

PocketPerio



Researchers at UTHealth have created the PocketPerio to aid dental professionals to enhance the accuracy of diagnosis of periodontal diseases and conditions according to standard guidelines released in 2017 through a streamlined application that allows for quick identification of prognosis with built in links to diagnostic references.

Background

In 2017, the updated classification of Periodontal and Peri-implant Diseases and Conditions was proposed and recommended for its use by the American Academy of Periodontology and the European Federation of Periodontology. The proposed changes were summarized in 20 articles simultaneously published in the *Journal of Periodontology* and *Journal of Clinical Periodontology* in June 2018. Feedback provided by periodontists, other dental specialists, general dentists, and undergraduate dental students has suggested that they found the new classification challenging to comprehend and apply chairside, therefore potentially introducing a risk of patient mismanagement.

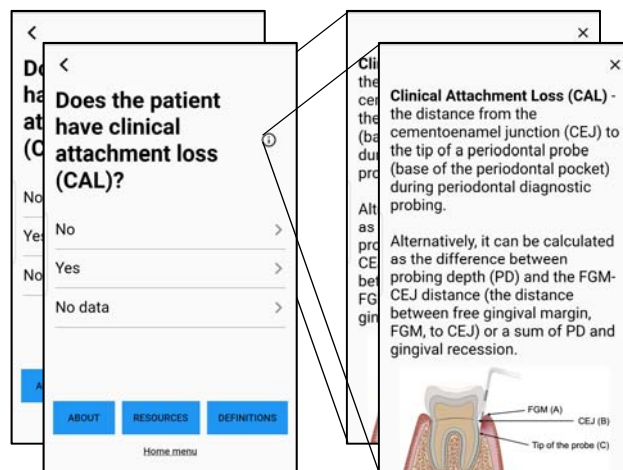
Technology Overview

Researchers at UTHealth have developed the PocketPerio phone application to enhance learner's understanding of the 2017 Classification and apply it to the dentist's chairside to make more accurate and consistent periodontal diagnoses.

Each proposed diagnosis follows by the suggested treatment approaches.

Both proposed diagnoses and treatment suggestions are based on the available evidence in the literature, including the publications released by the AAP in the special "2017 Classification" issues of the *Journal of Periodontology* and *Journal of Clinical Periodontology* in June 2018.

Example Screen Shot:



For more information, please contact:
Christine E. Flynn, Ph.D.
The Office of Technology Management
(713) 500-3383
Christine.Flynn@uth.tmc.edu

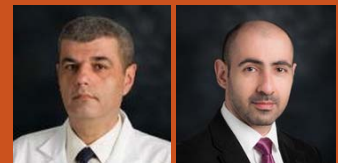
Intellectual Property Status

Software available for licensing.

Referenced Publications

Caton, J, Armitage, G, Berglundh, T, et al. *J Periodontol.* 2018; 89 or *J Clin Periodontol.* 2018; 45

About the Creators



Nikola Angelov, DDS, MS, PhD is Professor and Chair of the Department of Periodontics and Dental Hygiene at UTHealth School of Dentistry at Houston.

Karren Komitas, DMD, MDSc, PhD is an Assistant Professor in the Department of Periodontics and Dental Hygiene at UTHealth School of Dentistry at Houston.