

APPENDIX

Questionnaire

CONSENT FORM

Dear Participant,

My name is Abigail Charity Ekeleba Johnson from the University of Ghana Medical School.

I am conducting a research project on: **Awareness and Acceptability of Assisted Reproductive Technology among Non-Medical Tertiary Students In a Low-resource Setting.**

The purpose of this study is to assess the knowledge, attitudes and perceptions on Artificial Reproductive Techniques and evaluate the factors influence these attitudes. It is in this regard that I solicit your cooperation to complete this questionnaire. This study is purely an academic research work and the information provided will be treated with utmost confidentiality.

I respectfully request your assistance in achieving my objectives in this study by answering the following questions.

The decision to participate is VOLUNTARY. Please be assured that your privacy and confidentiality will be strictly protected. No part of the information will be disclosed without prior consent from you.

Thank you for your cooperation.

In case of any enquiries, my contact details are provided below:

Email: aecjohnson001@st.ug.edu.gh Tel: +233542005533

Do you agree to participate?

- ☐ Yes
- ☐ No

Demography

Sex:

- ☐ Female
- ☐ Males

Age:

- ☐ 15-19
- ☐ 20-29
- ☐ 30-39
- ☐ 40-49
- ☐ 50-59

Marital status:

- ☐ Single
- ☐ Married
- ☐ Divorced
- ☐ cohabiting

Religion:

- ☐ Christian
- ☐ Muslim
- ☐ African traditional Religion
- ☐ Other

Please specify:

Name of your current educational institution:

- University of Ghana
- Kwame Nkrumah University of Science and Technology.

Level of Education:

- 100 / year 1
- 200 / year2
- 300 / year 3
- 400 / year 4
- 500 / year 5
- 600 / year 6
- Post graduate (masters)
- Post graduate (PHD)

Programme offered in school:

- Health related programmes
- Engineering
- Pure Sciences/Physical Sciences/Computer Sciences
- Humanities
- Arts
- Business related programmes
- Other (please specify)

Do you know of any couple who have been struggling to give birth for over 1 year?

- Yes
- No

What are some of the modalities for treating infertility you know of?

- Orthodox Medications
- Herbal medications
- Prayer and fasting
- Artificial reproductive techniques

Do you think artificial reproductive techniques are important?

- Yes
- No
- I don't know

The following are examples of the artificial reproductive techniques. Do you know of? (Tick as applicable)

- In vitro fertilization – Fertilization occurs outside the body, in a laboratory.
- Intra cytoplasmic sperm injection- the sperm is directly injected into the egg for fertilization to occur.
- Embryo donation- the embryos formed after in vitro fertilization are preserved and later donated to people who need them.
- Gamete donation – involves donating one's sperms or eggs to assist other people who need it them to have babies
- Surrogacy – it involves another woman who is not your partner, carrying a pregnancy which belongs to you and your partner till birth, when you can have your baby afterwards.
- Gamete cryopreservation – it involves storing some of your sperms or eggs in a special facility for future use to have your biological babies.

How likely are you to suggest / recommend an assisted reproductive technique to an infertile couple?

- Very likely
- Likely
- Neutral
- Unlikely
- Very unlikely

If likely or very likely, why will you recommend it? (You can tick as many as applicable)

- It is a blessing from God
- I will do anything to have babies
- There are no complications from the procedure
- It is versatile and flexible
- Any other reason.....

If likely or very likely, which of the following forms of ART will you recommend? (You can tick as many as applicable)

- In vitro fertilization
- Intracytoplasmic injection
- Donor egg treatment protocol
- Donor sperm treatment protocol
- Embryo donation
- Surrogacy

If you are unlikely or very unlikely, why? (You can tick as many as applicable)

- Religious reasons. Please specify.....
- Cultural reasons. Please specify.....
- Fear of complications
- I want to have babies through sexual intercourse alone

- Babies born through Assisted Reproductive Techniques are not real humans
- The babies will fall sick later
- The baby may die
- It's too expensive
- The society may stigmatize me and my baby
- Any other reason.....

