

Supplement 1: Searching strategy

Ovid MEDLINE Database

1. dementia.mp. or exp Dementia/
2. Alzheimer disease.mp. or exp Alzheimer Disease/
3. cognitive impairment.mp or exp Cognitive Dysfunction/
4. cognitive decline.mp.
5. vascular dementia.mp. or exp Dementia, Vascular/
6. autoimmune disease.mp. or exp Autoimmune Diseases/
7. psoriasis.mp. or exp Psoriasis/
8. psorias\$.mp.
9. psoriatic.mp.
10. 1 or 2 or 3 or 4 or 5
11. 6 or 7 or 8 or 9
12. 10 and 11

EMBASE Database

1. "psoriasis"/exp OR "psoriasis"
2. "psoriatic arthritis"/exp OR "psoriatic arthritis"
3. "psoriasis vulgaris"/exp OR "psoriasis vulgaris"
4. "guttate psoriasis"/exp OR "guttate psoriasis"
5. "inverse psoriasis"/exp OR "inverse psoriasis"
6. "pustular psoriasis"/exp OR "pustular psoriasis"
7. "erythrodermic psoriasis"/exp OR "erythrodermic psoriasis"
8. "psoriatic erythroderma"/exp OR "psoriatic erythroderma"
9. "rheumatic disease"/exp OR "rheumatic disease"
10. "autoimmune disease"/exp OR "autoimmune disease"
11. "dementia"/exp OR "dementia"
12. "alzheimer disease"/exp OR "alzheimer disease"
13. alzheimer
14. #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10
15. #11 OR #12 OR #13
16. #14 AND #15