

S2 Table. Search Strategies

Data source	Search terms
PubMed	<p>#1 Sodium glucose co-transporter 2</p> <p>#2 SGLT2 OR SGLT-2 OR SGLT 2</p> <p>#3 Tofogliflozin OR Empagliflozin OR Dapagliflozin OR Canagliflozin OR Sotagliflozin OR Luseogliflozin OR Ipragliflozin OR Remogliflozin OR Sergliflozin OR Ertugliflozin</p> <p>#4 OR#1 - #3</p> <p>#5 DPP-4 OR DDP4 OR DPP 4</p> <p>#6 Vildagliptin OR Saxagliptin OR Sitagliptin OR Linagliptin OR Alogliptin OR Dutogliptin OR Gemigliptin OR Camegliptin OR Teneigliptin</p> <p>#7 #5 OR #6</p> <p>#8 Metformin</p> <p>#9 Alpha glucosidase inhibitor OR Acarbose OR Miglitol OR Voglibose</p> <p>#10 Glitazone OR Thiazolidinedione OR Pioglitazone OR Rivoglitazone OR Rosiglitazone</p> <p>#11 GLP-1 OR Exenatide OR Liraglutide OR Lixisenatide OR Albiglutide OR Dulaglutide OR Semaglutide OR Taspoglutide</p> <p>#12 Insulin OR Aspart OR Glulisine OR Lispro OR Glargine OR Degludec OR Detemir OR Isophane</p> <p>#13 #4 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12</p> <p>#14 Diabetes mellitus or Diabetes</p> <p>#15 random*</p> <p>#16 "Randomized Controlled Trial"[Publication Type]</p> <p>#17 RCT or RCTs</p> <p>#18 OR/#15 - #17</p> <p>#19 #13 AND #14 AND #18</p>
CENTRAL	<p>TITLE-ABSTRACT- KEYWORDS (Sodium Glucose co-transporter 2 OR SGLT2 OR SGLT-2 OR SGLT 2 OR Tofogliflozin OR Empagliflozin OR Dapagliflozin OR Canagliflozin OR Sotagliflozin OR luseogliflozin OR Ipragliflozin OR Remogliflozin OR Sergliflozin OR Ertugliflozin OR DPP-4 OR DDP4 OR DPP 4 OR Vildagliptin</p>

OR Saxagliptin OR Sitagliptin OR Linagliptin OR Alogliptin OR
Dutogliptin OR Gemigliptin OR Camegliptin OR Teneigliptin OR
Metformin OR GLP-1 OR Exenatide OR Liraglutide OR Lixisenatide
OR Albiglutide OR Dulaglutide OR Semaglutide OR Taspoglutide
OR Insulin OR Aspart OR Glulisine OR Lispro OR Glargine OR
Degludec OR Detemir OR Isophane OR Alpha glucosidase inhibitor
OR Acarbose OR Miglitol OR Voglibose OR Glitazone OR
Thiazolidinedione OR Pioglitazone OR Rivoglitazone OR
Rosiglitazone) AND (Diabetes mellitus or Diabetes)

Embase

TITLE-ABSTRACT-AUTHOR KEYWORDS (Sodium Glucose co-
transporter 2 OR SGLT2 OR SGLT-2 OR SGLT 2 OR Tofogliflozin
OR Empagliflozin OR Dapagliflozin OR Canagliflozin OR
Sotagliflozin OR luseogliflozin OR Ipragliflozin OR Remogliflozin
OR Sergliflozin OR Ertugliflozin OR DPP-4 OR DDP4 OR DPP 4
OR Vildagliptin OR Saxagliptin OR Sitagliptin OR Linagliptin OR
Alogliptin OR Dutogliptin OR Gemigliptin OR Camegliptin OR
Teneigliptin OR Metformin OR GLP-1 OR Exenatide OR Liraglutide
OR Lixisenatide OR Albiglutide OR Dulaglutide OR Semaglutide OR
Taspoglutide OR Insulin OR Aspart OR Glulisine OR Lispro OR
Glargine OR Degludec OR Detemir OR Isophane OR Alpha
glucosidase inhibitor OR Acarbose OR Miglitol OR Voglibose OR
Glitazone OR Thiazolidinedione OR Pioglitazone OR Rivoglitazone
OR Rosiglitazone) AND (RCT* OR random*)