How likely are you to opt for artificial reproductive technique should you ever need it in order to have babies in future?

- Very likely
- Likely
- Neutral
- Unlikely
- Very unlikely

If you are likely or very likely, why? (You can tick as many as applicable)

- Because of necessity
- It is a blessing from God
- I will do anything to have babies
- There are no complications from the procedure
- It is versatile and flexible
- Any other reason.....

If you are likely or very likely, which of the following forms of ART are you likely to favour?
(You can tick as many as applicable)

- In vitro fertilization
- Intracytoplasmic injection

- Donor egg treatment protocol
- Donor sperm treatment protocol
- Embryo donation
- Surrogacy

If you are unlikely or very unlikely, why? (You can tick as much as applicable)

- Religious reasons. Please specify.....
- Cultural reasons. Please specify.....
- Fear of complications
- Babies born through ART are not real humans
- The babies will fall Sick later
- The baby may die
- It's too expensive
- The society may stigmatize me and my baby
- Any other reason.....

FOR MALES

How likely are you to voluntarily donate your sperms to help in treating an infertile couple to have babies? (No sexual intercourse involved)

- Very likely
- Likely
- Neutral
- Unlikely
- Very unlikely

How likely are you to allow your partner to accept the sperm donated by another person in order to make babies, assuming you had fertility issues? (No sexual intercourse involved)

- ☐ Very likely
- ☐ Likely
- ☐ Neutral
- ☐ Unlikely
- ☐ Very unlikely

How likely are you to accept to make babies with the eggs of another woman assuming your partner had fertility issues? (No sexual intercourse involved)

- ☐ Very likely
- ☐ Likely
- ☐ Neutral
- ☐ Unlikely
- ☐ Very unlikely

How likely are you to accept for another woman who isn't your partner to carry a pregnancy belonging to you and your partner till your baby is born? (No sexual intercourse involved)

- ☐ Very likely
- ☐ Likely
- ☐ Neutral
- ☐ Unlikely
- ☐ Very unlikely

How likely are you to ever want to freeze some of your sperm in a laboratory for later use in order to make babies of your own? (No sexual intercourse involved)

- ☐ Very likely
- ☐ Likely

- Neutral
- Unlikely
- Very unlikely

FOR FEMALES

How likely are you to ever want to donate your eggs voluntarily to help another woman with infertility to have babies for themselves? (No sexual intercourse involved)

- Very likely
- Likely
- Neutral
- Unlikely
- Very unlikely

How likely are you to accept the eggs of another woman in order to make babies assuming you had fertility issues requiring donor eggs? (No sexual intercourse involved)

- Very likely
- Likely
- Neutral
- Unlikely
- Very unlikely

How likely are you to accept to make babies with the sperm of another man assuming your partner had fertility issues requiring donor sperm? (No sexual intercourse involved)

- Very likely
- Likely

- ☐ Neutral
- ☐ Unlikely
- ☐ Very unlikely

How likely are you to accept for another woman to carry a pregnancy that belongs to you and your partner till your baby is born? (No sexual intercourse involved)

- ☐ Very likely
- ☐ Likely
- ☐ Neutral
- ☐ Unlikely
- ☐ Very unlikely

How likely are you to ever want to freeze some of your eggs for later use to enable you have your biological babies in the future? (No sexual intercourse involved)

- ☐ Very likely
- ☐ Likely
- ☐ Neutral
- ☐ Unlikely
- ☐ Very unlikely

FOR ALL

Do you think the government should make access to ART services a basic part of our healthcare institutions?

- ☐ Yes
- ☐ No
- ☐ I don't know

Should the government subsidize the cost of ART services in Ghana?

- ☐ Yes
- ☐ No
- ☐ I don't know

Should ART services be included in our NHIS services?

- ☐ Yes
- ☐ No
- ☐ I don't know

THANK YOU FOR YOUR PARTICIPATION.