Table of Contents

Chapter 1: Introduction

1.1 Introduction of lymphatic filaria
1.2 Pathogenesis and pathology
1.3 Lymphatic filariasis, clinical features
1.4 Immunity
1.5 Socio-economic burden
1.6 Bioinformatics aspect
1.7 Purpose of the work

Chapter 2: Material and Methods

2.1 Screening and diagnostic test-knotts method
2.2 DEC Provocation test
2.3 People counseling
2.4 Circular filarial Antigen-By ELISA
2.5 Hematological Analysis
2.6 Biochemical analysis
2.7 Bioinformatics Aspects (Phylogenetic study)

Chapter 3: Observation and Results

3.1 Present status in world and history of L.F
And Current Discoveries
3.2 Screening and Diagnostic tests.
3.3 DEC Provocation test
3.4 People counseling
3.5 Circular filarial Antigen-By ELISA
3.6 Hematological Analysis
3.7 Biochemical Analysis
3.8 Bioinformatics Aspects

(Representations in clustal X and tree view)

Chapter 4: Discussion

4.1 Present status in world and history of L.F
4.2 Screening and diagnostic test
4.3 DEC provocation test
4.4 People canceling
4.5 Circular filarial Antigen-By ELISA
4.6 Hematological analysis
4.7 Biochemical analysis
4.8 Bioinformatics Aspects (Phylogenetic study)

Chapter 5: Summary and conclusion

5.1 Historical and geographical review
5.2 Socio-economic Burden
5.3 Prevalence of lymphatic filaria
5.4 Hematological Analysis
5.5 Biochemical Analysis
5.6 MDA programe in Amravati
5.7 Bioinformatics Aspects (Phylogenetic study)

Bibliography

Appendix