

Among cancers, Ooral cancer is has the one of the highest incidences leader of cancers throung out worldworldwide, and there is a despertate need of its early detection is urgently required, especially for prolonged long-term users abusers of tobacco. tumuorigenesis Tumorigenesis has been proven seen to be a the result of a multi-step process involving two-2 or more genetic alterations that ultimately leading to the transformed malignant phenotype of cancerous cells. For a Llong-time, cancer has been known to be a disease caused by arterations in the genetic blueprint of cells. For many years, It is strongly widely accepted that because of differentiation and proliferation an imbalance in the molecular signaling programs responsible for differenciation differentiation and proliferation can cause cancer. Another thing that is accepted is It is also known that distinct genetic expression programs are turned switched on or off during development, growth, and differentiation.

In the past decade, it has become apparent that epigenetic alterations also underlie the etymology etiology of cancer. Epigenetic mechanisms are mechanisms those that result in the heritable alteration of gene expression profiles which is not caused by altered without alterations in the primary DNA sequence. The main core of epigenetic control falls lies in the chemical modification of DNA and histones. Epigenetic events like such as **Comment [Editor1]:** The term "leader of cancers" was ambiguous. Does my edit convey your meaning or should this part appear as "one of the highest mortality rates"?

Comment [Editor2]: Although this word is commonly used in this context, please consider revising this part of the text as "activated or deactivated" since this context demands a more formal tone.

Comment [Editor3]: The word "etiology" refers to the cause or origin of a disease, while the work "etymology" refers to the origin and history of words.

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aberrant methylation of gene promoter regions <u>is are</u> associated with <u>the</u> <u>loss of gene function-lost</u>. This <u>changed</u>-DNA <u>change indicatesbrings about</u> a heritable state and seem<u>sed</u> to <u>be</u> tightly <u>be</u>-linked to the form<u>ation</u> of transcriptionally repressive chromatin.



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