

Supplementary material

Supplementary File 1

Full electronic search

Full electronic search performed in multiple international databases.

- PubMed
- Embase
- Cochrane Library
- Web of Science

PubMed search formula

#1) "Search ((Gestational Diabetes) OR Diabetes Mellitus, Gestational) OR Gestational Diabetes Mellitus

#2) "Search Glycated Albumin

#3) "Search ((Gestational Diabetes) OR Diabetes Mellitus, Gestational) OR Gestational Diabetes Mellitus AND Glycated Albumin

Web of science search formula

Timespan = All Years(1950-2020), Search language to use = English

#1) TS = "Gestational Diabetes" OR TS = "Diabetes Mellitus, Gestational" OR TS = "Gestational Diabetes Mellitus"

#2) TS = "Glycated Albumin"

#3) #2 AND #1

Embase Search

#1) 'Gestational Diabetes'/exp OR 'Diabetes Mellitus, Gestational' OR 'Gestational Diabetes Mellitus'

#2) 'Glycated Albumin /exp

#3) #1 AND #2

#4) #3 AND ('clinical trial'/de OR 'randomized controlled trial'/de)

#5) #3 AND ('clinical trial'/exp OR 'clinical trial' OR 'randomized controlled trial'/exp OR 'randomized controlled trial')

#6) #3 AND ('clinical trial'/exp OR 'clinical trial' OR 'randomized controlled trial'/exp OR 'randomized controlled trial') AND ([controlled clinical trial]/lim OR [randomized controlled trial]/lim)

#7) #3 AND ('clinical trial'/exp OR 'clinical trial' OR 'randomized controlled trial'/exp OR 'randomized controlled trial') AND ([controlled clinical trial]/lim OR [randomized controlled trial]/lim) AND [embase]/lim

Cochrane Library Search formula

#1) Gestational Diabetes or Diabetes Mellitus, Gestational or Gestational Diabetes Mellitus

#2) Glycated Albumin

#3) #1 and #2 and #3

#4) MeSH descriptor: [Gestational Diabetes] explode all trees

#5) MeSH descriptor: [Diabetes Mellitus, Gestational] explode all trees

#6) MeSH descriptor: [Gestational Diabetes Mellitus] explode all trees

#7) MeSH descriptor: [Glycated Albumin] explode all trees

#8 #4 or #5 or #6

#9) #7

#10) #8 and #9

#11) #10 or #3

#12) #11 or #3 in Trials

Supplementary Figure 1 The expression of glycated HbA1c in the two groups. The results showed that the pooled WMD for GA levels and GDM risk in all patients decreased to 0.19 (95%CI: 0.15-0.22; I2 = 31.1%, P < 0.001)

