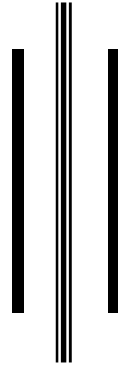


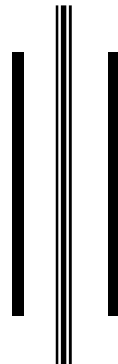
**A Study on Prevalence of Pulmonary
Tuberculosis Among the Suspected Cases
Visiting Gorkha District Hospital and
Tuberculosis
Awareness Among Them**



A Thesis

**Submitted in Partial Fulfillment of the Requirements for the
Master's Degree in Zoology with Special Paper Parasitology**

**Submitted By
SHASHI KUMAR SHARMA
2008**



To

**Central Department of Zoology
Institute of Science and Technology
Tribhuvan University, Kirtipur,**



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RECOMMENDATION

This is to certify that **Mr. SHASHI KUMAR SHARMA** has completed this dissertation work entitled. "**A Study on Prevalence of Pulmonary Tuberculosis among the Suspected Cases Visiting Gorkha District Hospital and Tuberculosis Awareness Among them**" as a partial fulfillment of the M.Sc. Degree in Zoology with special paper Parasitology under my supervision. To my knowledge, this work has not been submitted to any other degree.

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APPROVAL

We certify that this dissertation presented by **Mr. SHASHI KUMAR SHARMA** entitled "A Study on Prevalence of Pulmonary Tuberculosis among the Suspected Cases Visiting Gorkha District Hospital and Tuberculosis Awareness Among them" is satisfactory in scope and quality as a thesis for the partial fulfillment of Master's Degree of Science in Zoology with Parasitology as a special paper.

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ABSTRACT

Tuberculosis is a major cause of morbidity and mortality in the developing countries like Nepal. With a view to study the prevalence of tuberculosis in suspected tuberculosis people present work was carried out in Gorkha District Hospital, during 2063/9/24 to 2063/12/24. A total of 290 samples were collected from the suspected tuberculosis patients attending District Hospital Gorkha. The samples were examined by Ziehl-Neelsen (ZN) staining method. Out of 290 samples, a total of 12 (4.12%) samples were found AFB positive. Out of 12 total AFB positive cases, 7 (58.33%) were males and 5 (41.66%) were females. High prevalence of disease was revealed among the economically productive age group of 20-49 years. Out of 290 respondents, 258 (88.96%) had knowledge about tuberculosis. Regarding knowledge of symptoms, 48 (10.66%) said it was coughing, 39 (15.11%) said coughing and fever, and 55 (21.31%) people's view was only fever. In relation to occupation wise prevalence of pulmonary tuberculosis (PTB), 1 (0.34%) was student, 3 (1.03%) were workers, 3 (1.03%) were farmers, 1 (0.34%) was job holder. 1 (0.34%) was businessman and 3 (1.03%) were house-wives. Smoking is considered to be one of predisposing risk factor for pulmonary tuberculosis. Out of 290 respondents, 115 (39.65%) were current smokers and smoked between 5 to one packets per day. Among total current smokers, 70 (60.86%) were males and 45 (39.13%) were females. More than half of the respondents were in low economic level.

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- a. Interaction with District Health Officer

ABBREVIATIONS AND ACRONYMS

| | |
|-------|--|
| AFB | Acid Fast Bacillus |
| AIDS | Acquired Immuno Deficiency Syndrome |
| ALA | American Lung Association |
| BCG | Bacilli Calmette Guerin |
| BMRC | British Medical Research Council |
| DOTS | Directly Observe Treatment Short - Course |
| DPHO | District Public Health Office |
| HIV | Human Immunodeficiency Virus |
| HMG | His Majesty's Government |
| ISTC | International Standards for Tuberculosis Care |
| JICA | Japan International Cooperation Agency |
| MDR | Multi Drug Resistance |
| NGO | Non-Governmental Organization |
| NTC | National Tuberculosis Centre |
| NTP | National Tuberculosis Programme |
| PAL | Practical Approach to Lung Health |
| Pop | Population |
| PTB | Pulmonary Tuberculosis |
| SAARC | South Asian Association for Regional Cooperation |
| STC | Tuberculosis and HIV/AIDS Centre |
| TB | Tuberculosis |
| TUTH | Tribhuvan University Teaching Hospital |
| USA | United States of America |
| USPH | United States Public Health Services |
| WHO | World Health Organization |
| ZN | Ziehl-Neelson |