ISRCTN22866867 https://doi.org/10.1186/ISRCTN22866867

# The efficacy of acupuncture versus local anaesthetic injection in the treatment of myofascial pain in the jaw muscles.

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|---|---|---|
| **Submission date**<br>23/01/2004 | **Recruitment status**<br>No longer recruiting | [_] Prospectively registered<br>[_] Protocol<br>[_] Statistical analysis plan<br>[X] Results<br>[_] Individual participant data |
| **Registration date**<br>23/01/2004 | **Overall study status**<br>Completed | |
| **Last Edited**<br>03/12/2008 | **Condition category**<br>Oral Health | |

**Plain English summary of protocol**
Not provided at time of registration

## Contact information

**Type(s)**
Scientific

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## Additional identifiers

**Protocol serial number**
94099926 r280/05109

## Study information

**Scientific Title**

## Study objectives
Myofascial pain is a major cause of non-dental pain in the orofacial region. Pain and tenderness at trigger points and referral sites is often treated by acupuncture and local anaesthetic injection of active trigger points. However, the therapeutic effect of these treatments has been poorly quantified and the mechanism underlying the effect is unclear. In a randomised, double blind, controlled clinical trial, a pressure algometer will be used to measure pressure-pain thresholds in the masseter and temporalis muscles of 60 subjects with myofascial pain in the jaw muscles, before and after a series of acupuncture and local anaesthetic injection treatments. Subjects will also rate pain intensity and unpleasantness using visual analogue scales. This study is designed to demonstrate the therapeutic efficacy of acupuncture versus local anaesthetic injection in the treatment of myofascial pain in the orofascial region.

## Ethics approval required
Old ethics approval format

## Ethics approval(s)
Not provided at time of registration

## Primary study design
Interventional

## Study design
randomised double blind controlled clinical trial

## Study type(s)
Not Specified

## Health condition(s) or problem(s) studied
Oral health/stomatognathic diseases

## Interventions
1. Acupuncture
2. Local anaesthetic injection

## Intervention Type
Other

## Phase
Not Specified

## Primary outcome(s)
Not provided at time of registration

## Key secondary outcome(s)
Not provided at time of registration

## Completion date
31/12/1996

# Eligibility

**Key inclusion criteria**
Patients presenting with myofascial pain in the jaw muscles

**Participant type(s)**
Patient

**Healthy volunteers allowed**
No

**Age group**
Adult

**Sex**
Not Specified

**Key exclusion criteria**
Not provided at time of registration

**Date of first enrolment**
03/01/1995

**Date of final enrolment**
31/12/1996

# Locations

**Countries of recruitment**
United Kingdom

England

**Study participating centre**
**University of Newcastle**
Newcastle upon Tyne
United Kingdom
NE2 4BW

# Sponsor information

**Organisation**
NHS R&D Regional Programme Register - Department of Health (UK)

# Funder(s)

**Funder type**
Government

**Funder Name**
NHS Executive Northern and Yorkshire (UK)

# 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 | 01/09/1997 | | Yes | No |