

# Comparison of orthodontic and conventional wire IMF in the open and closed management of mandibular fractures: a two centre randomised trial

<b>Submission date</b> 29/09/2006	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered
<b>Registration date</b> 29/09/2006	<b>Overall study status</b> Completed	<input type="checkbox"/> Protocol
<b>Last Edited</b> 23/04/2015	<b>Condition category</b> Injury, Occupational Diseases, Poisoning	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
		<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

Dr Geraldine Brown

### Contact details

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## Additional identifiers

### Protocol serial number

N0080141034

## Study information

Scientific Title

Comparison of orthodontic and conventional wire IMF in the open and closed management of mandibular fractures: a two centre randomised trial

**Study objectives**

To compare orthodontic fixation treatment in jaw fractures.

**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)**

Treatment

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

Injury, Occupational Diseases, Poisoning: Mandibular fractures

**Interventions**

Patients randomised into 2 groups: open or closed management of fracture using two different type of fixings, patient satisfaction questionnaire/VAS pain scores.

**Intervention Type**

Procedure/Surgery

**Primary outcome(s)**

To evaluate the two forms of treatment for cost benefit to the NHS.

Outcome measures: theatre time, length of stay, amount of follow up, patient satisfaction and pain experienced.

**Key secondary outcome(s))**

Not provided at time of registration

**Completion date**

01/06/2006

**Eligibility****Key inclusion criteria**

150 patients 75 from this site. Included are all patients with a mandibular lower jaw fracture, over 16, no pre-existing dental disease, attending Whipps Cross NHS or Barts and the London NHS Trust.

**Participant type(s)**

Patient

**Healthy volunteers allowed**

No

**Age group**

Adult

**Sex**

All

**Key exclusion criteria**

Under 16, pre-existing dental disease, multiple facial fractures, upper jaw fractures, alveolar fractures.

**Date of first enrolment**

01/06/2004

**Date of final enrolment**

01/06/2006

## Locations

**Countries of recruitment**

United Kingdom

England

**Study participating centre**

SSR Orthodontics

London

United Kingdom

E11 1NR

## Sponsor information

**Organisation**

Record Provided by the NHSTCT Register - 2006 Update - Department of Health

## Funder(s)

**Funder type**

Government

**Funder Name**

Whipps Cross University Hospital NHS Trust (UK), NHS R&D Support Funding

**Results and Publications**

**Individual participant data (IPD) sharing plan**

**IPD sharing plan summary**

Not provided at time of registration