

Virtual Reality Educational Tool Clinical Lab

Informed Consent for Medical Health VR Simulation

Research Title: Integration of a metaverse platform to enhance medical clinical skills delivery in the Tunisian Universities

Principal Investigator: Dr. Sana Ben Hammouda

Introduction:

You are invited to participate in a virtual reality (VR) simulation aimed at enhancing medical health education and training. This consent form outlines the purpose of the study, what your participation will involve, the potential risks and benefits, and your rights as a participant.

Purpose:

The purpose of this VR simulation is to provide a realistic and immersive training experience in medical health scenarios. By participating, you will contribute to the evaluation and development of VR technologies for medical education.

Procedures:

- You will wear a VR headset and engage in simulated medical scenarios.
- You may be asked to perform certain tasks or respond to specific situations within the VR environment.
- Your actions and responses will be recorded for research and evaluation purposes.

Risks and Benefits:

- **Risks:** Potential risks include mild discomfort or dizziness from the VR experience. If you experience any discomfort, you can immediately stop the session.
- **Benefits:** Benefits include gaining hands-on experience in medical scenarios in a safe and controlled environment, contributing to research in medical education, and potentially improving future medical training programs.

Confidentiality:

- Your participation and any personal data collected will be kept strictly confidential. Data will be anonymized and used for research purposes only.

Voluntary Participation:

- Participation in this study is voluntary. You may withdraw at any time without penalty or loss of benefits to which you are otherwise entitled.

Contact Information:

- If you have any questions or concerns about the study, you may contact [Dr Ben Hammouda Sana] at [dr.sanabh@gmail.com].

Consent:

- By signing this form, you indicate that you have read and understood the information provided, that any questions you have about the study have been answered to your satisfaction, and that you voluntarily agree to participate in this VR simulation.

** Indicates required question*

1. Email *

2. Accept to participate by checking the following checkbox. *

Check all that apply.

☐ Accept

3. Enter your participant number *

4. On a scale from 1-5, how clinically accurate was the different scenarios? *

Mark only one oval.

☐ 1 (not very accurate)

☐ 2

☐ 3

☐ 4

☐ 5 (very accurate)

5. On a scale of 1 to 5, how realistic did the scenario feel to you? *

Mark only one oval.

- ☐ 1 (Didn't feel very realistic)
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5 (Felt very realistic)

6. On a scale of 1-5, how easy was it for you to navigate through this virtual reality scenario? *

Mark only one oval.

- ☐ 1 (not easy to navigate)
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5 (very easy to navigate)

7. On a scale of 1 to 5, how engaged were you within the virtual reality scenario? *

Mark only one oval.

- ☐ 1 not engaged
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5 very engaged

8. Do you think that virtual training could alleviate your apprehension and memorization towards human anatomy ? *

Mark only one oval.

- ☐ 1 not helpfull
☐ 2
☐ 3
☐ 4
☐ 5 helpfull

9. On a scale from 1 to 5, where 1 represents 'not effective at all' and 5 represents 'extremely effective', how beneficial do you believe practicing the VR emergency scenarios is in preparing you to treat emergency cases in real life? *

Mark only one oval.

- ☐ 1 not effective
☐ 2
☐ 3
☐ 4
☐ 5 extremely effective

10. On a scale of 1 to 5, where 1 indicates 'not helpful at all' and 5 indicates 'extremely helpful', how much do you believe VR scenarios can reduce your anxiety before an oral exam in human anatomy or a clinical lab? *

Mark only one oval.

1	2	3	4	5
☐	☐	☐	☐	☐

11. On a scale of 1 to 5, where 1 indicates 'not helpful at all' and 5 indicates 'extremely helpful', how beneficial do you believe the integration of VR scenarios would be as a learning tool? *

Mark only one oval.

1	2	3	4	5
☐	☐	☐	☐	☐

12. On a scale of 1 to 5, where 1 indicates 'not helpful at all' and 5 indicates 'extremely helpful', how beneficial do you believe the integration of VR scenarios would be as a replacement for physical labs? *

Mark only one oval.

1	2	3	4	5
☐	☐	☐	☐	☐

13. Do you have any suggestions for other topics for virtual reality scenarios that you would like to see created? If so, please describe below. *

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