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Does local immersion in Thermo-Neutral Bath influence surface ElectroMyoGraphy measurements? Results of an experimental trial

Submission date 09/02/2007	**Recruitment status** No longer recruiting	[_] Prospectively registered [_] Protocol
Registration date 13/04/2007	**Overall study status** Completed	[_] Statistical analysis plan [_] Results
Last Edited 08/08/2011	**Condition category** Other	[_] Individual participant data [_] Record updated in last year

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Secondary identifying numbers
20 February 2004

Study information

Scientific Title

Acronym
TNB-sEMG

Study objectives
Does thermo-neutral whole body immersion into water influence the measurement of surface Electromyography (EMG)?

Ethics approval required
Old ethics approval format

Ethics approval(s)
Ethics approval was not sought for this trial. All subjects were informed about the study and written consent forms were provided from each of them.

Study design
Experimental study on healthy individuals

Primary study design
Interventional

Secondary study design
Other

Study setting(s)
Other

Study type(s)
Diagnostic

Participant information sheet

Health condition(s) or problem(s) studied
Healthy individuals

Interventions
All participants received the same intervention. Each participant immersed his/her forearm in the thermo-neutral bath for one minute. In order to see the effect of the immersion on the participants, EMG measurements were made before and after the immersion process.

Intervention Type
Other

Phase
Not Specified

Primary outcome measure
To measure thermo-neutral whole body immersion effect on measurements of surface electromyography on healthy subjects.

Secondary outcome measures
Efficacy of thermo-neutral whole body immersion on measurements of surface electromyography on healthy subjects.

Overall study start date
14/04/2005

Completion date
25/05/2006

Eligibility

Key inclusion criteria
Healthy subjects over 18 years of age and who have given written informed consents.

Participant type(s)
Patient

Age group
Adult

Lower age limit
18 Years

Sex
Not Specified

Target number of participants
11 healthy subjects

Key exclusion criteria
1. Subjects with any neurosensorial and/or muscular disease
2. Subjects on sedative treatments and/or on any medications for any reasons

Date of first enrolment
14/04/2005

Date of final enrolment
25/05/2006

Locations

Countries of recruitment
Germany

Türkiye

Study participating centre
Haydarpasa Numune Hastanesi Fiziksel Týp ve Rehabilitasyon Klinigi
Istanbul
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Sponsor information

Organisation
Individual sponsor (Germany)

Sponsor details
c/o Dr Banu Kalpakcioglu
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Sponsor type
Other

Funder(s)

Funder type
Other

Funder Name
Investigator-funded 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