

Appendix 1

Search strategy (Medline and Embase)

Concept: Tai Chi

1. Tai Ji/
2. exp Martial Arts/
3. (tai chi chuan or tai chi or tai ji quan or tai ji or tai-ji or taijiquan or t'ai chi or taiji).tw.
4. or/1-3

Concept: cancer

5. Neoplasms/
6. (tumor* or cancer* or neoplasm* or neoplasia).tw.
7. 5 or 6
8. 4 and 7
9. Limit 8 to English language

Concept: OA

10. Osteoarthritis/
11. (degenerative adj1 arthritides).tw.
12. (arthritis adj1 degenerative).tw.
13. (degenerative adj2 arthritides).tw.
14. (degenerative adj2 arthritis).tw.
15. (osteoarthritide or osteoarthroses or osteoarthrosis deformans or osteoarthrosis or osteoarthritis).tw.
16. or/10 -15
17. 4 and 16
18. Limit 17 to English language

Concept: Heart failure

19. heart failure/
20. (heart failure adj1 right sided).tw.
21. (heart failure adj1 left sided).tw.
22. (cardiac failu? or heart failure or myocardial failure).tw.
23. (heart failure adj1 congestive).tw.
24. (heart adj1 decompensation).tw.
25. or/19-24
26. 4 and 25
27. Limit 26 to English language

Concept: COPD

28. pulmonary disease, chronic obstructive/
29. (chronic obstructive adj1 pulmonary disease*).tw.
30. (chronic airflow obstruction*).tw.
31. (chronic obstructive adj1 (lung or airway)).tw.
32. (COPD or COAD).tw.
33. (airflow obstruction* chronic).tw.
34. lung diseases, obstructive/
35. (lung disease* adj1 obstructive).tw.
36. (pulmonary disease* adj1 obstructive).tw.
37. exp lung disease/
38. (lung adj1 disease*).tw.
39. (pulmonary adj1 disease*).tw.
40. Bronchitis, chronic/
41. (chronic bronchi*).tw.
42. exp pulmonary emphysema/
43. (emphysema*).tw.
44. (hyperlucent lung*).tw.
45. or/28-44
46. 4 and 45
47. Limit 46 to English language

Search strategy (Cinahl)

Concept: Tai Chi

1. MH "Tai Chi"
2. tai chi chuan or tai chi or tai ji quan or tai ji or tai-ji or taijiquan or t'ai chi or taiji
3. 1 or 2

Concept: cancer

4. MH "Neoplasms"
5. tumor* or cancer* or neoplasm* or neoplasia
6. 4 or 5
7. 3 and 6
8. Limit 7 to English language

Concept: OA

9. MH "Osteoarthritis+"
10. degenerative N1 arthritides
11. arthritis N1 degenerative
12. degenerative N2 arthritides
13. degenerative N2 arthritis
14. osteoarthritis or osteoarthroses or osteoarthrosis deformans or osteoarthrosis or osteoarthritis
15. or/9-14
16. 3 and 15
17. Limit 16 to English language

Concept: HF

18. MH "Heart Failure"
19. heart failure N1 right sided
20. heart failure N1 left sided
21. cardiac failure# or heart failure or myocardial failure
22. heart failure N1 congestive
23. heart N1 decompensation
24. or/18-23
25. 3 and 24
26. Limit 25 to English language

Concept: COPD

27. MH "Pulmonary Disease, Chronic Obstructive+"

28. chronic obstructive N1 pulmonary disease*
29. chronic airflow obstruction*
30. chronic obstructive N1 (lung or airway)
31. COPD or COAD
32. airflow obstruction* chronic
33. MH "Lung Diseases, Obstructive+"
34. lung disease* N1 obstructive
35. pulmonary disease* N1 obstructive
36. MH "Lung Diseases"
37. lung N1 disease*
38. pulmonary N1 disease*
39. MH "Bronchitis, Chronic"
40. chronic bronchi*
41. MH "Emphysema"
42. emphysema*
43. hyperlucent lung*
44. or/27-43
45. 3 and 44
46. Limit 45 to English language

Search strategy (SportDiscus)

Concept: Tai Chi

1. Tai Chi
2. tai chi chuan or tai chi or tai ji quan or tai ji or tai-ji or taijiquan or t'ai chi or taiji
3. 1 or 2

Concept: cancer

4. Neoplasms
5. tumor* or cancer* or neoplasm* or neoplasia
6. 4 or 5
7. 3 and 6
8. Limit 7 to English language

Concept: OA

9. Osteoarthritis
10. degenerative N1 arthritides
11. arthritis N1 degenerative
12. degenerative N2 arthritides
13. degenerative N2 arthritis
14. osteoarthritis or osteoarthroses or osteoarthrosis deformans or osteoarthrosis or osteoarthritis
15. or/9-14
16. 3 and 15
17. Limit 16 to English language

Concept: HF

18. heart failure
19. heart failure N1 right sided
20. heart failure N1 left sided
21. cardiac failure# or heart failure or myocardial failure
22. heart failure N1 congestive
23. heart N1 decompensation
24. or/18-23
25. 3 and 24
26. Limit 25 to English language

Concept: COPD

27. pulmonary disease, chronic obstructive

28. chronic obstructive N1 pulmonary disease*
29. chronic airflow obstruction*
30. chronic obstructive N1 (lung or airway)
31. COPD or COAD
32. airflow obstruction* chronic
33. Lung Diseases, Obstructive
34. lung disease* N1 obstructive
35. pulmonary disease* N1 obstructive
36. Lung Diseases
37. lung N1 disease*
38. pulmonary N1 disease*
39. Bronchitis, Chronic
40. chronic bronchi*
41. Emphysema
42. emphysema*
43. hyperlucent lung*
44. or/27-43
45. 3 and 44
46. Limit 45 to English language