Search Strategy

Ovid MEDLINE

#1 Diet, Carbohydrate-Restricted/
#2 low carbohydrate.tw,kw.
#3 (carbohydrate adj2 restrict*).tw,kw.
#4 Ketogenic Diet/
#5 (ketogenic and diet*).tw,kw.
#6 (atkins and diet*).tw,kw.
#7 1 or 2 or 3 or 4 or 5 or 6
#8 Diet, Fat-Restricted/
#9 (fat adj2 restrict*).tw,kw.
#10 low fat.tw,kw.
#11 (conventional and diet*).tw,kw.
#12 8 or 9 or 10 or 11
#13 7 and 12
#14 Weight Loss/
#15 Body Weight/
#16 (lowering adj2 weight).tw,kw.
#17 (weight adj2 loss).tw,kw.
#18 (weight adj2 reduction).tw,kw.
#19 body weight.tw,kw.
#20 14 or 15 or 16 or 17 or 18 or 19
#21 exp Cardiovascular Diseases/
#22 (cardio* or heart or coronary).tw,kw.
#23 21 or 22
#24 20 or 23
#25 13 and 24
#26 limit 25 to "therapy (best balance of sensitivity and specificity)"
#27 randomized controlled trial.pt.
#28 controlled clinical trial.pt.
#29 randomized.ab.
#30 placebo.ab.
#31 drug therapy.fs.
#32 randomly.ab.
#33 trial.ab
#34 groups.ab.
#35 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34
#36 exp animals/ not humans.sh.
#37 (#35 not #36).mp.
#38 25 and 37
#39 26 or 38
#40 limit 39 to english language
**Embase**

#1 low carbohydrate diet/
#2 (carbohydrate adj2 restrict*).tw,kw.
#3 low carbohydrate.tw,kw.
#4 ketogenic diet/
#5 (ketogenic and diet*).tw,kw.
#6 (atkins and diet*).tw,kw.
#7 1 or 2 or 3 or 4 or 5 or 6
#8 low fat diet/
#9 (fat adj2 restrict*).tw,kw.
#10 low fat.tw,kw.
#11 (conventional and diet*).tw,kw.
#12 8 or 9 or 10 or 11
#13 7 and 12
#14 weight reduction/
#15 (lowering adj2 weight).tw,kw.
#16 (weight adj2 loss).tw,kw.
#17 body weight/ or weight change/ or weight gain/ or weight reduction/
#18 body weight.tw,kw.
#19 14 or 15 or 16 or 17 or 18
#20 exp cardiovascular disease/
#21 (cardio* or heart or coronar*).tw,kw.
#22 20 or 21
#23 19 or 22
#24 13 and 23
#25 (random$ or factorial$ or crossover$ or cross over$ or cross-over$ or placebo$ or (doubl$ adj blind$) or (singl$ adj blind$) or assign$ or allocat$ or volunteer$).tw,kw
#26 crossover procedure/
#27 double blind procedure/
#28 randomized controlled trial/
#29 single blind procedure/
#30 26 or 27 or 28 or 29
#31 25 or 30
#32 24 and 31
#33 limit 24 to "therapy (best balance of sensitivity and specificity)"
#34 32 or 33
#35 limit 34 to (human and english language)

**Cochrane Library Trials**

#1 MeSH descriptor: [Diet, Carbohydrate-Restricted]
#2 carbohydrate near/2 restrict*:ti,ab,kw
#3 "low carbohydrate":ti,ab,kw
#4 MeSH descriptor: [Ketogenic Diet]
#5 (ketogenic and diet*):ti,ab,kw
#6 (atkins and diet*).ti,ab,kw
#7 #1 or #2 or #3 or #4 or #5 or #6
#8 MeSH descriptor: [Diet, Fat-Restricted]
#9 fat near/2 restrict*:ti,ab,kw
#10 "low fat":ti,ab,kw
#11 "conventional diet*":ti,ab,kw
#12 #8 or #9 or #10 or #11
#13 #7 and #12
#14 MeSH descriptor: [Weight Loss]
#15 MeSH descriptor: [Body Weight]
#16 "body weight":ti,ab,kw
#17 weight near/2 loss:ti,ab,kw
#18 weight near/2 reduct*:ti,ab,kw
#19 MeSH descriptor: [Cardiovascular Diseases]
#20 cardio* or vascular* or heart:ti,ab,kw
#21 #14 or #15 or #16 or #17 or #18 or #19 or #20
#22 #13 and #21