

Aspirin in in vitro fertilisation (IVF)

Submission date 04/04/2006	Recruitment status No longer recruiting	☐ Prospectively registered
Registration date 04/04/2006	Overall study status Completed	☐ Protocol
Last Edited 26/08/2009	Condition category Urological and Genital Diseases	☐ Statistical analysis plan
		☒ Results
		☐ Individual participant data

Plain English summary of protocol

Not provided at time of registration

Contact information

Type(s)

Scientific

Contact name

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Additional identifiers

Protocol serial number

NTR610

Study information

Scientific Title

Added 26/08/09: Low dose aspirin in IVF. A prospective, randomised, double blind placebo controlled trial.

Study objectives

By its pharmacological action it is likely that aspirin improves ovarian perfusion, uterine perfusion and reduces endometrial restraint on the implanting embryo. Therefore the hypothesis of this study is that the use of low dose aspirin in IVF improves pregnancy rates.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Received from local medical ethics committee

Primary study design

Interventional

Study design

Prospective randomised double blind placebo controlled parallel group trial

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Subfertility

Interventions

Patients undergo regular IVF/ICSI treatment combined with low dose aspirin or placebo.

Intervention Type

Other

Phase

Not Specified

Primary outcome(s)

Ongoing pregnancy rate

Key secondary outcome(s)

1. Number of follicles
2. Number of oocytes retrieved

Completion date

01/08/2007

Eligibility**Key inclusion criteria**

1. Patients undergoing IVF or intracytoplasmic sperm injection (ICSI) treatment
2. Age <39 years
3. Cycle day 3 follicle stimulating hormone (FSH) <10 IU/l
4. No contra-indications against the use of low-dose aspirin

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Sex

Female

Key exclusion criteria

1. Systemic diseases
2. Hypertension
3. Previous allergic reaction to study medication
4. Previous ovarian hyperstimulation syndrome (OHSS)
5. Untreated endocrinopathies
6. Smoking >5 cigarettes/day
7. Body mass index (BMI) >28

Date of first enrolment

01/06/2002

Date of final enrolment

01/08/2007

Locations

Countries of recruitment

Netherlands

Study participating centre

VU University Medical Center

Amsterdam

Netherlands

1007 MB

Sponsor information

Organisation

VU University Medical Centre (VUMC) (Netherlands)

ROR

<https://ror.org/00q6h8f30>

Funder(s)

Funder type

Hospital/treatment centre

Funder Name

VU University Medical Centre (VUMC) (Netherlands) - Department of Obstetrics and Gynaecology, Division of Reproductive Medicine

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	01/09/2009		Yes	No