

Supplement 1. Search strategy

Database	Search Terms
Cochrane Central Register of Controlled Trials from start to August 2015 (Ovid)	<ol style="list-style-type: none"> 1 exp Ultrafiltration/ or exp Kidney Failure, Chronic/ or exp Peritoneal Dialysis, Continuous Ambulatory/ or exp Renal Replacement Therapy/ or exp Kidney Transplantation/ or exp Renal Dialysis/ or exp Renal Insufficiency/ or exp Kidney Diseases/ or exp Kidney Diseases, Cystic/ or exp Glomerular Filtration Rate/ or exp Nephrology/ 2 (h*emodialysis or h*emofiltration or h*emodiafiltration).ti,ab,kw. 3 dialysis.ti,ab,kw. 4 (PD or CAPD or CCPD or APD).ti,ab,kw. 5 (kidney disease* or renal disease*).ti,ab,kw. 6 (renal insufficiency or kidney failure or renal failure).ti,ab,kw. 7 (end-stage kidney or end-stage renal or endstage kidney or endstage renal).ti,ab,kw. 8 (CKF or CKD or CRF or CRD or ESRF or ESKF or ESRD or ESKD).ti,ab,kw. 9 (predialysis or pre-dialysis).ti,ab,kw. 10 (nephropath* or nephrit* or glomerul*).ti,ab,kw. 11 (ur*emi*).ti,ab,kw. 12 (kidney transplant* or renal transplant*).ti,ab,kw. 13 or/1-12 14 exp Exercise/ or exp Exercise Therapy/ or exp Exercise Movement Techniques/ or exp "Physical Education and Training"/ or exp "Physical and Rehabilitation Medicine"/ or exp Physical Fitness/ or exp Sports Medicine/ or exp Sports/ or exp Sports for Persons with Disabilities/ or exp Rehabilitation Nursing/ or exp Rehabilitation Centers/ or exp Rehabilitation/ or exp Physical Exertion/ or exp Motor Activity/ or exp Movement/ or exp Sedentary Lifestyle/ or exp tai ji/ or exp yoga/

- 15 exercis*.ti,ab,kw.
- 16 fitness.ti,ab,kw.
- 17 (cycling or ergometer).ti,ab,kw.
- 18 (walk* or treadmill).ti,ab,kw.
- 19 aerobic*.ti,ab,kw.
- 20 (physical fit* or physical condition* or physical education or physical train* or physical mobility or physical activit* or physical exertion or physical effort).ti,ab,kw.
- 21 (physical therap* or physiotherap*).ti,ab,kw.
- 22 (strength* train* or aerobic train* or exercise* train*).ti,ab,kw.
- 23 (muscle strengthening or muscular strength or muscular resistance).ti,ab,kw.
- 24 (weight lift* or weights lift* or weightlifting or power lifting or weight training).ti,ab,kw.
- 25 kinesi*.ti,ab,kw.
- 26 (training course* or training program*).ti,ab,kw.
- 27 (rehabilitat*).ti,ab,kw.
- 28 or/14-27
- 29 exp controlled clinical trial/ or exp randomized controlled trial/
- 30 (randomi?ed or placebo* or randomly or trial or RCT or control groups).ti,ab,kw.
- 31 or/29-30
- 32 13 and 28 and 31

Cochrane Database	1 (h*emodialysis or h*emofiltration or h*emodiafiltration).ti,ab,kw.
of Systematic	2 dialysis.ti,ab,kw.
Reviews	3 (PD or CAPD or CCPD or APD).ti,ab,kw.

from 2005 to
August 2015
(Ovid)

- 4 (kidney disease* or renal disease*).ti,ab,kw.
- 5 (renal insufficiency or kidney failure or renal failure).ti,ab,kw.
- 6 (end-stage kidney or end-stage renal or endstage kidney or endstage renal).ti,ab,kw.
- 7 (CKF or CKD or CRF or CRD or ESRF or ESKF or ESRD or ESKD).ti,ab,kw.
- 8 (predialysis or pre-dialysis).ti,ab,kw.
- 9 (nephropath* or nephrit* or glomerul*).ti,ab,kw.
- 10 (ur*emi*).ti,ab,kw.
- 11 (kidney transplant* or renal transplant*).ti,ab,kw.
- 12 or/1-11
- 13 exercis*.ti,ab,kw.
- 14 fitness.ti,ab,kw.
- 15 (cycling or ergometer).ti,ab,kw.
- 16 (walk* or treadmill).ti,ab,kw.
- 17 aerobic*.ti,ab,kw.
- 18 (physical fit* or physical condition* or physical education or physical train* or physical mobility or physical activit* or physical exertion or physical effort).ti,ab,kw.
- 19 (physical therap* or physiotherap*).ti,ab,kw.
- 20 (strength* train* or aerobic train* or exercise* train*).ti,ab,kw.
- 21 (muscle strengthening or muscular strength or muscular resistance).ti,ab,kw.
- 22 (weight lift* or weights lift* or weightlifting or power lifting or weight training).ti,ab,kw.
- 23 kinesi*.ti,ab,kw.
- 24 (training course* or training program*).ti,ab,kw.
- 25 (rehabilitat*).ti,ab,kw.

