

Clinical Trial Protocol

Iranian Registry of Clinical Trials

06 Aug 2026

Effectiveness of attention shaping training to reinforce of attention in drivers with accident who registered in traffic police of Qom city in 2010.

Protocol summary

Summary

(1) Objectives: This research was accomplished with the purpose of change cognitive ability function of attention via a program practice, and decided to emerge amount of effect an auditory & visual program practice to change of divided & selective attention and their reaction time. (2) Design: This is a semi experimental study with pre & post test and control group. (3) Setting and conduct: 64 drivers, with more than a car accident with the fault, randomly divided in two experimental and control groups. Than concentrated & diffused of their attention were tested with assistance of selective & divided attention and strop test. Members of experimental group participated in a program practice included enriching function of attention. One week after education, members of 2 groups tested again. As follow up after 2 weeks tests of attention and strop repeated again. (4) Participants including major eligibility criteria: Entry criteria: male gender: age between 20 to 60: on at least 2 years driving experience: History of more than one fault accident due to distraction or little attention. Exclusion criteria: More than one offense of dangerous driving (passing through red lights: speeding and illegal overtaking: spiral driving: Driving at the time of substance abuse) : opiate addiction: alcohol consumption: History of psychiatric illness and active treatment at the time of testing: any impairment of consciousness at the time of testing. (5) Intervention: Curriculum with the adoption of the program (useful field of view) provided by the secular & Ball (1988), which includes visual exercise program about processing speed, selective attention and distributed visual attention was done. Of course in this research, training and distribution of auditory selective attention was also added to the program. Education and training were conducted by computer and a series of prepared photographs and cards, in five 45-minute sessions over three weeks. (6) Main outcome measures variables: in this study, dependent variables included change in

speed processing, selective & divided attention that measured with selective & divided attention and strop tests.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201109251404N4**

Registration date: **2012-04-04, 1391/01/16**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2012-04-04, 1391/01/16

Registrant information

Name

Mohammadreza Mokhtaree

Name of organization / entity

Rafsanjan University of medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 39 1523 0080

Email address

a_golshiri@rums.ac.ir

Recruitment status

Recruitment complete

Funding source

Graduate center of Tehran Payame Noor University, Vice chancellor for research.

Expected recruitment start date

2010-09-23, 1389/07/01

Expected recruitment end date

2011-01-21, 1389/11/01

Actual recruitment start date

empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
Effectiveness of attention shaping training to reinforce of attention in drivers with accident who registered in traffic police of Qom city in 2010.

Public title
Effectiveness of Attention shaping Training to reinforce of attention in drivers with accident.

Purpose
Supportive

Inclusion/Exclusion criteria
Entry criteria: male gender; age between 20 to 60; on at least 2 years driving experience; History of more than one fault accident due to distraction or little attention. Exclusion criteria: More than one offense of dangerous driving (passing through red lights; speeding and illegal overtaking; spiral driving; Driving at the time of substance abuse) ; opiate addiction; alcohol consumption; History of psychiatric illness and active treatment at the time of testing; any impairment of consciousness at the time of testing.

Age
From **20 years** old to **60 years** old

Gender
Male

Phase
2

Groups that have been masked
No information

Sample size
Target sample size: **64**

Randomization (investigator's opinion)
Randomized

Randomization description

Blinding (investigator's opinion)
Single blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics committee of the graduate center, Tehran
Payame Noor university.

Street address

Tehran

City
Tehran

Postal code

Approval date
2010-09-23, 1389/07/01

Ethics committee reference number
1088/32/ص

Health conditions studied

1

Description of health condition studied

Traffic Accident

ICD-10 code

ICD-10 code description

Primary outcomes

1

Description

Attention Shaping Training with method of useful field of view.

Timepoint

Before training, One week and three weeks after training.

Method of measurement

Concentration & diffuse attention test and stop test.

Secondary outcomes

empty

Intervention groups

1

Description

The traditional UFOV (Useful field of view) assessment is a computer based visual test containing three subtests. 1. Processing speed: determines a person's threshold for discriminating stimuli presented in central vision. 2. Divided attention: same as subtest 1 but with the addition of a concurrent peripheral target location task. 3. Selective attention: same as subtest 2 but with the addition of distracters. The threshold scores are combined to produce an overall performance score.

Category

Behavior

2

Description

In the control group, were not considered in the attention training program.

Category

Behavior

Recruitment centers

1

Recruitment center

Name of recruitment center

Rahgosha number car switching center of Qom

Full name of responsible person

Mohammad Nazer

Street address

Zamanzadeh garden, Beginning Road of Haji Abad,
Mahallati square, Qom.

City

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Graduate center of Tehran Payame Noor University,
Vice chancellor for research.

Full name of responsible person

Hossein Zare, PhD

Street address

Safa Alley, Shahnaz Alley, Shahid Haj Mahmood
Norian Street, North Dibaj, Farmanie Boulevard

City

Tehran

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Graduate center of Tehran Payame Noor University, Vice
chancellor for research.

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Name of organization / entity

Rafsanjan University of Medical Sciences.

Full name of responsible person

Mohammad Nazer

Position

PHd student, Academic member

Other areas of specialty/work

Person responsible for scientific inquiries

Contact

Name of organization / entity

Rafsanjan University of Medical Sciences

Full name of responsible person

Mohammad Nazer

Position

PhD student of General Psychology

Other areas of specialty/work

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Person responsible for updating data

Contact

Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty