

# Acupuncture for treatment of knee osteoarthritis: immunological view

<b>Submission date</b> 09/03/2005	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered
		<input type="checkbox"/> Protocol
<b>Registration date</b> 07/11/2006	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
<b>Last Edited</b> 23/09/2021	<b>Condition category</b> Musculoskeletal Diseases	<input type="checkbox"/> Individual participant data
		<input type="checkbox"/> Record updated in last year

**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**  
21161

## Study information

**Scientific Title**

Acupuncture for treatment of knee osteoarthritis: immunological view

**Acronym**

APOA-Eg

**Study objectives**

Effect of acupuncture on markers of knee OsteoArthritis (OA) in Egyptians.

**Ethics approval required**

Old ethics approval format

**Ethics approval(s)**

Rheumatology and Physical Medicine Department, Faculty of medicine, Mansoura University (Egypt).

**Study design**

Randomised three armed prospective study

**Primary study design**

Interventional

**Secondary study design**

Randomised controlled trial

**Study setting(s)**

Not specified

**Study type(s)**

Treatment

**Participant information sheet****Health condition(s) or problem(s) studied**

Knee osteoarthritis (OA)

**Interventions**

Two groups receive verum (real) acupuncture either with manual manipulation, or with electro-acupuncture, and the third sham (control) acupuncture.

**Intervention Type**

Other

**Phase**

Not Specified

**Primary outcome measure**

Western Ontario and McMaster Universities Arthritis Index (WOMAC) scale

**Secondary outcome measures**

Immunological study for adhesion molecules such as intercellular adhesion molecule 1 (ICAM1) and cytokines such as interleukin-1beta (IL1B) and Tumor Necrosis Factor (TNF) alpha, before and after treatment.

**Overall study start date**

01/06/2005

**Completion date**

01/06/2007

## **Eligibility**

**Key inclusion criteria**

Patients are included if they:

1. Agreed to participate in the study by written, informed consent
2. Fulfilled the American College of Rheumatology criteria for knee OA

**Participant type(s)**

Patient

**Age group**

Not Specified

**Sex**

Not Specified

**Target number of participants**

300 patients with knee OA

**Key exclusion criteria**

1. Non-compliance
2. High serum uric acid

**Date of first enrolment**

01/06/2005

**Date of final enrolment**

01/06/2007

## **Locations**

**Countries of recruitment**

Egypt

**Study participating centre**

**Mansoura University Hospitals**  
Mansoura  
Egypt  
11135

## Sponsor information

### Organisation

Mansoura University Hospital (Egypt)

### Sponsor details

Elgomhoria Street  
Mansoura Faculty of Medicine  
Mansoura  
Egypt  
35516  
+20 502247055  
mua@mans.edu.eg

### Sponsor type

Hospital/treatment centre

### Website

<http://www.mans.eun.eg/english/>

### ROR

<https://ror.org/00c8rjz37>

## Funder(s)

### Funder type

Other

### Funder Name

Investigator funded trial - no external funding was gained for this trial.

## 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