

INFORMED CONSENT FORM

Study Title:

Assessing Knowledge, Attitudes, Trust, Perceived Usefulness, Risk Perception, and Willingness to Use Artificial Intelligence (AI) in Gastroenterology Among Clinicians and Patients

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Sponsor/Institution: Faculty of Medicine, Sohag University

Introduction

You are invited to participate in a research study conducted at Sohag University. Please take sufficient time to read the following information carefully. Feel free to ask any questions regarding the study before deciding whether to participate. You may keep a copy of this document for your records.

Participation in this study is entirely voluntary. You have the right to refuse participation or to withdraw from the study at any time without providing a reason. Your decision will not affect your medical care, treatment, or relationship with the healthcare providers. There will be no additional costs to you as a result of participation, and your privacy and confidentiality will be protected.

Purpose of the Study

Research on the acceptance and trust of artificial intelligence (AI) among healthcare professionals is becoming increasingly important as the integration of AI into healthcare workflows depends largely on users' trust and acceptance of the technology. Previous studies have shown that trust is a key factor influencing AI adoption in healthcare. Although clinical evidence supporting the accuracy of AI in diagnosis and prediction continues to grow, understanding clinicians' acceptance and trust remains essential.

Patients are also becoming increasingly involved in their healthcare decisions and are using digital health tools more frequently. However, it remains unclear how patients perceive AI-assisted healthcare and whether they are willing to use such technologies.

The primary objective of this study is to assess knowledge, attitudes, trust, perceived usefulness, risk perception, and willingness to use AI in gastroenterology among:

- Gastroenterology clinicians.
- Gastrointestinal (GI) patients.

Secondary objectives include:

- Comparing perspectives between clinicians and patients.

- Identifying factors associated with greater acceptance and trust in AI, such as age, prior exposure to AI, and years of professional experience.

Study Procedures

This study is a cross-sectional survey.

Participants will be asked to complete a structured questionnaire. The questionnaire has been developed by a multidisciplinary team with expertise in patient experience, cognitive psychology, psychometrics, internal medicine, and diagnostic errors.

The questionnaire includes questions regarding:

- Demographic characteristics.
- Knowledge of AI.
- Attitudes toward AI in gastroenterology.
- Trust in AI and perception of risks.
- Perceived usefulness of AI.
- Willingness to use AI.
- Potential barriers and facilitators to AI adoption.

Participation will require approximately 10–15 minutes to complete the questionnaire.

Eligibility

Clinicians:

- Practicing gastroenterologists.
- Able and willing to provide informed consent.

Patients:

- Adults aged 18 years or older attending gastroenterology clinics or units.
- Cognitively able to complete the questionnaire.
- Able and willing to provide informed consent.

Potential Risks and Discomforts

No significant risks are anticipated from participation in this study. Some participants may feel uncomfortable answering certain questions; however, they may skip any question they do not wish to answer.

Potential Benefits

There may be no direct benefit to you from participating in this study. However, the information obtained may contribute to improving understanding of how clinicians and patients perceive AI in gastroenterology and may help guide future implementation of AI technologies in healthcare.

Confidentiality

All information collected during this study will be kept strictly confidential. No personally identifiable information will be included in any reports, presentations, or publications resulting from this research. Data will be stored securely and accessed only by authorized members of the research team.

Voluntary Participation and Right to Withdraw

Your participation is voluntary. You may refuse to participate or withdraw from the study at any time without penalty or loss of benefits to which you are otherwise entitled. Your decision will not affect your medical care in any way.

Contact Information

If you have any questions regarding this study, please contact:

Dr. Amr Ahmed Hamed

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Statement of Consent

I have read and understood the information provided above. I have had the opportunity to ask questions and have received satisfactory answers. I voluntarily agree to participate in this research study.

Participant Name: _____

Participant Signature: _____

Date: _____

Witness Name (if applicable): _____

Witness Signature:

_____ Date:

Principal Investigator Signature: _____

Date: _____