

Supplementary Table 2. Search strategies for databases

No.	Search syntax
Embase and MEDLINE via Ovid	
1	("sodium glucose transporter 2 inhibitor*" or "sglt-2*" or "sglt2*" or "canagliflozin" or "dapagliflozin" or "empagliflozin" or "ertugliflozin" or "sotagliflozin" or "bexagliflozin" or "gliflozin*").mp. or "sodium-glucose cotransporter 2 inhibitor".kw.
2	exp "sodium glucose transporter 2 inhibitors"/
3	("eGFR*" or "GFR*" or "glomerular filtration rate").mp.
4	((("kidney" or "renal*") adj function*).mp.
5	exp "glomerular filtration rate"/
6	("fall*" or "dip" or "dipping" or "dips" or "dipped" or "drop*" or "slump*" or "decline*" or "impair*" or "reduc*" or "decrease*" or "change*" or "deteriorat*" or "worsen*" or "diminish*" or "lessen*").mp.
7	"kidney function decline".kw.
8	((randomized controlled trial or controlled clinical trial).pt. or randomi*ed.ab. or placebo.ab. or drug therapy.fs. or randomly.ab. or trial.ab. or groups.ab.) not (exp animals/ not humans.sh.)
9	Epidemiologic Studies/ or exp Cohort Studies/ or ((epidemiologic adj (study or studies)) or (cohort adj (study or studies)) or "cohort analy*" or ("follow up" adj (study or studies)) or longitudinal or retrospective* or prospective* or (observ* adj3 (study or studies))).ti,ab.
10	(#1 or #2) and (((#3 or #4 or #5) and #6) or #7) and (#8 or #9)
Cochrane Central Register of Controlled Trials (CENTRAL)	
1	("sodium glucose transporter 2 inhibitor*" or "sglt-2*" or "sglt2*" or "canagliflozin" or "dapagliflozin" or "empagliflozin" or "ertugliflozin" or "sotagliflozin" or "bexagliflozin" or "gliflozin*"):ti,ab,kw
2	[mh "sodium glucose transporter 2 inhibitors"]
3	("eGFR*" or "GFR*" or "glomerular filtration rate"):ti,ab,kw
4	((("kidney" or "renal*") adj function*):ti,ab,kw
5	[mh "glomerular filtration rate"]
6	("fall*" or "dip" or "dipping" or "dips" or "dipped" or "drop*" or "decline*" or "reduc*" or "decrease*" or "change*" or "deteriorat*"):ti,ab,kw
7	(#1 OR #2) AND (#3 OR #4 OR #5) AND #6