LIST OF FIGURES

Chapter 2  Background
Figure 2.1  Histological progression model of oral squamous cell carcinoma
Figure 2.2  Genetic Explanation of Slaughter’s Concept of Field Cancerization
Figure 2.3  Premalignant lesions

Chapter 3  Epidemiologic Trends of Head and Neck Cancers
Figure 3.1  AAR of oral cavity-a)males b)females
Figure 3.2  Population Incidence of AAR of Oral cancers(C00-06) Males and Females
Figure 3.3  Age Specific Incidence Rates of Head and Neck Cancers in India
Figure 3.4  Trends in AAR of Head and Neck Cancers and subsites- Chennai all ages
Figure 3.5  Trends in AAR of Head and Neck Cancers and subsites- Barshi all ages
Figure 3.6  Trends in AAR of Head and Neck Cancers and subsites- Chennai young
Figure 3.7  Trends in AAR of Head and Neck Cancers and subsites- Barshi- young
Figure 3.8  Trends in AAR of Head and Neck Cancers and subsites- Mumbai –all ages (1973-97)
Figure 3.9  Trends in AAR of Head and Neck Cancers and subsites- SEER –all ages (1973-97)
Figure 3.10  Trends in AAR of Head and Neck Cancers and subsites- Mumbai young (1973-97)
Figure 3.11  Trends in AAR of Head and Neck Cancers and subsites- SEER –young (1973-97)

Chapter 4  Role of Human Papilloma Virus in Tongue Cancers
Figure 4.1  The genome of Human Papilloma Virus (HPV)
Figure 4.2  HPV carcinogenesis-E6-p53 and E7-pRb pathways
Figure 4.3  HPV Life cycle
Figure 4.4  Low-grade squamous intraepithelial lesion (LG-SIL) exhibiting true koilocytosis
Figure 4.5  Case control study – schematic representation
Figure 4.6  Overall survival of the patients-curves based on Kaplan-Meier method
Figure 4.7  Polymerase chain amplification of HPV with GAPDH and consensus primers in tumor and control DNA samples
Figure 4.8  Polymerase chain amplification of HPV16 L1, E6 & E2 in genomic DNA positive for consensus primers
Figure 4.9  Confirmation of HPV by sequencing in tumor and control DNA samples
Figure 4.10  Analysis of HPV DNA in tumor samples by in-situ hybridization
Figure 4.11  Overall survival by HPV status
Figure 4.12  Koilocytes in routine H & E evaluation
Figure 4.13  Immunohistochemistry analysis of the E6,E7,p53, p16 in HPV positive tumor samples
Figure 4.14  Immunohistochemistry analysis of pRb,cyclinD1, Notch-1, EGFR proteins in HPV positive tumor samples
Figure 4.15  Malignant transformation of the normal oral mucosa-effects of risk factors

Chapter 5  Factors Affecting Oral Cancer Awareness in a High-Risk Population in India
Figure 5.1  Overall awareness of oral cancer (questions1-9) among educational groups

Chapter 6  Oral Self-Examination to Improve Awareness of Oral Cancer and Early Detection in High-Rural Population
Figure 6.1  Outline of the general work plan