

# Salivary biomarkers of gingivitis: Information important for personalized decision-making

March 21 2014

---

Today during the 43rd Annual Meeting & Exhibition of the American Association for Dental Research, held in conjunction with the 38th Annual Meeting of the Canadian Association for Dental Research, Craig Miller, University of Kentucky, Lexington, will present research titled "Salivary Biomarkers of Gingivitis: Information Important for Personalized Decision-Making."

Salivary biomarkers have been studied to help determine the presence, risk, and progression of periodontal disease. However, clinical translation of salivary biomarkers from bench to chairside requires studies that identify biomarkers associated with the continuum of phases between health and periodontal disease. Thus, the objective of this study was to identify salivary biomarkers associated with [gingivitis](#).

Forty gingivitis subjects and 40 persons with gingival health who had more than 20 teeth were studied. Unstimulated saliva was collected from all subjects at baseline and seven to 30 days later, an additional sample was collected from gingivitis subjects seven to 30 days post-dental prophylaxis. Clinical parameters of [periodontal disease](#) were recorded at baseline and the final visit. Salivary concentrations were measured using Luminex.

Gingivitis subjects had significantly higher bleeding on probing (BOP), plaque index and gingival index than healthy subjects (P

Citation: Salivary biomarkers of gingivitis: Information important for personalized decision-making (2014, March 21) retrieved 2 May 2024 from <https://medicalxpress.com/news/2014-03-salivary-biomarkers-gingivitis-important-personalized.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.