Relapse: A Challenge of DOTS

Socio-Cultural Study of Tuberculosis Relapse Cases in Rupandehi District



A Dissertation Submitted to The Faculty of Humanities and Social Sciences Central Department of Sociology and Anthropology, in Partial Fulfillment of the Requirements for Degree of Master of Arts in Sociology

> Submitted By Narayan Prasad Paudyal Symbol No.: 281916

CENTRAL DEPARTMENT OF SOCIOLOGY/ANTHROPOLOGY TRIBHUVAN UNIVERSITY KIRTIPUR, KATHMANDU 2013

TRIBHUVAN UNIVERSITY FACULTY OF HUMANITIES AND SOCIAL SCIENCES CENTRAL DEPARTMENT OF SOCIOLOGY/ANTHROPOLOGY KIRTIPUR, KATHMANDU

LETTER OF RECOMMENDATION

This is to certify that **Mr Narayan Prasad Paudyal** has completed this dissertation entitled **"Relapse: A Challenge of DOTS" Socio-Cultural Study of Tuberculosis Relapse Cases in Rupandehi District** under my guidance and supervision as the partial fulfillment of the Degree of Master of Arts in Sociology. Therefore, I recommend this dissertation for final evaluation and approval.

.....

Mr. Madhusudan Subedi Dissertation Supervisor Central Department of Sociology/Anthropology Kirtipur, Kathmandu, Nepal

TRIBHUVAN UNIVERSITY FACULTY OF HUMANITIES AND SOCIAL SCIENCES CENTRAL DEPARTMENT OF SOCIOLOGY/ANTHROPOLOGY KIRTIPUR, KATHMANDU

LETTER OF ACCEPTANCE

This dissertation entitled "**Relapse: A Challenge of DOTS**" Socio-Cultural Study of Tuberculosis Relapse Cases in Rupandehi District prepared by Mr. Narayan Prasad Paudyal has been evaluated and accepted as the partial fulfillment of the requirements for the Master Degree in Sociology.

Approved By

.....

Mr. Madhusudan Subedi Dissertation Supervisor

.....

Mr. Tika Ram Gautam External Examiner

Prof. Dr. Om Gurung Head of Department

Date:

ACKNOWLEDGEMENT

With unbound thanks, which cannot be expressed in single word, I would like to say that I am deeply indebted to my supervisor Mr. Madhusudan Subedi, Central Department of Sociology/Anthropology, for his continuous supervision, encouragement, and invaluable suggestions during the period of thesis writing.

I am profoundly grateful to Ulla-Britt Engelbrekttsson, Associate Professor, University of Gothenburg for her financial help and inspiring suggestions while preparing this dissertation. I would also like to express my gratitude to Prof, Om Gurung, Head of Central Department of Sociology/Anthropology, and Kapil Dahal Lecturer of Central Department of Sociology/Anthropology for their encouraged me to success of this research.

Similarly, I would like to thanks to all the informant, staff of DOTS centers and health professionals of Rupandehi District. I also would like to thank Mr. Name Mitra Shrestha, Secretary of Nepal Anti -Tuberculosis Association, Kalimati and Teeka Ram Adhikari, DTLO Rupandehi for providing valuable information and kind Support. I am also thankful to my friend Ms. Anchala Chaudhary for her invaluable suggestion on the period of thesis writing.

Likewise, I must unreservedly acknowledge my deep debt of gratitude to my Sister Dipa Neupane, Bindu and Indu Atrya, Padam Gnawali, Kamal Pokharel, Rajendra Khanal for information suggestion and indefatigable help and my father, mother, brother, sister and my friends for their great encouragement.

Finally, I am thankful to all my colleagues, friends and all those people who helped me to complete this study.