- 26 or/13-25
27 (randomi?ed or placebo* or randomly or trial or RCT or control groups).ti,ab,kw.
28 13 and 26 and 27

MEDLINE
from 1950 to
August 2015
(Ovid)

- 1 exp Ultrafiltration/ or exp Kidney Failure, Chronic/ or exp Peritoneal Dialysis, Continuous Ambulatory/ or exp Renal Replacement Therapy/ or exp Kidney Transplantation/ or exp Renal Dialysis/ or exp Renal Insufficiency/ or exp Kidney Diseases/ or exp Kidney Diseases, Cystic/ or exp Glomerular Filtration Rate/ or exp Nephrology/
2 (h*emodialysis or h*emofiltration or h*emodiafiltration).ti,ab,kw.
3 dialysis.ti,ab,kw.
4 (PD or CAPD or CCPD or APD).ti,ab,kw.
5 (kidney disease* or renal disease*).ti,ab,kw.
6 (renal insufficiency or kidney failure or renal failure).ti,ab,kw.
7 (end-stage kidney or end-stage renal or endstage kidney or endstage renal).ti,ab,kw.
8 (CKF or CKD or CRF or CRD or ESRF or ESKF or ESRD or ESKD).ti,ab,kw.
9 (predialysis or pre-dialysis).ti,ab,kw.
10 (nephropath* or nephrit* or glomerul*).ti,ab,kw.
11 (ur*emi*).ti,ab,kw.
12 (kidney transplant* or renal transplant*).ti,ab,kw.
13 or/1-12
14 exp Exercise/ or exp Exercise Therapy/ or exp Exercise Movement Techniques/ or exp "Physical Education and Training"/ or exp "Physical and Rehabilitation Medicine"/ or exp Physical Fitness/ or exp Sports Medicine/ or exp Sports/ or exp Sports for Persons with Disabilities/ or exp Rehabilitation Nursing/ or exp

- Rehabilitation Centers/ or exp Rehabilitation/ or exp Physical Exertion/ or exp Motor Activity/ or exp Movement/ or exp Sedentary Lifestyle/ or exp tai ji/ or exp yoga/
- 15 exercis*.ti,ab,kw.
 - 16 fitness.ti,ab,kw.
 - 17 (cycling or ergometer).ti,ab,kw.
 - 18 (walk* or treadmill).ti,ab,kw.
 - 19 aerobic*.ti,ab,kw.
 - 20 (physical fit* or physical condition* or physical education or physical train* or physical mobility or physical activit* or physical exertion or physical effort).ti,ab,kw.
 - 21 (physical therap* or physiotherap*).ti,ab,kw.
 - 22 (strength* train* or aerobic train* or exercise* train*).ti,ab,kw.
 - 23 (muscle strengthening or muscular strength or muscular resistance).ti,ab,kw.
 - 24 (weight lift* or weights lift* or weightlifting or power lifting or weight training).ti,ab,kw.
 - 25 kinesi*.ti,ab,kw.
 - 26 (training course* or training program*).ti,ab,kw.
 - 27 (rehabilitat*).ti,ab,kw.
 - 28 or/14-27
 - 29 exp controlled clinical trial/ or exp randomized controlled trial/
 - 30 (randomi?ed or placebo* or randomly or trial or RCT or control groups).ti,ab,kw.
 - 31 or/29-30
 - 32 13 and 28 and 31

Embase

- 1 exp Ultrafiltration/ or exp Kidney Failure, Chronic/ or exp Peritoneal Dialysis, Continuous Ambulatory/ or

from 1974 to 2015

August

(Ovid)

