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(57) Abstract :

Dental abscesses are common inflammatory conditions characterized by localized collections of pus within the teeth or gums, often causing severe pain and discomfort. Traditional treatments for dental abscesses include antibiotics, drainage, and sometimes surgical intervention. However, increasing concerns over antibiotic resistance and adverse effects necessitate the exploration of alternative therapeutic options. Psidium guajava, commonly known as guava, has been traditionally used for its medicinal properties, including its antimicrobial and anti-inflammatory effects. The objective of this study is to assess the effectiveness of chewing gum infused with Psidium guajava for treating dental abscesses. Numerous research investigations have illustrated the antimicrobial properties of Psidium guajava against the oral pathogens associated with the development of dental abscesses, such as Streptococcus mutans and Porphyromonas gingivalis. Additionally, its anti-inflammatory properties may help alleviate the symptoms associated with dental abscesses, including pain and swelling. Furthermore, the utilization of API of guava leaf in the form of chewing gum offers a convenient and patient-friendly method of administration, potentially enhancing patient compliance and treatment outcomes.

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