

Joint Event

38th International Conference on

Advanced Pediatrics and Neonatology

29th Global Dentists and

Pediatric Dentistry Meeting

8th International Conference & Expo on

Euro Optometry and Vision Science

March 20-21, 2023

Rome, Italy

Sana Faiq Al-Rubaie, Gen Med 2023, Volume 11

Effect of hyaluronic acid on anosmia and ageusia in COVID-19 patients

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Statement of the Problem: Since the evolving understanding of the neurological side effects of SARSCoV-2 infection, Anosmia and Ageusia are affecting 52.73% of COVID-19 patients during the first 30 days of the disease. Large proportion of them were restored their smell and taste senses partially or completely, however; some patients did not. Efforts are made to discover the best treatment to regenerate the lost sense through topical or systemic application of corticosteroids, Insulin and others. Hyaluronic Acid (HA), the natural glycosaminoglycan, is known of its regulatory role in inflammatory responses and promotion of regeneration of mineralized and non-mineralized periodontal tissues and has been used as topical coadjuvant treatment in many acute and chronic gingival problems since it showed to have a positive effect on tissue repair and wound healing. The purpose of this case series, show the effect of HA mouth gel preparation on Anosmia and Ageusia.

Methodology: 5 cases of complete loss of smell for about 6 months post COVID-19 infection, ages range between 38-77 years, were prescribed Hyaluronic acid mouth gel (PerioKIN Hyaluronic 1%), as oral home care regimen.

Findings: Regain of smell and taste after 14 days of using HA as teeth brush twice a day.

Conclusions: The anti-inflammatory effect of Hyaluronic acid might be the treatment of choice for Anosmia and Ageusia related to COVID-19 infection.

Biography

Sana Faiq Al-Rubaie, Master degree in Periodontology–Baghdad University, College of Dentistry at 2013. She is an American Academy of Periodontology Member, Founder of Gum Health Clinic–Iraq, Baghdad, E- Instructor and medical communication skills trainer.

Received: February 07, 2023; **Accepted:** February 09, 2023; **Published:** March 20, 2023
