

Clinical Trial Protocol

Iranian Registry of Clinical Trials

18 Sep 2026

Effect of educational video games on self efficacy among 8-12 year old hemophilia children

Protocol summary

Summary

The purpose of this study was to investigate the effects of computer games on children's self-efficacy in hemophilia. Children 8-12 years old who have a record of Hemophilia in Shiraz Shahid Dastgheib hospital participate in this study . The study involved 40 children with hemophilia and the sample was taken. Selected children according to inclusion criteria divided into 2 case and control group by randomizing blocking approach . Controls just review what they had learned about self efficacy steps and cases learned self efficacy steps in 2 sessions of playing Hemoaction game which is in World Federation of Hemophilia . Self Efficacy Rate was scaled by Sherer Questionnaire previously , exactly after and a month later of an intervention was done . Time of this study was from 22nd of June till 23rd of July in 2014 . The first output was that self efficacy rate of cases increased exactly after intervention . People under study and Statistic Counselor were blinded in this study .

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2014101418833N1**
Registration date: **2014-10-27, 1393/08/05**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2014-10-27, 1393/08/05

Registrant information

Name

Shirin Ghanavati

Name of organization / entity

Shiraz University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 718214744

Email address

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Recruitment status

Recruitment complete

Funding source

Shiraz University of Medical Sciences

Expected recruitment start date

2014-06-22, 1393/04/01

Expected recruitment end date

2014-07-23, 1393/05/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of educational video games on self efficacy among 8-12 year old hemophilia children

Public title

Effect of educational video games on self efficacy children

Purpose

Health service research

Inclusion/Exclusion criteria

Inclusion Criteria : (Children of 8-12 years old ; who can write and read ; Have no other disorders except Hemophilia ; Resident of Shiraz) Exclusion Criteria : (Doesn't participate in more than 20% of sessions ; Doesn't Want to cooperate more)

Age

From **8 years** old to **12 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: 40

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Shiraz University of Medical Sciences

Street address

Zand Blvd , Central Organization of Shiraz University of Medical Sciences , Shiraz , Iran .

City

Shiraz

Postal code

Approval date

2013-09-23, 1392/07/01

Ethics committee reference number

93-7111

Health conditions studied

1

Description of health condition studied

Hemophilia

ICD-10 code

D68.0

ICD-10 code description

Factor VIII deficiency with vascular defect Vascular haemophilia

Primary outcomes

1

Description

Self efficacy

Timepoint

Before , after and a month later

Method of measurement

Questionnaire

Secondary outcomes

empty

Intervention groups

1

Description

Interventions of Case Group : After dividing children into this group , their basic knowledge was scaled by a questionnaire . Then during 2 sessions instruction of online Hemoaction in the steps of what hemophilia is , how to protect from bleeding , self care approaches such as Factor Injection was done . After verbal explanations about the mentioned game and finishing the steps , cases played it on their own . Immediately after intervention self efficacy rate was scaled by a questionnaire . In order to check the stability rate of what was learnt by cases , again self efficacy rate was scaled a month later . Results: Based on the findings of this study, the mean self-efficacy scores of the samples before, after and one month after intervention were 53/25, 60/95, 60/90 in the test group, respectively and in the control group before and one month after the intervention were 50/45 and 55/2 respectively. The findings revealed that self-efficacy scores after and before the intervention had significant difference. Conclusions: Results showed that the effect of educational hemo-action games increased self-efficacy in the 12-8year's old children with hemophilia

Category

Lifestyle

2

Description

Control Group Intervention : Before starting intervention , self efficacy rate of children was scaled by a questionnaire . Controls only reviewed previous taught . At the end of interventions and a month later self efficacy rate was again scaled . Lastly all the stuff taught to cases were given to controls in the shape of a booklet .

Category

Lifestyle

Recruitment centers

1

Recruitment center

Name of recruitment center

Dastgheib Hospital of Shiraz

Full name of responsible person

Shirin Ghanavati

Street address

City

Shiraz

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Vice-chancellor for research -Shiraz University of Medical Science

Full name of responsible person

Vice-chancellor for research

Street address

Namazi Square , Shiraz , Iran

City

Shiraz

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Vice-chancellor for research -Shiraz University of Medical Science

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**

Nursing and Midwifery College

Full name of responsible person

Shirin Ghanavati

Position

Master Degree

Other areas of specialty/work**Street address**

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Person responsible for scientific inquiries

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Full name of responsible person

Nooshin Beheshtipoor

Position

Faculty member

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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