

Appendix 1 (as supplied by the authors): Search terms and strategies

The Cochrane Library

- #1 MeSH descriptor Diabetes mellitus, type 2 explode all trees
- #2 MeSH descriptor Insulin resistance explode all trees
- #3 ((impaired in All Text and glucose in All Text and toleranc* in All Text) or (glucose in All Text and intoleranc* in All Text) or (insulin* in All Text and resistanc* in All Text))
- #4 (obes* in All Text near/6 diabet* in All Text)
- #5 (MODY in All Text or NIDDM in All Text or TDM2 in All Text)
- #6 ((non in All Text and insulin* in All Text and depend* in All Text) or (noninsulin* in All Text and depend* in All Text) or (non in All Text and insulindepend* in All Text) or noninsulindepend* in All Text)
- #7 (typ* in All Text and (2 in All Text near/6 diabet* in All Text))
- #8 (typ* in All Text and (II in All Text near/6 diabet* in All Text))
- #9 (non in All Text and (keto* in All Text near/6 diabet* in All Text))
- #10 (nonketo* in All Text near/6 diabet* in All Text)
- #11 (adult* in All Text near/6 diabet* in All Text)
- #12 (matur* in All Text near/6 diabet* in All Text)
- #13 (late in All Text near/6 diabet* in All Text)
- #14 (slow in All Text near/6 diabet* in All Text)
- #15 (stabl* in All Text near/6 diabet* in All Text)
- #16 (insulin* in All Text and (defic* in All Text near/6 diabet* in All Text))
- #17 (plurimetabolic in All Text and syndrom* in All Text)
- #18 (pluri in All Text and metabolic in All Text and syndrom* in All Text)
- #19 (#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10)
- #20 (#11 or #12 or #13 or #14 or #15 or #16 or #17 or #18)
- #21 (#19 or #20)
- #22 MeSH descriptor Diabetes insipidus explode all trees
- #23 (diabet* in All Text and insipidus in All Text)
- #24 (#22 or #23)
- #25 (#21 and not #24)
- #26 MeSH descriptor Sulfonylurea compounds explode all trees
- #27 (insulin? in All Text and secretagog* in All Text)
- #28 (acetohexamid* in All Text or carbutamid* in All Text or chlorpropamid* in All Text or tolbutamid* in All Text or tolazamid* in All Text)
- #29 (glipizid* in All Text or gliclazid* in All Text or glibenclamid* in All Text or glyburid* in All Text or gliquidon* in All Text or glycopyramid* in All Text)
- #30 glimepirid* in All Text
- #31 (meglitinid* in All Text or repaglinid* in All Text or nateglinid* in All Text)
- #32 (sulfonylurea* in All Text or sulphonylurea* in All Text)
- #33 (glibenese* in All Text or minidiab* in All Text or glucotrol* in All Text or daonil* in All Text or euglucon* in All Text or glynase* in All Text)
- #34 (#26 or #27 or #28 or #29 or #30 or #31 or #32 or #33)
- #35 (#25 and #34)

MEDLINE

1. exp Diabetes Mellitus, Type 2/
2. exp Insulin Resistance/
3. exp Glucose Intolerance/
4. (impaired glucos\$ toleranc\$ or glucos\$ intoleranc\$ or insulin resistanc\$).tw,ot.
5. (obes\$ adj3 diabet\$).tw,ot.
6. (MODY or NIDDM or T2DM).tw,ot.
7. (non insulin\$ depend\$ or noninsulin\$ depend\$ or noninsulin?depend\$ or non insulin?depend\$).tw,ot.
8. ((typ? 2 or typ? II or typ?2 or typ?II) adj3 diabet\$).tw,ot.
9. ((keto?resist\$ or non?keto\$) adj6 diabet\$).tw,ot.
10. (((late or adult\$ or matur\$ or slow or stabl\$) adj3 onset) and diabet\$).tw,ot.
11. or/1-10
12. exp Diabetes Insipidus/
13. diabet\$ insipidus.tw,ot.
14. 12 or 13
15. 11 not 14
16. exp Sulfonylurea Compounds/
17. exp Glyburide/
18. insulin? secretagog\$.tw,ot.
19. (acetoexamid\$ or Carbutamid\$ or Chlorpropamid\$ or Tolbutamid\$ or Tolazamid\$).tw,ot.
20. (Glipizid\$ or Gliclazid\$ or Glibenclamid\$ or glyburid\$ or Gliquidon\$ or Glyclopamid\$).tw,ot.
21. glimepirid\$.tw,ot.
22. (meglitinid\$ or repaglinid\$ or nateglinid\$).tw,ot.
23. (sulfonylurea\$ or sulphonylurea\$).tw,ot.
24. (glibenese\$ or minidiab\$ or Glucotrol\$ or daonil\$ or euglucon\$ or Glynase\$).tw,ot.
25. or/16-24
26. 15 and 25
27. randomized controlled trial.pt.
28. controlled clinical trial.pt.
29. randomi?ed.ab.
30. placebo.ab.
31. clinical trials as topic.sh.
32. randomly.ab.
33. trial.ti.
34. or/27-33
35. Meta-analysis.pt.
36. exp Technology Assessment, Biomedical/
37. exp Meta-analysis/
38. exp Meta-analysis as topic/
39. hta.tw,ot.
40. (health technology adj6 assessment\$).tw,ot.
41. (meta analy\$ or metaanaly\$ or meta?analy\$).tw,ot.

