markers, Serum OR Marker, Serum OR Serum Marker OR Surrogate Endpoints OR Endpoints, Surrogate OR Surrogate End Point OR End Point, Surrogate OR Surrogate End Points OR End Points, Surrogate OR Surrogate Endpoint OR Endpoint, Surrogate OR Markers, Clinical OR Clinical Markers OR Clinical Marker OR Marker, Clinical OR Viral Markers OR Markers, Viral OR Viral Marker OR Marker, Viral OR Biochemical Marker OR Markers, Biochemical OR Marker, Biochemical OR Biochemical Markers OR Markers, Laboratory OR Laboratory Markers OR Laboratory Marker OR Marker, Laboratory OR Surrogate Markers OR Markers, Surrogate OR Marker, Surrogate OR Surrogate Marker) OR ("Biomarkers"[Mesh])
- 2) (((("tau Proteins"[Mesh])) OR (("Tauopathies"[Mesh])) OR ((Proteins, tau[Title/Abstract] OR tau Protein[Title/Abstract] OR Protein, tau[Title/Abstract]))) OR (tau[Title/Abstract] OR tauopathy[Title/Abstract]) OR (p-tau[Title/Abstract]) OR (t-tau[Title/Abstract]))
- 3) (("Amyloid beta-Peptides"[Mesh])) OR (Amyloid beta[Title/Abstract]) OR ("A beta"[Title/Abstract]) OR (A β [Title/Abstract]) OR (A β oligomer*[Title/Abstract]) OR ("A β "[Title/Abstract]) OR (Amyloid beta Peptides[Title/Abstract] OR beta-Peptides, Amyloid[Title/Abstract] OR Alzheimer beta-Protein[Title/Abstract] OR Alzheimer beta Protein[Title/Abstract] OR beta-Protein, Alzheimer[Title/Abstract] OR Alzheimer's ABP[Title/Abstract] OR ABP, Alzheimer's[Title/Abstract] OR Alzheimer ABP[Title/Abstract] OR Alzheimers ABP[Title/Abstract] OR Alzheimer's Amyloid Fibril Protein[Title/Abstract] OR beta-Amyloid Protein[Title/Abstract] OR Protein, beta-Amyloid[Title/Abstract] OR beta Amyloid Protein[Title/Abstract] OR Amyloid beta-Peptide[Title/Abstract] OR Amyloid beta Peptide[Title/Abstract] OR beta-Peptide, Amyloid[Title/Abstract] OR Amyloid beta-Protein[Title/Abstract] OR Amyloid beta Protein[Title/Abstract] OR beta-Protein, Amyloid[Title/Abstract] OR Amyloid beta-Proteins[Title/Abstract] OR Amyloid beta Proteins[Title/Abstract] OR beta-Proteins, Amyloid[Title/Abstract] OR Amyloid Fibril Protein, Alzheimer's[Title/Abstract] OR Amyloid Protein A4[Title/Abstract] OR Protein A4, Amyloid[Title/Abstract] OR beta Amyloid[Title/Abstract] OR Amyloid, beta[Title/Abstract] OR Amyloid AD-AP[Title/Abstract] OR AD-AP, Amyloid[Title/Abstract] Amyloid AD AP)
- 4) (((("Glial Fibrillary Acidic Protein"[Mesh])) OR ((Glial Intermediate Filament Protein[Title/Abstract] OR Glial Fibrillary Acid Protein[Title/Abstract] OR Astroprotein[Title/Abstract] OR GFA-Protein[Title/Abstract] OR GFA Protein[Title/Abstract]))) OR (GFAP*[Title/Abstract])
- 5) (((("neurofilament protein L" [Supplementary Concept])) OR ((nfl[Title/Abstract]))) OR ((neurofilament protein light OR neurofilament protein L OR NF-L polypeptide OR NEFL protein OR NEFL polypeptide OR NF-L protein OR light neurofilament protein OR neurofilament light polypeptide OR Nefl protein, mouse OR NFL protein, mouse OR NF68 protein, mouse OR CMT2E protein, mouse OR neurofilament, light polypeptide, mouse OR NEFL protein, human OR NF68 protein, human OR Neurofilament triplet L protein, human OR neurofilament, light polypeptide 68kDa protein, human OR CMT1F protein, human OR

- CMT2E protein, human))
- 6) 1) or 2) or 3) or 4) or 5)
 - 7) (peripher*[Title/Abstract]) OR (blood*[Title/Abstract]) OR (plasma*[Title/Abstract]) OR (serum*[Title/Abstract]) OR (circulat*[Title/Abstract])
 - 8) 6) and 7)

1.3 Study types

- 1) Cohort*[Title/Abstract] OR longitudin*[Title/Abstract] OR follow-up*[Title/Abstract] OR follow up[Title/Abstract] OR prospect*[Title/Abstract] OR retrospect*[Title/Abstract]
- 2) ("Cohort Studies"[Mesh]) or (Cohort Study OR Studies, Cohort OR Study, Cohort OR Concurrent Studies OR Studies, Concurrent OR Concurrent Study OR Study, Concurrent OR Closed Cohort Studies OR Cohort Studies, Closed OR Closed Cohort Study OR Cohort Study, Closed OR Study, Closed Cohort OR Studies, Closed Cohort OR Birth Cohort Studies OR Birth Cohort Study OR Cohort Studies, Birth OR Cohort Study, Birth OR Studies, Birth Cohort OR Study, Birth Cohort OR Analysis, Cohort OR Analyses, Cohort OR Cohort Analyses OR Cohort Analysis OR Historical Cohort Studies OR Cohort Studies, Historical OR Cohort Study, Historical OR Historical Cohort Study OR Study, Historical Cohort OR Studies, Historical Cohort OR Incidence Studies OR Incidence Study OR Studies, Incidence OR Study, Incidence)
- 3) ("Longitudinal Studies"[Mesh]) OR (Longitudinal Study OR Studies, Longitudinal OR Study, Longitudinal OR Framingham Heart Study OR Framingham Heart Studies OR Heart Studies, Framingham OR Heart Study, Framingham OR Jackson Heart Study OR Heart Studies, Jackson OR Heart Study, Jackson OR Jackson Heart Studies OR Studies, Jackson Heart OR California Teachers Study OR California Teachers Studies OR Studies, California Teachers OR Study, California Teachers OR Teachers Studies, California OR Teachers Study, California OR Bogalusa Heart Study OR Bogalusa Heart Studies OR Heart Studies, Bogalusa OR Heart Study, Bogalusa OR Studies, Bogalusa Heart OR Study, Bogalusa Heart OR Tuskegee Syphilis Study OR Syphilis Studies, Tuskegee OR Syphilis Study, Tuskegee OR Tuskegee Syphilis Studies OR Longitudinal Survey OR Longitudinal Surveys OR Survey, Longitudinal OR Surveys, Longitudina)
- 4) ("Follow-Up Studies"[Mesh]) OR (Follow Up Studies OR Follow-Up Study OR Studies, Follow-Up OR Study, Follow-Up OR Followup Studies OR Followup Study OR Studies, Followup OR Study, Followup)
- 5) ("Prospective Studies"[Mesh]) OR (Prospective Study OR Studies, Prospective OR Study, Prospective)
- 6) ("Retrospective Studies"[Mesh]) OR (Studies, Retrospective OR Study, Retrospective OR Retrospective Study)
- 7) 1) or 2) or 3) or 4) or 5) or 6)