

LIST OF FIGURES

- Fig 1.1: Incidence of oral cavity cancer, Males
- Fig 1.2: Incidence of oral cavity cancer, Females
- Fig 1.3: New cancer cases in India
- Fig 1.4: Parts of the oral cavity
- Fig 1.5: Oral Cancer
- Fig 2.1: Types of DNA damage
- Fig 2.2: Action of uracil DNA N-glycosylase in BER
- Fig 2.3: Nucleotide Excision Repair scheme
- Fig 2.4: Double strand repair pathway
- Fig 3.1: Outline of the study
- Fig 4.1: Base Excision Repair pathway
- Fig 4.2: PCR-RFLP analysis of codon 194 genotype
- Fig 4.3: PCR product of XRCC1 codon 280/399 genotype analysis
- Fig 4.4: RFLP analysis of codon 280 and 399 genotype
- Fig 4.5: Sequencing of XRCC1 gene polymorphisms
- Fig 4.6: Polymorphism mapping of XRCC1
- Fig 5.1: Nucleotide Excision Repair pathway
- Fig 5.2: XPD/ERCC2 gene polymorphism
- Fig 5.3: ERCC1 gene polymorphism
- Fig 5.4: ERCC4 gene polymorphism
- Fig 6.1: Homologous recombination repair pathway
- Fig 6.2: XRCC3 gene polymorphism
- Fig 7.1: Diagrammatic representation of Micronucleus formation
- Fig 7.2: The cytokinesis blocked Micronucleus technique
- Fig 7.3: The cytokinesis blocked Micronucleus assay
- Fig 8.1: Assessment of DNA repair capacity by host cell reactivation assay
- Fig 9.1: SNPs and treatment response to radiation therapy of oral cancer