42. ((review\$ or search\$) adj10 (literature\$ or medical database\$ or medline or pubmed or embase or cochrane or cinahl or psycinfo or psyclit or healthstar or biosis or current content\$ or systemat\$)).tw,ot.
43. or/35-42
44. (comment or editorial or historical-article).pt.
45. 43 not 44
46. 34 or 45
47. 26 and 46
48. (animals not (animals and humans)).sh.
49. 47 not 48

Embase

1. exp Diabetes Mellitus, Type 2/
2. exp Insulin Resistance/
3. (MODY or NIDDM or T2D or T2DM).tw,ot.
4. ((typ? 2 or typ? II or typ?II or typ?2) adj3 diabet*).tw,ot.
5. (obes* adj3 diabet*).tw,ot.
6. (non insulin* depend* or non insulin?depend* or noninsulin* depend* or noninsulin?depend*).tw,ot.
7. ((keto?resist* or non?keto*) adj3 diabet*).tw,ot.
8. ((adult* or matur* or late or slow or stabl*) adj3 diabet*).tw,ot.
9. (insulin* defic* adj3 relativ*).tw,ot.
10. insulin* resistanc*.tw,ot.
11. or/1-10
12. exp Diabetes Insipidus/
13. diabet* insipidus.tw,ot.
14. 12 or 13
15. 11 not 14
16. exp sulfonyleurea derivative/
17. insulin? secretagog*.tw,ot.
18. exp acetohexamide/
19. exp carbutamide/
20. exp chlorpropamide/
21. exp tolbutamide/
22. exp tolazamide/
23. (acetohexamid* or carbutamid* or chlorpropamid* or tolbutamid* or tolazamid*).tw,ot.
24. exp glipizide plus metformin/ or exp glipizide/ or exp glibenclamide/
25. exp gliclazide/
26. exp gliquidone/
27. (glipizid* or gliclazid* or glibenclamid* or glyburid* or gliquidon* or glyclopyramid*).tw,ot.
28. exp glimepiride/
29. glimepirid*.tw,ot.

30. exp meglitinide/
31. exp repaglinide/
32. exp nateglinide/
33. (meglitinid* or repaglinid* or nateglinid*).tw,ot.
34. (sulfonylurea* or sulphonylurea*).tw,ot.
35. (glibenese* or minidiab* or glucotrol* or daonil* or euglucon* or glynase*).tw,ot.
36. or/16-35
37. 15 and 36
38. exp Randomized Controlled Trial/
39. exp Controlled Clinical Trial/
40. exp Clinical Trial/
41. exp Comparative Study/
42. exp Drug comparison/
43. exp Randomization/
44. exp Crossover procedure/
45. exp Double blind procedure/
46. exp Single blind procedure/
47. exp Placebo/
48. exp Prospective Study/
49. ((clinical or control\$ or comparativ\$ or placebo\$ or prospectiv\$ or randomi?ed) adj3 (trial\$ or stud\$)).ab,ti.
50. (random\$ adj6 (allocat\$ or assign\$ or basis or order\$)).ab,ti.
51. ((singl\$ or doubl\$ or trebl\$ or tripl\$) adj6 (blind\$ or mask\$)).ab,ti.
52. (cross over or crossover).ab,ti.
53. or/38-52
54. exp meta analysis/
55. (metaanaly\$ or meta analy\$ or meta?analy\$).ab,ti,ot.
56. ((review\$ or search\$) adj10 (literature\$ or medical database\$ or medline or pubmed or embase or cochrane or cinahl or psycinfo or psyclit or healthstar or biosis or current content\$ or systematic\$)).ab,ti,ot.
57. exp Literature/
58. exp Biomedical Technology Assessment/
59. hta.tw,ot.
60. (health technology adj6 assessment\$).tw,ot.
61. or/54-60
62. 53 or 61
63. 37 and 62
64. (comment or editorial or historical-article).pt.
65. 63 not 64

Latin American and Caribbean Health Sciences Literature (LILACS)

(sulfonylurea OR sulphonylurea) [Words] and diabetes [Words] and not insipidus [Words]

