

Transfer of EMG gaming skills

No registrations found.

Ethical review	Not applicable
Status	Recruiting
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON23594

Source

Nationaal Trial Register

Brief title

Transfer of EMG gaming skills

Health condition

Electromyography, Gaming, Prosthesis

Sponsors and support

Primary sponsor: University of Groningen, University Medical Center Groningen (UMCG), NHL University of Applied Sciences

Source(s) of monetary or material Support: Northern Netherlands Provinces Alliance

Intervention

Outcome measures

Primary outcome

In-game performance:

Accuracy

EMG characteristics

EMG-game relation

Secondary outcome

Study description

Study objective

In learning to play a game using a EMG interface, similarity in gaming-goal leads to bigger transfer effects to another gaming-task than similarity in the musculature involved or similarity in EMG characteristics does.

Study design

Pre-posttest design. Measurements at day 1 and day 4.

Intervention

4 groups play several different games that are controlled using a EMG-interface.

Contacts

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Scientific

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Eligibility criteria

Inclusion criteria

Able-bodied participants, age 18-40.

Exclusion criteria

Left-handedness
(History of) disorders of the arm/upper body
Prior experience using a myoelectric prosthesis

Study design

Design

Study type:	Interventional
Intervention model:	Parallel
Allocation:	Randomized controlled trial
Masking:	Single blinded (masking used)
Control:	Active

Recruitment

NL	
Recruitment status:	Recruiting
Start date (anticipated):	09-03-2015
Enrollment:	60
Type:	Anticipated

Ethics review

Not applicable	
Application type:	Not applicable

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
NTR-new	NL4970
NTR-old	NTR5092
Other	: UMCG-BW-SPRINT-WP10-3-0315

Study results