

An interventional study investigating the effect of video feedback by the Mini-Clinical Evaluation Exercise (Mini-CEX) method compared to conventional directly observed feedback method by Mini-Clinical Evaluation Exercise (Mini-CEX) on final year medical (Internship Year) students' clinical competence at Shiraz University of Medical Sciences, Iran

Submission date 16/02/2022	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
Registration date 16/02/2022	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
Last Edited 17/02/2022	Condition category Other	<input type="checkbox"/> Individual participant data <input type="checkbox"/> Record updated in last year

Plain English summary of protocol

Background and study aims

Video feedback (VF) patient encounter is a new approach that has been developed that involves videotaping doctor-patient consultations and an assessor watching the consultation and providing feedback. The aim of this study is to evaluate the effect of the Mini-Clinical Evaluation Exercise (Mini-CEX) by video feedback method on the clinical competency of final year medical (internship year) students at the Shiraz University of Medical Sciences, Iran.

Who can participate?

Medical internship year students at the Shiraz University of Medical Sciences

What does the study involve?

The participants are assessed using a checklist in order to measure their clinical competency. They are randomly allocated to two groups, a control group who undergo traditional directly observed Mini-CEX feedback and an intervention group who undergo video Mini-CEX feedback. Following the participation of interns in the feedback workshops, their clinical competency is assessed again.

What are the possible benefits and risks of participating?

Participating students will have an opportunity to improve their clinical and communications skills. Possible risks to participants are minimal. Participants may feel anxiety and stress during

the assessment process. This is minimized by explaining that these assessments are for research purposes only and that assessment scores and identifying information will be kept confidential.

Where is the study run from?

Shiraz University of Medical Sciences (Iran)

When is the study starting and how long is it expected to run for?

October 2020 to January 2022

Who is funding the study?

Shiraz University of Medical Sciences (Iran)

Who is the main contact?

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2. Dr Seyyed-Esmaeil Managheb, managheba@sums.ac.ir

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Additional identifiers**Clinical Trials Information System (CTIS)**

Nil known

ClinicalTrials.gov (NCT)

Nil known

Protocol serial number

1234

Study information**Scientific Title**

The effect of video feedback by the mini-clinical evaluation exercise (Mini-CEX) method compared to conventional methods by mini-clinical evaluation exercise (Mini-CEX) on medical interns' clinical competence at Shiraz University of Medical Sciences, Iran

Study objectives

1. There is no statistically significant difference between the OSLER 1 results of interns who have undergone video feedback compared to traditional feedback.
2. There is a statistically significant difference between the OSLER 2 results of the video feedback group compared to the traditional feedback group.
3. There is a statistically significant difference between the OSLER 1 and OSLER 2 results of both the video feedback group and traditional feedback group.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Approved 23/02/2021, Ethics Committee in Research Shiraz University of Medical Sciences (Zand Avenue, Shiraz, 12365, Iran; +98 (0)7132305410; info@sums.ac.ir), ref: IR.SUMS.REC.1399.619

Study design

Double-blind randomized controlled interventional trial

Primary study design

Interventional

Study type(s)

Other

Health condition(s) or problem(s) studied

Medical education - clinical skills and communication skills clinical competency

Interventions

Our study is a prospective randomized, controlled double-blinded interventional study that involves a total of 40 interns of Shiraz University of Medical Sciences. The 40 participants were randomly allocated to two equal groups of 20 students each, a control group who underwent traditional feedback and an intervention group who underwent video feedback. Random allocation was ensured by writing each participant's name in a sealed envelope and then randomly assigning participants to each of the study groups. The 40 participants were then assessed using an objective structured long examination record (OSLER) checklist in order to ascertain baseline clinical competency (OSLER1). Subsequently, following the participation of interns in the feedback workshops, a post-intervention assessment of clinical competency was undertaken (OSLER 2). The results prior to feedback (OSLER1) were compared to the OSLER checklist scores following feedback (OSLER 2). The OSLER checklist based on a questionnaire of 10 faculty members of the Shiraz University of Medical Sciences (clinical faculty members) and staff in the Educational Development Center of Shiraz University of Medical Sciences has been determined to have a content validity index (CVI) of 100% and a CVR of 93%.

Intervention Type

Behavioural

Primary outcome(s)

Clinical competency measured using the objective structured long examination record (OSLER) checklist score at baseline and 4 weeks

Key secondary outcome(s)

There are no secondary outcome measures

Completion date

18/01/2022

Eligibility**Key inclusion criteria**

Medical internship students' currently undergoing a 1-month rotation/attachment to the Family Medicine Department of Shiraz University of Medical Sciences

Participant type(s)

Other

Healthy volunteers allowed

No

Age group

Adult

Sex

All

Total final enrolment

40

Key exclusion criteria

Medical internship students who have previously undergone any previous 1-month rotation /attachment to the Family Medicine Department of Shiraz University of Medical Sciences

Date of first enrolment

21/04/2021

Date of final enrolment

22/05/2021

Locations**Countries of recruitment**

Iran

Study participating centre

Family Medicine Clinic, Rasool Azam Clinic

Rasool Azam Boulevard

Shiraz

Iran

12334

Sponsor information**Organisation**

Shiraz University of Medical Sciences

ROR

<https://ror.org/01n3s4692>

Funder(s)**Funder type**

University/education

Funder Name

Shiraz University of Medical Sciences

Alternative Name(s)

SUMS

Funding Body Type

Government organisation

Funding Body Subtype

Local government

Location

Iran

Results and Publications

Individual participant data (IPD) sharing plan

The datasets used and/or analysed during the current study are not publicly available due to restrictions, but are available from Dr Kaveh Taghipour (kaveh109@hotmail.com) on reasonable request and with the permission of Shiraz University of Medical Sciences

IPD sharing plan summary

Not expected to be made available

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Participant information sheet	Participant information sheet	11/11/2025	11/11/2025	No	Yes