

PROTOCOL FOR RESEARCH DESERTATION WRITING

HARD PAGE

(In Maroon colour)

Should include study title in bold and capital

Supervised by Dr. _____

Batch No _____

Session 2020-2021

KHYBER MEDICAL COLLEGE PESHAWAR

TITLE PAGE [First soft page]

Should include study title in bold and capital

Names of all researchers mentioning

1. _____ Research Director

2. _____ Assistant Directors.

3. _____

4. _____

5.

Batch No _____

Session 2020-2021

KHYBER MEDICAL COLLEGE PESHAWAR

ACKNOWLEDGEMENTS

Mention all those who helped you to complete this research in 1-2 paras

APPROVAL CERTIFICATE

Signed by the supervisor

ETHICAL APPROVAL CERTIFICATES

TABLE OF CONTENTS

ABSTRACT

Provide an informative and balanced summary of what was done according to format - intro & objectives, material and methods, results, conclusion. Total 300 words

CHAPTER 1 :- INTRODUCTION

This should include scientific background of the problem both internationally, nationally and regionally.

Give the rationale for the research study in one para at the end of the introduction section.

Intro should be 4 - 5 pages.

OBJECTIVES

Give SMART objectives stating what has to be achieved precisely. Objectives should be 3-6

RESEARCH QUESTION

Formulate in such a precise way that it more or less determines what you have to do

HYPOTHESIS

Give 2-3 hypothesis if applicable

CHAPTER 2 :- LITERATURE REVIEW

This is the major portion of the research. It should include history of the problem, prior researches done and information about the problem. Literature review should be according to objectives and variables (20 - 30 pages).

CHAPTER 3 :- MATERIAL & METHODS

- **Study Area**

Give a description of the area from where you are collecting the sample whether it is a hospital or a community etc.

- **Study Population**

What is your target population? Give its details. Whether you want to study all this population or will you select a sample?

- **Study Design**

Briefly explain the study design

- **Sampling**

- Sample size - What sample size is required & how is it calculated
- Sampling technique - How would you select that sample
- Inclusion criteria
- Exclusion Criteria
- Variables - Universal, dependent, independent, confounding, modifier, qualitative, quantitative. How will you define that variable? How will it be measured?

- **Data collection tool**

Clinical examination, direct observations, documentary, interview, self administered questionnaire, laboratory investigation etc. or indirect data collected from hospital record. Questions should be short, simple, avoiding duplication, not offensive and questionnaire should be in sections.

- **Study validation /Pilot study:-**

Review each interview/ questionnaire for completeness, once data collection is started. Code the questions, check for errors, give ID numbers.

- **Data Presentation & Analysis technique**

Examine each variable separately, whether it is univariate, bivariate, multivariate. If it is categorical then find out frequencies, percentages, prevalence, incidence, χ^2 test (all non parametric tests). If the data is continuous and normal then find out mean, variance, standard deviation, standard error, centiles, paired & unpaired 't' test (all parametric test).

- **Study Limitations**

- **Time Frame**

- **Work Plan / Gantt Chart**

- **Ethical Consideration**

CHAPTER 4 :- RESULTS

For each question / variable first give a graph or table and then write it in descriptive form below the table or graph. In both table/ graph and description give the results in absolute numbers and percentages.. Find out the statistical significance of the important variables of interest according to the objectives and describe all statistical methods used.

CHAPTER 5 :- DISCUSSION

Highlight the main results with cross reference to national and international literature. Discuss the study limitations and alternative interpretations to the findings. Personal perspectives related to interpretations should be discussed. Practical significance and theoretical implication to the findings may also be given. Explain the possible biases and how they should be controlled.

CHAPTER 6 :- CONCLUSION

Give the conclusion of your study results in one page in text form without giving the figures, according to the objectives.

RECOMMENDATIONS

Give 1-2 page recommendations in bullet format.

REFERENCES

Give all references quoted in the text in Vancouver style

ANNEXURES

Any important details that have not been mentioned in the text should be mentioned in the form of annexure-I, annexure- II etc like details of statistical analysis, laws, questionnaire etc

FORMAT

- Font - Times new roman
- Font size
 - Major heading - 14 bold
 - Sub heading - 12 bold
 - Text - 12
- Double spacing
- Left & Right margin 1 inch
- Page No - Right lower margin
- Page number should start from introduction. Uptil abstract, it should be in roman numbers
- Binding should be hard in maroon colour with college monogram
- No irrelevant pictures should be printed

Professor Dr. Bushra Iftikhar

Chairperson

Community Medicine Department &

Associate Dean (Research)

Khyber Medical College

Peshawar.