**Supplementary Material**

**1. Methods**

**PICO** definitions for Inclusion criteria:

**Population:** Population included in articles (i) which evaluated/compared the GDM status during the pandemic and pre-pandemic period among pregnant women, (ii) which evaluated the GDM status among pregnant women confirmed with COVID-19 infection, (iii) which evaluated the COVID-19 status among pregnant women diagnosed with GDM. Exclusion criteria such as insufficient data, severe complications during pregnancy, withdrawal of consent as specified in the respective articles.

**Exposure:** (i) Pregnant women with GDM who were exposed to COVID-19 pandemic compared to the pre-pandemic period, (ii) pregnant women with GDM who were exposed to COVID-19 infection (with COVID-19 versus without COVID-19), (iii) pregnant women with COVDI-19 infection who were (exposed to) diagnosed with GDM (with GDM versus without GDM).

**Comparison:** (i) pregnant women with GDM during pandemic versus pre-pandemic period, (ii) pregnant women with confirmed COVID19 infection compared for GDM i.e., with GDM versus without GDM, (iii) pregnant women with GDM compared for positive and negative COVID-19 infections.

**Outcomes:** (i) Comparison of the prevalence of GDM during pandemic and pre-pandemic period, (ii) Evaluation of COVID-19 as a risk factor for GDM, (iii) Evaluation of GDM as a risk factor for COVID-19.

**PubMed Search strategy:**

Search: **(severe acute respiratory syndrome coronovirus 2 OR SARS-CoV-2 OR coronavirus disease 2019 OR COVID-19) AND (gestational diabetes mellitus)**

 ((("severe acute respiratory syndrome"[MeSH Terms] OR ("severe"[All Fields] AND "acute"[All Fields] AND "respiratory"[All Fields] AND "syndrome"[All Fields]) OR "severe acute respiratory syndrome"[All Fields]) AND "coronovirus"[All Fields] AND "2"[All Fields]) OR ("sars cov 2"[MeSH Terms] OR "sars cov 2"[All Fields] OR "sars cov 2"[All Fields]) OR ("covid 19"[MeSH Terms] OR "covid 19"[All Fields] OR "coronavirus disease 2019"[All Fields]) OR ("covid 19"[All Fields] OR "covid 19"[MeSH Terms] OR "covid 19 vaccines"[All Fields] OR "covid 19 vaccines"[MeSH Terms] OR "covid 19 serotherapy"[All Fields] OR "covid 19 nucleic acid testing"[All Fields] OR "covid 19 nucleic acid testing"[MeSH Terms] OR "covid 19 serological testing"[All Fields] OR "covid 19 serological testing"[MeSH Terms] OR "covid 19 testing"[All Fields] OR "covid 19 testing"[MeSH Terms] OR "sars cov 2"[All Fields] OR "sars cov 2"[MeSH Terms] OR "severe acute respiratory syndrome coronavirus 2"[All Fields] OR "ncov"[All Fields] OR "2019 ncov"[All Fields] OR (("coronavirus"[MeSH Terms] OR "coronavirus"[All Fields] OR "cov"[All Fields]) AND 2019/11/01:3000/12/31[Date - Publication]))) AND ("diabetes, gestational"[MeSH Terms] OR ("diabetes"[All Fields] AND "gestational"[All Fields]) OR "gestational diabetes"[All Fields] OR ("gestational"[All Fields] AND "diabetes"[All Fields] AND "mellitus"[All Fields]) OR "gestational diabetes mellitus"[All Fields])

Translations

severe acute respiratory syndrome: "severe acute respiratory syndrome"[MeSH Terms] OR ("severe"[All Fields] AND "acute"[All Fields] AND "respiratory"[All Fields] AND "syndrome"[All Fields]) OR "severe acute respiratory syndrome"[All Fields]

SARS-CoV-2: "sars-cov-2"[MeSH Terms] OR "sars-cov-2"[All Fields] OR "sars cov 2"[All Fields]

coronavirus disease 2019: "covid-19"[MeSH Terms] OR "covid-19"[All Fields] OR "coronavirus disease 2019"[All Fields]

COVID-19: ("COVID-19" OR "COVID-19"[MeSH Terms] OR "COVID-19 Vaccines" OR "COVID-19 Vaccines"[MeSH Terms] OR "COVID-19 serotherapy" OR "COVID-19 serotherapy"[Supplementary Concept] OR "COVID-19 Nucleic Acid Testing" OR "covid-19 nucleic acid testing"[MeSH Terms] OR "COVID-19 Serological Testing" OR "covid-19 serological testing"[MeSH Terms] OR "COVID-19 Testing" OR "covid-19 testing"[MeSH Terms] OR "SARS-CoV-2" OR "sars-cov-2"[MeSH Terms] OR "Severe Acute Respiratory Syndrome Coronavirus 2" OR "NCOV" OR "2019 NCOV" OR (("coronavirus"[MeSH Terms] OR "coronavirus" OR "COV") AND 2019/11/01[PDAT] : 3000/12/31[PDAT]))

gestational diabetes mellitus: "diabetes, gestational"[MeSH Terms] OR ("diabetes"[All Fields] AND "gestational"[All Fields]) OR "gestational diabetes"[All Fields] OR ("gestational"[All Fields] AND "diabetes"[All Fields] AND "mellitus"[All Fields]) OR "gestational diabetes mellitus"[All Fields]

**Cochrane Library Search strategy:**

Search: **(severe acute respiratory syndrome coronavirus 2 OR SARS-CoV-2 OR coronavirus disease 2019 OR COVID-19) AND (gestational diabetes mellitus)**

Cochrane Reviews = 77

Cochrane Protocols = 18

Trials = 20659

Editorials = 11

Special Collections = 9

Clinical answers = 61