

Supplementary File 1. Search strategies.

Search strategy for Medline-PubMed:

- #1 (alzheimer*[Title/Abstract]) OR (alzheimer disease[MeSH Terms])
- #2 (dementia[MeSH Terms]) OR (dement*[Title/Abstract])
- #3 (((((MCI[Title/Abstract]) OR ("mild cognitive impairment"[Title/Abstract])) OR ("amnesic mild cognitive impairment"[Title/Abstract])) OR (aMCI[Title/Abstract])) OR (SCD[Title/Abstract])) OR ("subjective cognitive decline"[Title/Abstract])
- #4 (cognit*[Title/Abstract]) OR (memor*[Title/Abstract])
- #5 ((impair*[Title/Abstract]) OR (decline[Title/Abstract])) OR (reduc*[Title/Abstract])
- #6 #4 and #5
- #7 (((((((("functional magnetic resonance imaging"[Title/Abstract]) OR ("magnetic resonance imaging"[Title/Abstract])) OR ("resting-state functional magnetic resonance imaging"[Title/Abstract])) OR ("resting state functional magnetic resonance imaging"[Title/Abstract])) OR (fMRI[Title/Abstract])) OR ("functional MRI"[Title/Abstract])) OR (MRI[Title/Abstract])) OR ("rs-fMRI"[Title/Abstract]))
- #8 (((("amplitude of low frequency fluctuation*" [Title/Abstract]) OR ("fractional amplitude of low frequency fluctuation*" [Title/Abstract])) OR ("regional homogeneity*" [Title/Abstract])) OR (ReHo*[Title/Abstract])) OR (ALFF*[Title/Abstract])) OR (fALFF*[Title/Abstract]))
- #9 #1 or #2 or #3 or #6
- #10 #7 and #8 and #9

Search strategy for Medline-Ovid and EMBase-Ovid:

- #1 exp alzheimer disease/ or dementia/
- #2 (alzheimer* or dement*).tw.
- #3 (MCI or "mild cognitive impairment" or "amnesic mild cognitive impairment" or aMCI or SCD or "subjective cognitive decline").tw.
- #4 (cognit* or memor*).tw.
- #5 (impair* or decline or reduc*).tw.
- #6 #4 and #5
- #7 ("functional magnetic resonance imaging" or "magnetic resonance imaging" or "resting-state functional magnetic resonance imaging" or "resting state functional magnetic resonance imaging" or fMRI or "functional MRI" or MRI or "rs-fMRI").tw.
- #8 ("amplitude of low frequency fluctuation" or "fractional amplitude of low frequency fluctuation" or "regional homogeneity" or REHO* or ALFF* or fALFF*).tw.
- #9 #1 or #3 or #6
- #10 #7 and #8 and #9

Search strategy for Cochrane Central:

- #1 'Alzheimer disease':ti,ab,kw OR 'dementia':ti,ab,kw OR 'alzheimer*':ti,ab,kw OR 'dement*':ti,ab,kw OR 'MCI':ti,ab,kw OR 'mild cognitive impairment':ti,ab,kw OR 'amnesic mild cognitive impairment':ti,ab,kw OR 'aMCI':ti,ab,kw OR 'SCD':ti,ab,kw OR 'subjective cognitive decline'
- #2 ('cognit*':ti,ab,kw OR 'memor*':ti,ab,kw) AND ('impair*':ti,ab,kw OR 'decline':ti,ab,kw OR 'reduc*':ti,ab,kw)
- #3 'functional magnetic resonance imaging':ti,ab,kw OR 'magnetic resonance imaging':ti,ab,kw OR 'resting-state functional magnetic resonance imaging':ti,ab,kw OR 'resting state functional magnetic resonance imaging':ti,ab,kw OR 'fMRI':ti,ab,kw OR 'functional MRI':ti,ab,kw OR 'MRI':ti,ab,kw OR 'rs-fMRI':ti,ab,kw
- #4 'amplitude of low frequency fluctuation':ti,ab,kw OR 'fractional amplitude of low frequency fluctuation':ti,ab,kw OR 'regional homogeneity':ti,ab,kw OR 'REHO*':ti,ab,kw OR 'ALFF*':ti,ab,kw OR 'fALFF*':ti,ab,kw
- #5 #1 OR #2
- #6 #3 AND #4 AND #5

Search strategy for clinicaltrials.gov:

Condition or disease: Alzheimer Disease OR MCI

Study type: All Studies

Study Results: All Studies

Outcome Measure: MRI or magnetic resonance imaging