- exp Renal Replacement Therapy/ or exp Kidney Transplantation/ or exp Renal Dialysis/ or exp Renal Insufficiency/ or exp Kidney Diseases/ or exp Kidney Diseases, Cystic/ or exp Glomerular Filtration Rate/ or exp Nephrology/
- 2 (h*emodialysis or h*emofiltration or h*emodiafiltration).ti,ab,kw.
 - 3 dialysis.ti,ab,kw.
 - 4 (PD or CAPD or CCPD or APD).ti,ab,kw.
 - 5 (kidney disease* or renal disease*).ti,ab,kw.
 - 6 (renal insufficiency or kidney failure or renal failure).ti,ab,kw.
 - 7 (end-stage kidney or end-stage renal or endstage kidney or endstage renal).ti,ab,kw.
 - 8 (CKF or CKD or CRF or CRD or ESRF or ESKF or ESRD or ESKD).ti,ab,kw.
 - 9 (predialysis or pre-dialysis).ti,ab,kw.
 - 10 (nephropath* or nephrit* or glomerul*).ti,ab,kw.
 - 11 (ur*emi*).ti,ab,kw.
 - 12 (kidney transplant* or renal transplant*).ti,ab,kw.
 - 13 or/1-12
 - 14 exp Exercise/ or exp Exercise Therapy/ or exp Exercise Movement Techniques/ or exp "Physical Education and Training"/ or exp "Physical and Rehabilitation Medicine"/ or exp Physical Fitness/ or exp Sports Medicine/ or exp Sports/ or exp Sports for Persons with Disabilities/ or exp Rehabilitation Nursing/ or exp Rehabilitation Centers/ or exp Rehabilitation/ or exp Physical Exertion/ or exp Motor Activity/ or exp Movement/ or exp Sedentary Lifestyle/ or exp tai ji/ or exp yoga/
 - 15 exercis*.ti,ab,kw.
 - 16 fitness.ti,ab,kw.
 - 17 (cycling or ergometer).ti,ab,kw.

- 18 (walk* or treadmill).ti,ab,kw.
- 19 aerobic*.ti,ab,kw.
- 20 (physical fit* or physical condition* or physical education or physical train* or physical mobility or physical activit* or physical exertion or physical effort).ti,ab,kw.
- 21 (physical therap* or physiotherap*).ti,ab,kw.
- 22 (strength* train* or aerobic train* or exercise* train*).ti,ab,kw.
- 23 (muscle strengthening or muscular strength or muscular resistance).ti,ab,kw.
- 24 (weight lift* or weights lift* or weightlifting or power lifting or weight training).ti,ab,kw.
- 25 kinesi*.ti,ab,kw.
- 26 (training course* or training program*).ti,ab,kw.
- 27 (rehabilitat*).ti,ab,kw.
- 28 or/14-27
- 29 exp randomized controlled trial/
- 30 (randomi?ed).ti.
- 31 (randomi?ed clinical or randomi?ed controlled or RCT).ab,kw.
- 32 or/29-31
- 33 13 and 28 and 32

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- PsycINFO** 1 (h*emodialysis or h*emofiltration or h*emodiafiltration).ti,ab.
 - from 1806 to August* 2 dialysis.ti,ab.
 - 2015* 3 (PD or CAPD or CCPD or APD).ti,ab.
 - (Ovid)** 4 (kidney disease* or renal disease*).ti,ab.
 - 5 (renal insufficiency or kidney failure or renal failure).ti,ab.

- 6 (end-stage kidney or end-stage renal or endstage kidney or endstage renal).ti,ab.
- 7 (CKF or CKD or CRF or CRD or ESRF or ESKF or ESRD or ESKD).ti,ab.
- 8 (predialysis or pre-dialysis).ti,ab.
- 9 (nephropath* or nephrit* or glomerul*).ti,ab.
- 10 (ur*emi*).ti,ab.
- 11 (kidney transplant* or renal transplant*).ti,ab.
- 12 or/1-11
- 13 exercis*.ti,ab.
- 14 fitness.ti,ab.
- 15 (cycling or ergometer).ti,ab.
- 16 (walk* or treadmill).ti,ab.
- 17 aerobic*.ti,ab.
- 18 (physical fit* or physical condition* or physical education or physical train* or physical mobility or physical activit* or physical exertion or physical effort).ti,ab.
- 19 (physical therap* or physiotherap*).ti,ab.
- 20 (strength* train* or aerobic train* or exercise* train*).ti,ab.
- 21 (muscle strengthening or muscular strength or muscular resistance).ti,ab.
- 22 (weight lift* or weights lift* or weightlifting or power lifting or weight training).ti,ab.
- 23 kinesi*.ti,ab.
- 24 (training course* or training program*).ti,ab.
- 25 (rehabilitat*).ti,ab.
- 26 or/13-25
- 27 (randomi?ed or placebo* or randomly or trial or RCT or control groups).ti,ab.

