Oral cancer is the leader of cancers ~~throuhg~~ throughout the world, and there is a ~~despertate~~ desperate need of its early detection, especially for prolonged abusers of tobacco. ~~t~~Tum~~u~~origenesis has been seen to be a result of a multi-step process involving ~~two~~ 2 or more genetic alterations that ultimately lead~~ing~~ to a transformed malignant phenotype of cancerous cells. For a long time, cancer has been known to be a disease caused by a~~r~~lterations in the genetic blueprint of cells. ~~-~~For many years, ~~-I~~it ~~is~~ has been strongly accepted that because of differentiation and proliferation, an imbalance in molecular signaling programs for ~~differen~~~~c~~~~iation~~ differentiation and proliferation can cause cancer. It is also known that distinct genetic expression programs are turned on or off during development, growth, and differentiation.

In the past decade, it has become apparent that epigenetic alterations also underlie the etymology of cancer. Epigenetic mechanisms are mechanisms that result in the heritable alteration of gene expression profiles ~~which~~ that is not caused by an altered primary DNA sequence. The main epigenetic control falls in the chemical modification of DNA and histones. Epigenetic events like the aberrant methylation of gene promoter regions ~~is~~ are associated with gene function loss ~~lost~~. This changed DNA indicates a heritable state and seem~~sed~~ to be tightly ~~be~~ linked to the formation of transcriptionally repressive chromatin.