**Knowledge & Attitude of Research Ethics among Food & Nutrition Post Graduate Students of Pakistan.**

This questionnaire aims to assess knowledge and attitude of research ethics among food and nutrition graduate students of Pakistan. Research ethics is the backbone of any research project and majority of food and nutrition students are involved with human subjects. The questionnaire is anonymous so your identity will not be revealed. Your participation is voluntary but it will be highly appreciated. Data will be used for research purpose only and complete confidentiality will be maintained.

**PART 1: PERSONAL DATA**

**Age** (years) \_\_\_\_\_\_\_\_

**Gender**

* Male
* Female

**Degree**

* PhD
* M Phil
* M Sc (Honors) / MS
* M Sc / BS (16 years)

**Specialization**

* Food & Nutrition
* Nutrition & Dietetics
* Food Science & Human Nutrition
* Community Health & Nutrition
* Public Health & Nutrition
* Human Nutrition

**Household income (PKR)**

* >100,000
* 50,000-100,000
* <50,000

**City \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Country** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**PART 2: PREVIOUS EXPOSURE WITH RESEARCH**

**Answer the following questions in yes or no.**

Do you have prior involvement in research? Yes No

Do you have prior training in research ethics? Yes No

Do you have international publications? Yes No

Have you previously applied for approval from REC? Yes No

**PART 3: KNOWLEDGE REGARDING ETHICAL PRINCIPLES**

**Answer the following questions in yes or no.**

Informed consent Yes No

Program debriefing Yes No

Voluntary participation Yes No

Right to withdrawal Yes No

Confidentiality Yes No

Anonymity Yes No

Justice Yes No

Beneficence Yes No

Possible risks Yes No

Potential benefits Yes No

Nuremberg code Yes No

Helsinki declaration Yes No

**PART 4: ATTITUDE REGARDING ETHICAL PRINCIPLES**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1. Research ethic committee (REC) is helpful & every institute should have REC. | SA | A | N | DA | SDA |
| 2. Research ethics should be taught as a mandatory post graduate module. | SA | A | N | DA | SDA |
| 3. Patients should be informed of aims and purpose of the research including risks and benefits. | SA | A | N | DA | SDA |
| 4. Deception can be used when potential benefits outweigh the risks involved. | SA | A | N | DA | SDA |
| 5. Ideally participant’s identity should not be known to researcher and it should not be revealed to anyone outside the researcher or his staff. | SA | A | N | DA | SDA |
| 6. There should be measures to protect patient data from being accidently exposed. | SA | A | N | DA | SDA |
| 7. The study results should be disseminated and everyone should benefit from the contributions. | SA | A | N | DA | SDA |
| 8. Ethical review of research by an REC is only necessary for international collaborative research. | SA | A | N | DA | SDA |
| 9. Ethical review by an REC would delay research and make it harder for the researcher. | SA | A | N | DA | SDA |
| 10. Ethical review of research by an REC is not necessary since it has passed Advanced board of studies. | SA | A | N | DA | SDA |
| 11. Informed consent is necessary only when using biological samples and presentation of data as pictures. | SA | A | N | DA | SDA |
| 12. If no surrogate/guardian is available to give informed consent for vulnerable group they could still be included. | SA | A | N | DA | SDA |
| 13. It is ok to fabricate data to improve outcomes of research as long as there is no harm to the participants. | SA | A | N | DA | SDA |
| 14. We should tell the participants that once enrolled they have to complete the study. | SA | A | N | DA | SDA |

**KEY:** SA= Strongly Agree; A= Agree; N= Neutral; DA= Disagree; SDA= Strongly Disagree