Abstract

This mini-review explores the extensive impacts of smoking cigarettes, cigars, and hookahs on oral health. It synthesizes research findings to highlight various oral consequences ranging from tooth pigmentation to oral cancer, emphasizing the dose-dependent effects of smoking. The review further discusses the specific risks associated with different smoking methods, including cigars' direct oral contact and the high toxic exposure from hookahs. Additionally, it addresses the legal status and health risks of electronic cigarettes in Brazil. The paper concludes by stressing the importance of healthy habits and dental follow-ups in mitigating smoking-related oral health issues, underscoring prevention as the primary strategy against smoking-induced diseases.

Keywords: Oral health, Smoking effects, Tobacco products, Electronic cigarettes, Disease prevention.
In recent years, the habit of smoking cigars and electronic cigarettes, in addition to using hookah, has become even more common. In this context, it is important to consider that, regardless of the device, the consumption of these inputs can also cause dependence and is as harmful to oral and general health as the use of regular cigarettes.

The cigar does not have a filter (like a regular cigarette) and has direct contact with the mouth, also promoting direct exposure to toxic components and increasing the risk of oral cancer (for example, cancer of the lips and tongue). The amount of tobacco present in a cigar can be almost 20 times greater than the amount of tobacco present in a cigarette. Compounds in direct contact with oral tissues can be easily dissolved by saliva and taken to other parts of the body, increasing the risk of harm to general health (for example, esophageal cancer).

Electronic cigarettes are illegally sold in Brazil by ANVISA (National Health Surveillance Agency) and, like hookahs, can cause nicotine dependence and damage cardiovascular, pulmonary and neuronal health. In addition to exposure to nicotine, electronic cigarettes contain other substances that may pose health risks, such as polycyclic aromatic hydrocarbons, whose effects on the body have not yet been fully elucidated. A 50-minute hookah session corresponds to exposure to the toxic components of smoke from approximately 100 cigarettes. Both electronic cigarettes and hookahs are often shared with other people. This can also favor the transmission of different types of microorganisms present in the oral cavity, related to cavities, periodontal disease and more serious diseases such as hepatitis and COVID-19.

Healthy habits are part of building good oral and general health. Eliminating or reducing the smoking habit and having follow-up appointments with a dentist helps to restore oral (and general) health. Prevention remains the best treatment for all diseases.

References
