

Clinical Trial Protocol

Iranian Registry of Clinical Trials

10 Jun 2026

Effect of lubricant gel on the satisfactory results of liquid-based Pap smear

Protocol summary

Study aim

Does the usage of lubricant gel change the result of satisfactory in liquid-based Pap Smear?

Design

Randomize clinical trial with a parallel control group,one blinded,on 253 patient in each group that randomize with random number table.

Settings and conduct

In this study patients who come to Shariati hospital,gynecologic office is checked for indication of cervical cancer screening and pap smear,if it's positive after their informed consent they will be in intervention group or control with online randomize number table. Liquid-based pap smear will done for them by use of lubricant gel or water,then the specimen will study with pathologist.Patients and pathologist won't know whether the lubricant is used or not.

Participants/Inclusion and exclusion criteria

They are women more than 21 year old who candidate for cervical cancer screening;and if they don't accept to be in the study or if they have congenital uterine,cervical,vaginal anomaly or cervical cancer exclude from the study

Intervention groups

In intervention group after speculum lubricate with lubricant gel pap smear is done ,but in control group only water is used for this pupose.

Main outcome variables

satisfactory of sample

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20160615028486N2**

Registration date: **2022-03-02, 1400/12/11**

Registration timing: **registered_while_recruiting**

Last update: **2022-03-02, 1400/12/11**

Update count: **0**

Registration date

2022-03-02, 1400/12/11

Registrant information

Name

Mansooreh Yaraghi

Name of organization / entity

Tehran University Of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 21 8828 0618

Email address

dr_m_yaraghi@yahoo.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2022-02-01, 1400/11/12

Expected recruitment end date

2022-05-01, 1401/02/11

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of lubricant gel on the satisfactory results of liquid-based Pap smear

Public title

Effect of lubricant gel on the satisfactory results of liquid-based Pap smear

Purpose

Diagnostic

Inclusion/Exclusion criteria

Inclusion criteria:

Screening for cervical cancer

Exclusion criteria:

History of cervical cancer History of uterine,cervical,vaginal congenital anomaly Patient disagreement

Age

From **21 years** old

Gender

Female

Phase

N/A

Groups that have been masked

- Outcome assessor

Sample size

Target sample size: **506**

Randomization (investigator's opinion)

Randomized

Randomization description

we search online randomize number in googl.com ,then we choose 253 number from 506 in kitset.ir/numbers/random .

Blinding (investigator's opinion)

Single blinded

Blinding description

Pap smear test is performed during gynecologic exam.The person who does it based on patient's number uses lubricant gel or not.The samples are sent to pathological laboratory and with other samples which aren't in the study and/or from other centers will be assessed by pathologists.They don't know if lubricant gel is used or not.

Placebo

Not used

Assignment

Parallel

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee of Tehran University of Medical Sciences

Street address

506,6th floor,Centar building of Tehran University of Medical ScienceUniversity,Ghods Street,Keshavarz Street

City

Tehran

Province

Tehran

Postal code

1417653761

Approval date

2021-03-16, 1399/12/26

Ethics committee reference number

IR.TUMS.MEDICINE.REC.1399.1308

Health conditions studied**1****Description of health condition studied**

screening for malignant neoplasm of cervix

ICD-10 code

Z12.4

ICD-10 code description

Encounter for screening for malignant neoplasm of cervix

Primary outcomes**1****Description**

Satisfactory result of Pap Smear in both group

Timepoint

When Pap Smear result is ready

Method of measurement

Pathologist reports for at least 5000 squamous cell in bottle

Secondary outcomes

empty

Intervention groups**1****Description**

Intervention group: usage of lubricant gel ,Palizteb factory,water soluble ,with Carbomers ,on speculum during pap smear test.

Category

Diagnosis

2**Description**

Control group:use of water on speculum during pap smear test.

Category

Diagnosis

Recruitment centers**1****Recruitment center****Name of recruitment center**

Shariati Hospital Gynecology Clinic

Full name of responsible person

Mansooreh Yaraghi

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Jalal Al-Ahmad,North Kargar

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity
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Grant name
Grant code / Reference number
Is the source of funding the same sponsor organization/entity?
Yes
Title of funding source
Tehran University of Medical Sciences
Proportion provided by this source
100
Public or private sector
Public
Domestic or foreign origin
Domestic
Category of foreign source of funding
empty
Country of origin
Type of organization providing the funding
Academic

Person responsible for general inquiries

Contact

Name of organization / entity
Tehran University of Medical Sciences
Full name of responsible person
Mansooreh Yaraghi

Position
Assistant professor
Latest degree
Subspecialist
Other areas of specialty/work
Gynecology and Obstetrics
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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Yes - There is a plan to make this available

Study Protocol

Yes - There is a plan to make this available

Statistical Analysis Plan

Not applicable

Informed Consent Form

Yes - There is a plan to make this available

Clinical Study Report

Not applicable

Analytic Code

Not applicable

Data Dictionary

Not applicable

Title and more details about the data/document

Demographic characteristic of patient, last coitus, last menstrual period, study result

When the data will become available and for how long

Three months after publication of result

To whom data/document is available

All people who work in this field

Under which criteria data/document could be used

every time

From where data/document is obtainable

Mansooreh Yaraghi dr_m_yaraghi@yahoo.com

What processes are involved for a request to access data/document

Send an e-mail to Mansooreh Yaraghi

Comments