THE UNIVERSITY OF QUEENSLAND
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Participant Information Sheet

Research Title: Clinician Preferences for IVF Data Visualisation, Analysis and Decision-Making: A Mixed Methods Approach

Lay title: The CRYSTAL Study (Clinician Review of Yield-focused Scan Templates incorporating AI Logic)

Researchers:

- A/Professor Anusch Yazdani (Principal Investigator): UQ, CHARLI Health
- Sam Costa (Co-Investigator, Nursing and Nurse Practitioner Representative, Research Assistant): CHARLI Health
- Dr Claudia Duke (Co-Investigator, General Practice Representative): UQ, CHARLI Health
- Dr Tal Jacobson (Co-Investigator, Senior Fertility Specialist): UQ, CHARLI Health
- Dr Tamara Hunter (Co-Investigator, CREI): CHARLI Health
- Lindsay Hutchinson (Co-Investigator, Consumer Representative): CHARLI Health
- Dr Ben Kroon (Co-Investigator, CREI): UQ, CHARLI Health
- Dr Matt Smith (Co-Investigator, Fertility Specialist): UQ, CHARLI Health
- Gareth Saunders (Co-Investigator, Information Technology and Data Visualisation): CHARLI Health

Thank you for your interest in participating in this research project. Please read the following information about the project so that you can decide whether you would like to take part in this research. Please feel free to ask any questions you might have about your involvement in the project. If you decide to participate in this research, please keep in mind that your **participation is voluntary**. If you do not wish to take part, you do not have to. If you decide to take part and later change your mind, you are **free to stop at any time, and you would not need to give any explanation** for your decision to stop participating. If you choose to stop participating, your data will be destroyed and will not be used in the research.
You will be given the Participant Information and Consent Form to sign and you will be given a copy to keep. Your decision whether you take part, or not to take part, or to take part and then withdraw, will not affect your relationship with the University of Queensland.

What is this research about?
This research project, known as the CRYSTAL Study, aims to **investigate clinician preferences for how data from IVF monitoring (like ultrasound and hormone levels) is presented and analysed**. The purpose is to identify the most effective ways to visualise this data with the goal of potentially improving decision-making and clinical outcomes in IVF treatments. The study also seeks to understand current practices, identify preferences for key variables and formats, develop visualisation prototypes, and assess their impact on decision-making. This research is being organised by the University of Queensland and CHARLI Health and is funded by CHARLI Health.

What will I need to do?
If you agree to participate, you will be involved in a mixed-methods study, that will involve in one or more of the following components:

- **e-Delphi rounds:** Online questionnaires over three rounds to help build expert consensus on preferred data formats and visualisations.
- **Quantitative surveys:** Structured exercises (e.g. Likert scales, ranking) to assess preferences for data presentation.
- **Discrete choice experiments (DCE):** Short exercises comparing hypothetical IVF scan data presentations.

- **Prototype review:** Feedback on proposed data visualisation tools.

Each round or component will take approximately 15–20 minutes. You may withdraw at any point without giving a reason. As an acknowledgement of your participation, participants will receive a gift certificate.

What are the possible benefits of taking part?
There will be **no direct personal medical benefit to you from participating** in this research. However, your participation will provide valuable insights into how IVF monitoring data is used and how its presentation can be improved. The findings from this research are intended to benefit the broader IVF and medical imaging community and potentially lead to improvements in clinical decision-making and patient outcomes in IVF in the future. You will also receive incentives for your time and participation as described above.

What are the possible risks and disadvantages of taking part?
This study is subject to Minimal and Low Risk Ethics Application through the University of Queensland. Based on the study design, there are no significant physical, emotional, psychological harm, or stress anticipated from participating in the survey, DCE, or Delphi. The primary potential disadvantage is the time commitment required for participation.

What will happen to the information about me?
All information collected about you will be treated with respect for your privacy. Your identitty will be anonymised in the data used for analysis and dissemination. Data collected for this research will be stored securely. Once anonymised, the research team will have access to the anonymised data for analysis.
It is anticipated that the results of this research project will be published in peer-reviewed journal articles and/or presented at conferences. Findings will also be shared directly with participating specialists and clinics. In any publication and/or presentation, information will be provided in such a way that you cannot be identified.

What will happen if I decide to withdraw?
Your participation in this research is **voluntary** and you are **free to withdraw from the research anytime** without needing to provide any explanation, and you would not receive any penalty or bias as a result of your withdrawal. Should you decide to withdraw, **all identifiable information collected from/about you will be destroyed and will not be used in the research.**

Can I hear about the results of this research?
Yes, the findings will be shared through peer-reviewed journal articles and presentations at relevant conferences, including FSANZ. You may also contact the principal researcher, A/Professor Anusch Yazdani at a.yazdani@uq.edu.au and opt in to receive outcomes of the study electronically.

Who can I contact if I have any concerns about the project?
This study adheres to the Guidelines of the ethical review process of The University of Queensland and the National Statement on Ethical Conduct in Human Research. Whilst you are free to discuss your participation in this study with the researcher, A/Professor Anusch Yazdani, contactable on: Email: a.yazdani@uq.edu.au Mobile: 0408133368 If you would like to speak to an officer of The University of Queensland not involved in the study, you may contact the Ethics Coordinator on +617 3365 3924 / +617 3443 1656 or email humanethics@research.uq.edu.au.

This research Ethics ID number: 2025/HE000908