

# A prospective randomised study of the optimal time for the administration of human chorionic gonadotropin (HCG) in women undergoing IVF in a gonadotropin releasing hormone (GnRH) antagonist cycle

<b>Submission date</b> 12/09/2003	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered
<b>Registration date</b> 12/09/2003	<b>Overall study status</b> Completed	<input type="checkbox"/> Protocol
<b>Last Edited</b> 03/08/2012	<b>Condition category</b> Pregnancy and Childbirth	<input type="checkbox"/> Statistical analysis plan
		<input checked="" type="checkbox"/> Results
		<input type="checkbox"/> 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

EudraCT/CTIS number

**IRAS number**

**ClinicalTrials.gov number**

**Secondary identifying numbers**

N0436118096

## **Study information**

**Scientific Title**

### **Study objectives**

A prospective, randomised study on patients undergoing IVF or IVF/intracytoplasmic sperm injection (ICSI) receiving HCG injection in three different time scales (at the standard time, delay 24 or 48 h) when they are ready to be scheduled for the oocyte retrieval. HCG is employed to initiate maturation of oocytes and ovulation before the egg collection 36 h later. The main objective is to determine whether there is an optimal time to give HCG injection; and also to observe any differences in the number of eggs being collected, fertilisation rates, embryos quality and pregnancy rates among the three groups.

### **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

### **Secondary study design**

Randomised controlled trial

### **Study setting(s)**

Not specified

### **Study type(s)**

Not Specified

### **Participant information sheet**

### **Health condition(s) or problem(s) studied**

Pregnancy and Childbirth: In vitro fertilisation (IVF)

### **Interventions**

Laboratory study; Case-note review; Randomised controlled trial, Random allocation to receive HCG injection at:

1. Standard time delay
2. 24 h delay
3. 48 h delay

**Intervention Type**

Other

**Phase**

Not Specified

**Primary outcome measure**

The main objective is to determine whether there is an optimal time to give HCG injection, and also to observe any differences in the number of eggs being collected, fertilisation rates, embryos quality and pregnancy rates among the three groups.

**Secondary outcome measures**

Not provided at time of registration

**Overall study start date**

31/07/2002

**Completion date**

31/01/2004

## Eligibility

**Key inclusion criteria**

1. Patients undergoing their first or second cycle of IVF or IVF/intracytoplasmic sperm injection (ICSI).
2. Age of partner 19-36 years.
3. Body mass index 20-30 kg/m<sup>2</sup>.
4. Serum follicle-stimulating hormone (FSH) concentration in normal range.

**Participant type(s)**

Patient

**Age group**

Adult

**Sex**

Female

**Target number of participants**

Not provided at time of registration

**Key exclusion criteria**

Does not match inclusion criteria

**Date of first enrolment**

31/07/2002

**Date of final enrolment**

31/01/2004

## Locations

**Countries of recruitment**

England

United Kingdom

**Study participating centre**

**Obstetrics & Gynaecology**

Leeds

United Kingdom

LS1 3EX

## Sponsor information

**Organisation**

Department of Health (UK)

**Sponsor details**

Richmond House

79 Whitehall

London

United Kingdom

SW1A 2NL

**Sponsor type**

Government

**Website**

<http://www.doh.gov.uk>

## Funder(s)

**Funder type**

Hospital/treatment centre

**Funder Name**

Leeds Teaching Hospitals NHS Trust (UK)

# Results and Publications

Publication and dissemination plan  
Not provided at time of registration

Intention to publish date

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?
<a href="#">Results article</a>	results	01/09/2012		Yes	No