The effect of oral health education through role playing on observing health behaviors of educable mentally disabled boy students in high school in Hamadan

Protocol summary

Summary
Objective: Investigating the effect of oral health education through role playing on observing health behaviors of educable mentally disabled boy students in high school. Design: Semi-experimental study in a form of pre and post study. Sample size: 42 students through census sampling. Methods: Educable mentally disabled boy students who are studying in special-aided high school 1 in Hamadan in the school year of 2013-2014. Inclusion criteria: (a) Educable mentally disabled boy students educating in special-aided high school 1; (b) Students without obvious neurological and psychological problems; (c) Ages between 12 to 19 years. Exclusion criteria: (a) Non-cooperative student; (b) Absence more than one session during the course. Interventions: Data collection through checklist and OHI-s measurement before and after the intervention. Scenarios will be performed in 4, 20 minutes sessions that will be held for 1 month. One person as a dentist and three persons as patients will be chosen to play roles and each person will describe a group of problems. The students performance will be measured again by means of checklist and OHI-s measurement, 15 days after the end of intervention. Primary outcome: Students observation of health behaviors that will be evaluated by checklist. Secondary outcome: OHI-s index measurement that consists of two parts of the Accumulated Debris Index and Calculus index that each one is scored from 0 to 3.

General information

<table>
<thead>
<tr>
<th>Name</th>
<th>Fatemeh Pakrad</th>
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</thead>
<tbody>
<tr>
<td>Name of organization / entity</td>
<td>Hamadan University of Medical Sciences</td>
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<td>Country</td>
<td>Iran (Islamic Republic of)</td>
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<td><a href="mailto:f.ashtarani@umsha.ac.ir">f.ashtarani@umsha.ac.ir</a></td>
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<td>Recruitment status</td>
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<tr>
<td>Funding source</td>
<td>Vice chancellor of Research and Technology, Hamadan University of Medical Sciences</td>
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Expected recruitment start date
2013-09-23, 1392/07/01

Expected recruitment end date
2013-11-22, 1392/09/01

Actual recruitment start date
empty

Actual recruitment end date
empty

Trial completion date
empty

Scientific title
The effect of oral health education through role playing on observing health behaviors of educable mentally disabled boy students in high school in Hamadan

Public title
Effects of oral health education on observing health behaviors of mentally disabled boy students

Purpose
Supportive

Inclusion/Exclusion criteria
Inclusion criteria: (a) Educable mentally disabled boy students educating in special-aided guidance school; (b) Students without obvious neurological and psychological problems; (c) Ages between 12 to 19 years. Exclusion criteria: (a) Non-cooperative student; (b) Absence more than one session during the course.
Age
From **12 years** old to **19 years** old

Gender
Male

Phase
N/A

Groups that have been masked
*No information*

Sample size
Target sample size: 42

Randomization (investigator's opinion)
N/A

Randomization description

Blinding (investigator's opinion)
Not blinded

Blinding description

Placebo
Not used

Assignment
Parallel

Other design features

Secondary Ids
empty

Ethics committees

1

Ethics committee
Name of ethics committee
Ethical Human Subject Review Board of Hamadan University of Medical Sciences

Street address
Hamadan, Hamadan University of Medical Sciences

City
Hamadan

Postal code

Approval date
2013-06-12, 1392/03/22

Ethics committee reference number
16/35/9/753/

Health conditions studied

1

Description of health condition studied
Mental Retardation

ICD-10 code
F70

ICD-10 code description
Approximate IQ range of 50 to 69 (in adults, mental age from 9 to 12 years). Likely to result in some learning difficulties in school. Many adults will be able to work and maintain good social relationships and contribute to society

Primary outcomes

1

Description
Observe health behavior of students

Timepoint
Before and 15 days after the end of intervention

Method of measurement
checklist

Secondary outcomes

1

Description
Oral Hygiene Index-Simplified

Timepoint
Before and 15 days after the end of intervention

Method of measurement
Using explorer and measuring the debris and calculus on the specific teeth

Intervention groups

1

Description
Intervention group: scenarios will be performed in 4, 20 minutes sessions that will be held for 1 month. One person as a dentist and three persons as patients will be chosen to play roles and each person will describe a group of problems. The students performance will be measured again by means of checklist and OHI-s measurement, 15 days after the end of intervention.

Category
Treatment - Other

Recruitment centers

1

Recruitment center
Name of recruitment center
Pooyandegan special-aided high school

Full name of responsible person

Street address
City
Hamadan

Sponsors / Funding sources

1

Sponsor
Name of organization / entity
Vice-chancellor of Research and Technology, Hamadan University of Medical Sciences

Full name of responsible person
Dr. Heidar Tavilani

Street address
<table>
<thead>
<tr>
<th><strong>Grant name</strong></th>
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### Person responsible for general inquiries

<table>
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<tr>
<th><strong>Contact</strong></th>
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<tbody>
<tr>
<td><strong>Name of organization / entity</strong></td>
<td>Hamadan University of Medical Sciences</td>
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<tr>
<td><strong>Full name of responsible person</strong></td>
<td>Fatemeh Ashtarani</td>
</tr>
<tr>
<td><strong>Position</strong></td>
<td>Postgraduate nursing student</td>
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<tr>
<td><strong>Other areas of specialty/work</strong></td>
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<td><strong>Street address</strong></td>
<td>Shahed Fahmideh Ave, Hamadan University of Medical Sciences, School of Nursing and Midwifery</td>
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<td>Hamadan University of Medical Sciences, Nursing and Midwifery School</td>
</tr>
<tr>
<td><strong>Full name of responsible person</strong></td>
<td>Dr. Farshid Shamsaei</td>
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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 |