Narayan Prasad Paudyal

2013

ACRONYMS

CBS	Center Bureau of Statistics
CDR	Case Detection Rate
CNSP	Comprehensive National Strategy Plan
DoHS	Department of Health service
DOTS	Direct Observed Treatment Short Course
DTLO	District Tuberculosis and Leprosy Officer
EP-TB	Extra Pulmonary Tuberculosis
HBC	High Burden Country
HERD	Health Research and Social Development Forum
HIV	Human Immune Deficiency Virus
MoHP	Ministry of Health and Population
MDG	Millennium Development Goal
MDR	Multi-Drug Resistance
NGO	Non-Governmental Organization
NMJI	National Medicine Journal of India
NTC	National Tuberculosis Center
NTCP	National Tuberculosis Control Program
P+TB	Pulmonary Positive Tuberculosis
P-TB	Pulmonary Negative Tuberculosis
RNTCP	Revised National Tuberculosis Control Program
ТВ	Tuberculosis
VDC	Village Development Committee
WHO	World Health Organization
XDR	Extensively Drug Resistance

TABLE OF CONTENTS

Letter of Recommendation

Approval Letter

Acknowledgement

Table of Contents

List of Tables

Acronyms

CHAPTER : INTRODUCTION

1.1 Background of the Study	1
1.2 Statement of the Problem	2
1.3 Objective of the Study	3
1.4 Significance of the Study	3
1.5 Organization of the Study	4

CHAPTER II: LITERATURE REVIEW

2.1. Theoretical framework of the Study	6
2.2. Tuberculosis on World Context	9
2.3 Tuberculosis in Nepalese Context	11
2.4 Relapse Cases TB	13
CHAPTER III: METHODOLOGY	
3.1 Rational of the Site Selection	15

3.2 Research Design16

3.3 Nature and Sources of Data	16
3.4 Sample Size and Sampling Technique	16
3.5 Field Experience and Data Collection Technique	16

3.5.1 Interview	17
3.5.2 Observation	17
3.6 Ethical Considerations	18
3.7 Limitation of the study	18
CHAPTER IV: GENERAL INFORMATION OF THE RESPONDENT	
4.1 Demographic Characteristics of Respondent	19
4.1.1 Age and Sex Composition	20
4.1.2 Respondent by Ethnicity	21
4.2 Respondent by TB Types	22
CHAPTER V: TB EXPERIENCES AND TREATMENT PRACTICES	
5.1 Diagnosis and Medication	24
5.2 Response and Reaction When Known	26
5.3 Medication System and Challenges	27
5.5 Monitory Expenses	29
CHAPTER VI: SOCIAL AND CULTURAL FACTORS OF RELAPSE	
6.1 Gap of Knowledge between Receiver and Provider	31
6.2 Long Medication and Patient Irritation	33
6.3 Knowledge and Concept of Disease	35
6.4 Awareness and its Dysfunctional Role	37
6.5 Economics Condition and Nutrition Maintenance Problem	39
6.6 Health Seeking Behavior and Repeating the Disease	41
6.7 Hiding the Disease and Transformation Possibility	42
6.8 Belief and Understanding43	
CHAPTER VII: CHALLENGES AND CONSEQUENCES OF RELAPSE	

7.1 Sugina and Discrimination	7.1	Stigma	and	Discrimination
-------------------------------	-----	--------	-----	----------------

7.2 Difficulties to Improve Economics Condition	47
7.3 Self Barrier on Social Activates	48
7.4 Avoid and Back to Desire	50
7.5 Backward from Social Decision Making Power	51
CHAPTER VIII: SUMMARY AND CONCLUSION	
8.1 Summary	53
8.2 Conclusion	55
REFERENCES	

List of Table

Table 1: Age and Sex Composition	20
Table 2: Distribution of Ethnic/Caste Population of Respondent in Rupandehi	21
Table 3: Distribution of TB Types According to DHO Report	23
Table 4: Distribution of TB Types of Respondent	23
Table 5: Delay in Health Seeking at Health Facility	24
Table 6: Response and Reaction of Respondent when they knew	26
Table 7: Time duration to come DOTS center for medicine	28
Table 8: Monetary expansion when come to DOTS center for medicine	29