

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

Protocol serial number
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

Study type(s)

Diagnostic

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(s)

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

Key secondary outcome(s)

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

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

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 years

Sex

Not Specified

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

Türkiye

34668

Sponsor information

Organisation

Individual sponsor (Germany)

Funder(s)

Funder type

Other

Funder Name

Investigator-funded trial

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration