



• “By briefly eliminating advantageous spit from the oral hole, we establish a climate which then permits gatherings of microorganisms - including the anaerobic sulfur-creating microscopic organisms at the center of terrible breath creation - to overwhelm the climate,” Katz said. “Salivation fills numerous important roles including the anticipation of terrible breath, [as well as] tooth rot, by buffering oral acids and the conveyance of significant minerals to keep teeth and gums solid. Subsequently, Alcohol, whether in grown-up refreshments or mouthwash, may unleash destruction on the delicate equilibrium of the oral micro biome.”

A.
None

C.
None

References

1. Dewhirst FE, Chen T, Izard J, Paster BJ, Tanner AC, et al. (2010) The human oral microbiome. *J Bacteriol* 192(19): 5002-5017.
2. Baker JL, Bor B, Agnello M, Shi W, He X (2017) Ecology of the oral microbiome: beyond bacteria. *Trends Microbiol* 25(5): 362-374.

3. Slocum C, Kramer C, Genco CA (2016) Immune dysregulation mediated by the oral microbiome: potential link to chronic inflammation and atherosclerosis. *J Intern Med* 280(1): 114-128.
4. Witkiewitz K, Litten RZ, Leggio L (2019) Advances in the science and treatment of alcohol use disorder. *Sci Adv* 5(9): eaax4043.
5. Wade WG (2013) The oral microbiome in health and disease. *Pharmacol Res* 69(1): 137-143.
6. Koren O, Spor A, Felin J, Fak F, Stombaugh J, et al. (2011) Human oral, gut, and plaque microbiota in patients with atherosclerosis. *Proc Natl Acad Sci U S A* 108(Suppl 1): 4592-4598.
7. Kim J, Amar S (2006) Periodontal disease and systemic conditions: a bidirectional relationship. *Odontology* 94(1): 10-21.
8. Priyanka K, Sudhir KM, Reddy VC (2017) Impact of Alcohol Dependency on Oral Health - A Cross-sectional Comparative Study. *J Clin Diagn Res* 11(6): ZC43-ZC46.
9. Belibasakis GN, Bostancia N, Marsh PD (2019) Applications of the oral microbiome in personalized dentistry. *Arch Oral Biol* 104: 7-12.
10. Chattopadhyay I, Verma M, Panda M (2019) Role of Oral Microbiome Signatures in Diagnosis and Prognosis of Oral Cancer. *Technol Cancer Res Treat* 18: 1533033819867354.