Science Citation Index Expanded

- # 1 TS=((impaired glucose toleranc*) or (glucose intoleranc*) or (insulin* resistanc*))
- # 2 TS=(obes* SAME diabet*)
- # 3 TS=(mody OR NIDDM OR TDM2)
- # 4 TS=((non insulin* depend*) or (noninsulin* depend*) or (non insulindepend*) or (noninsulindepend*))
- # 5 TS=(typ* AND (2 SAME diabet*))
- # 6 TS=(typ* AND (II SAME diabet*))
- # 7 TS=(non AND (keto* SAME diabet*))
- # 8 TS=(nonketo* SAME diabet*)
- # 9 TS=(adult* SAME diabet*)
- # 10 TS=(matur* SAME diabet*)
- # 11 TS=(late SAME diabet*)
- # 12 TS=(slow SAME diabet*)
- # 13 TS=(stabl* SAME diabet*)
- # 14 TS=(insulin and (defic* SAME diabet*))
- # 15 TS=(plurimetabolic syndrom*)
- # 16 TS=(pluri metabolic syndrom*)
- # 17 #16 OR #15 OR #14 OR #13 OR #12 OR #11 OR #10 OR #9 OR #8 OR #7 OR #6 OR #5 OR #4 OR #3 OR #2 OR #1
- # 18 TS=(diabet* insipidus)
- # 19 #17 NOT #18
- # 20 TS=(insulin* secretagog*)
- # 21 TS=(acetoexamid* or carbutamid* or chlorpropamid* or tolbutamid* or tolazamid*)
- # 22 TS=(glipizid* or gliclazid* or glibenclamid* or glyburid* or gliquidon* or glyclopyramid*)
- # 23 TS=(glimepirid*)
- # 24 TS=(sulfonyleurea* or sulphonylurea*)
- # 25 TS=(glibenese* or minidiab* or glucotrol* or daonil* or euglucon* or glynase*)
- # 26 #25 OR #24 OR #23 OR #22 OR #21 OR #20
- # 27 #26 AND #19
- # 28 TS=((random* OR controlled OR clinical) AND trial*) OR placebo* OR meta-analysis)
- # 29 #28 AND #27

Cumulative Index to Nursing and Allied Health Literature (CINHAL) (Ovid SP)

- S1 (MM "Diabetes Mellitus, Non-Insulin-Dependent")
- S2 (MM "Insulin Resistance")
- S3 (MM "Glucose Intolerance")
- S4 (impaired glucos* toleranc* or glucos* intoleranc* or insulin resistanc*) or TI (impaired glucos* toleranc* or glucos* intoleranc* or insulin resistanc*)
- S5 TX obes* N3 diabet* or TI obes* N3 diabet*
- S6 TX (MODY or NIDDM or T2DM) or TI (MODY or NIDDM or T2DM)

S7 TX (non insulin* depend* or noninsulin* depend* or noninsulin?depend* or non insulin?depend*) or TI (non insulin* depend* or noninsulin* depend* or noninsulin?depend* or non insulin?depend*)

S8 TX ((typ? 2 or typ? II or typ?2 or typ?II) AND diabet*) or TI ((typ? 2 or typ? II or typ?2 or typ?II) AND diabet*)

S9 TX ((keto?resist* or non?keto*) AND diabet*) and TI ((keto?resist* or non?keto*) AND diabet*)

S10 TX ((late or adult* or matur* or slow or stabl*) AND onset AND diabet*) or TI ((late or adult* or matur* or slow or stabl*) AND onset AND diabet*)

S11 S1 or S2 or S3 or S4 or S5 or S6 or S7 or S8 or S9 or S10

S12 (MM "Diabetes Insipidus")

S13 TX diabet* insipidus or TI diabet* insipidus

S14 S12 or S13

S15 S11 NOT S14

S16 (MM "Sulfonylurea Compounds")

S17 (MM "Glyburide")

S18 TX insulin* secretagog* or TI insulin* secretagog*

S19 TX (acetohexamid* or Carbutamid* or Chlorpropamid* or Tolbutamid* or Tolazamid*) or TI (acetohexamid* or Carbutamid* or Chlorpropamid* or Tolbutamid* or Tolazamid*)

S20 TX (Glipizid* or Gliclazid* or Glibenclamid* or glyburid* or Gliquidon* or Glycropyramid*) and TI (Glipizid* or Gliclazid* or Glibenclamid* or glyburid* or Gliquidon* or Glycropyramid*)

S21 TX glimepirid* or TI glimepirid*

S22 TX (meglitinid* or repaglinid* or nateglinid*) or TI (meglitinid* or repaglinid* or nateglinid*)

S23 TX (sulfonylurea* or sulphonylurea*) or TI (sulfonylurea* or sulphonylurea*)

S24 TX (glibenese* or minidiab* or Glucotrol* or daonil* or euglucon* or glynase*) or TI (glibenese* or minidiab* or Glucotrol* or daonil* or euglucon* or glynase*)

S25 S16 or S17 or S18 or S19 or S20 or S21 or S22 or S23 or S24

S26 S15 and S25

S27 TX (random* OR blind* OR placebo* OR group*) or TI (random* OR blind* OR placebo* OR group*)

S28 S26 and S27