

Akhilanand Chaurasia-Salivary and gustatory functions in HIV seropositives with HAART (highly active antiretroviral therapy) and non- HAART therapy

Akhilanand Chaurasia

King George's Medical University, India



Abstract

The aim of the study is to assess, compare and correlate CD4 count with the salivary flow rate and gustatory functions in HIV positive individuals on HAART (Highly Active Antiretroviral Therapy) and non-HAART therapy. **Materials & Methods:** Total 60 HIV seropositives, 30 with HAART regimen (Group I) and 30 without HAART regimen (Group II) were included in this study. Salivary flow rate was measured using Schrimmer's test. The length of wetting of Schrimmer test strip is measure of salivary flow rate. Gustatory functions were assessed by four freshly prepared tastant solutions of sucrose (sweet), sodium chloride (NaCl, salty), citric acid (sour) and quinine sulphate (bitter) in five concentration levels. The detection threshold of taste was measured on a scale of 1–5 for all concentrations of each taste solution. **Results:** The mean salivary flow rate decreased in both Group I and Group II over a period of six months. It has decreased more in Group I as compared to Group II. The Pearson co-relation analysis showed a significant inverse co-relation between changes in salty taste score and salivary flow rate in Group I ($r=-0.59$, $p<0.001$) however it showed a positive co-relation in Group II ($r=0.45$, $p<0.05$). The changes in other gustatory variables showed no significant correlation ($p>0.05$) with CD4 count and salivary flow rate in both the groups. **Conclusions:** Reduction in salivary flow rate and gustatory dysfunction are imperative concern for HIV seropositives on HAART regimen. Hence along with routine oral health appraisal in HIV seropositives, salivary flow rate and taste dysfunction should be integral part of patient assessment.

medicine, oral biology and community health. He has remarkable credit of contributing to academics for publishing 49 research papers, peer reviewer of more than 150 international journals with high impact factors, one of top 10 author in subject of Head and neck Radiology of Europe and member of several international organization related to field of Oral Medicine, Oral biology and community health. Dr. Akhilanand Chaurasia, a fellow of Pierre Fauchard Academy(PFA,USA), fellow of International college of continuing dental education(FICCDE,singapore), fellow of international college of dentists(FICD,USA) fellow of Academy of General Education(FAGE), Fellow of International academy of Medical sciences(FIMSA) and International Travel Fellow from Indian Council of Medical Research (New Delhi).He is member of editorial board of 14 international journals, editor in chief of 2 national journals, Editor of 9 international journal and associate editor of 1 international journal.

Speaker Publications:

1. "Evaluation of Salivary Cardiac Troponin-I as Potential Marker for Detection of Acute Myocardial Infarction", Journal of Clinical and Diagnostic Research/ Vol 12 Issue 7
2. "Prevalence of trigeminal neuralgia in Indian population visiting a higher dental care center in North India/ Volume : 10 | Issue : 2 | Page : 195-199
3. "Comparative Evaluation of role of Lysyl oxidase gene (LOXG473A) expression in pathogenesis and malignant transformation of Oral Submucous Fibrosis", Journal of Clinical and Experimental Dentistry/Vol 11 Issue 10
4. "Understanding dental provider-EHRs interaction during the patient visit in dental care" International Symposium on Human Factors and Ergonomics in Health Care/ March 2013
5. "Temporomandibular disorders in North Indian population visiting a tertiary care dental hospital", Volume 11, Issue 1, Page : 106-109



Biography:

Akhilanand Chaurasia, Associate professor and consultant at King George Medical University, Lucknow has dedicated meticulous efforts and supreme services pertaining to oral

[24th Annual World Dental Summit](#) May 07-08, 2020
Webinar

Abstract Citation:

Akhilanand Chaurasia, Salivary and gustatory functions in HIV seropositives with HAART (highly active antiretroviral therapy) and non- HAART therapy, Dental World 2020, 24th Annual World Dental Summit May 07-08, 2020 Webinar.

(<https://worldental.conferenceseries.com/abstract/2020/Salivary-and-gustatory-functions-in-HIV-seropositives-with-HAART-highly-active-antiretroviral-therapy-and-non-HAART-therapy>)