

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

<b>Submission date</b> 09/02/2007	<b>Recruitment status</b> No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
<b>Registration date</b> 13/04/2007	<b>Overall study status</b> Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
<b>Last Edited</b> 08/08/2011	<b>Condition category</b> Other	<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**  
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  
Türkiye  
34668

## 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