

Effect of Caffeine on Gestational Diabetes Screening

Submission date
27/09/2005

Recruitment status
No longer recruiting

☐ Prospectively registered

☐ Protocol

Registration date
21/11/2005

Overall study status
Completed

☐ Statistical analysis plan

☒ Results

Last Edited
12/01/2021

Condition category
Nutritional, Metabolic, Endocrine

☐ Individual participant data

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

Contact name
Dr Graeme Smith

Contact details
Department of Obstetrics & Gynecology
Kingston General Hospital
76 Stuart St.
Kingston
Canada
K7L 2V7
+1 6135482405
gns@post.queensu.ca

Additional identifiers

Protocol serial number
N/A

Study information

Scientific Title
Effect of Caffeine on Gestational Diabetes Screening

Study objectives

We hypothesize that maternal caffeine ingestion has an adverse impact on screening for Gestational Diabetes Mellitus (GDM).

Ethics approval required

Old ethics approval format

Ethics approval(s)

Not provided at time of registration

Study design

Randomised controlled trial

Primary study design

Interventional

Study type(s)

Screening

Health condition(s) or problem(s) studied

Gestational Diabetes

Interventions

Effect of Caffeine versus placebo on 75 g oral glucose tolerance test results

Intervention Type

Drug

Phase

Not Specified

Drug/device/biological/vaccine name(s)

Caffeine

Primary outcome(s)

Maternal blood glucose

Key secondary outcome(s)

1. Maternal plasma insulin, C-peptide, catecholamines, methylxanthines, free fatty acids, glycerol, lactate, and electrolytes
2. Fetal heart rate baseline and accelerations

Completion date

30/12/2005

Eligibility**Key inclusion criteria**

1. Pre-pregnancy body mass index (BMI) less than 30 kg/m²
2. Non-smoking

3. No medications that could interfere with glucose uptake/metabolism (i.e. insulin, anti-hyperglycemics)
4. No known medical/obstetrical complications

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Sex

Female

Total final enrolment

27

Key exclusion criteria

As per inclusion criteria

Date of first enrolment

01/10/2005

Date of final enrolment

30/12/2005

Locations**Countries of recruitment**

Canada

Study participating centre

Department of Obstetrics & Gynecology

Kingston

Canada

K7L 2V7

Sponsor information**Organisation**

Canadian Foundation for Women's Health

ROR

https://ror.org/0278syk25

Funder(s)

Funder type

Charity

Funder Name

Canadian Foundation for Women's Health

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	results	01/04/2009	12/01/2021	Yes	No