CINAHL*from 1981 to
August 2015*

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- 1 (MH "Renal Replacement Therapy+")
 - 2 (MH "Dialysis Patients")
 - 3 (MH "Hemodialysis+")
 - 4 (MH "Renal Insufficiency, Chronic+")
 - 5 (MH "Ultrafiltration+")
 - 6 (MH "Kidney Transplantation+")
 - 7 (MH "Peritoneal Dialysis+")
 - 8 TI (h*emodialysis or h*emofiltration or h*emodiafiltration)
 - 9 TI (dialysis)
 - 10 TI (kidney disease* or renal disease*)
 - 11 TI ((renal insufficiency) or (kidney failure) or (renal failure))
 - 12 TI ((end-stage kidney) or (end-stage renal) or (endstage kidney) or (endstage renal))
 - 13 TI (CKF or CKD or CRF or CRD or ESRF or ESKF or ESRD or ESKD)
 - 14 TI ((predialysis) or (pre-dialysis))
 - 15 TI (nephropath* or nephrit* or glomerul*)
 - 16 TI (ur*emi*)
 - 17 TI ((kidney transplant*) or (renal transplant*))
 - 18 S1 or S2 or S3 or S4 or S5 or S6 or S7 or S8 or S9 or S10 or S11 or S12 or S13 or S14 or S15 or S16 or S17
 - 19 (MH "Therapeutic Exercise+")
 - 20 (MH "Exercise+")

- 21 (MH "Exercise Test+")
- 22 (MH "Physical Therapy+") OR (MH "Rehabilitation, Cardiac+")
- 23 (MH "Physical Fitness+")
- 24 AB (exercis*)
- 25 AB (fitness)
- 26 AB (cycling or ergometer)
- 27 AB (walk* or treadmill)
- 28 AB (aerobic*)
- 29 AB (physical fit* or physical condition* or physical education or physical train* or physical mobility or physical activit* or physical exertion or physical effort).
- 30 AB (physical therap* or physiotherap*)
- 31 AB (strength* train* or aerobic train* or exercise* train*)
- 32 AB (muscle strengthening or muscular strength or muscular resistance)
- 33 AB (weight lift* or weights lift* or weightlifting or power lifting or weight training)
- 34 AB (kinesi*)
- 35 AB (training course* or training program*)
- 36 AB (rehabilitat*)
- 37 S19 or S20 or S21 or S22 or S23 or S24 or S25 or S26 or S27 or S28 or S29 or S30 or S31 or S32 or S33 or S34 or S35 or S36
- 38 (MM "Randomized Controlled Trials")
- 39 (MM "Random Assignment")
- 40 TI (randomi?ed)
- 41 AB (randomi?ed clinical or randomi?ed controlled or RCT)

42 S38 or S39 or S40 or S41

43 S18 and S37 and S42

Web of Science

From 1900 to

August 2015

1 Topic: (h*emodialysis or h*emofiltration or h*emodiafiltration)

2 Topic: dialysis

3 Topic: (PD or CAPD or CCPD or APD)

4 Topic: (kidney disease* or renal disease*)

5 Topic: ((renal insufficiency) or (kidney failure) or (renal failure))

6 Topic: ((end-stage kidney) or (end-stage renal) or (endstage kidney) or (endstage renal))

7 Topic: (CKF or CKD or CRF or CRD or ESRF or ESKF or ESRD or ESKD)

8 Topic: ((predialysis) or (pre-dialysis))

9 Topic: (nephropath* or nephrit* or glomerul*)

10 Topic: (ur*emi*)

11 Topic: ((kidney transplant*) or (renal transplant*))

12 #11 OR #10 OR #9 OR #8 OR #7 OR #6 OR #5 OR #4 OR #3 OR #2 OR #1

13 Topic: exercis*

14 Topic: fitness

15 Topic: (cycling or ergometer)

16 Topic: (walk* or treadmill)

17 Topic: aerobic*

18 Topic: (physical fit* or physical condition* or physical education or physical train* or physical mobility or physical activit* or physical exertion or physical effort)

19 Topic: (physical therap* or physiotherap*)

- 20 Topic: (strength* train* or aerobic train* or exercise* train*)
- 21 Topic: (muscle strengthening or muscular strength or muscular resistance)
- 22 Topic: (weight lift* or weights lift* or weightlifting or power lifting or weight training)
- 23 Topic: kinesi*
- 24 Topic: (training course* or training program*)
- 25 Topic: (rehabilitat*)
- 26 #25 OR #24 OR #23 OR #22 OR #21 OR #20 OR #19 OR #18 OR #17 OR #16 OR #15 OR #14 OR #13
- 27 Title: (randomi?ed)
- 28 Topic: (randomi?ed clinical or randomi?ed controlled or RCT)
- 29 #28 OR #27
- 30 #29 AND #26 AND #12

PEDro

From start to

August 2015

- 1 abstract & Title: *renal, Therapy: fitness training, Method: clinical trial
 - 2 abstract & Title: *kidney, Therapy: fitness training, Method: clinical trial
 - 3 abstract & Title: *dialysis, Therapy: fitness training, Method: clinical trial
 - 4 abstract & Title: *renal, Therapy: strength training, Method: clinical trial
 - 5 abstract & Title: *kidney, Therapy: strength training, Method: clinical trial
 - 6 abstract & Title: *dialysis, Therapy: strength training, Method: clinical trial
 - 7 1 OR 2 OR 3 OR 4 OR 5 OR 6
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