

AAO Foundation Final Report

Principal Investigator	Onur Kadioglu, D.D.S., M.S.
Co-Investigator	-
Secondary Investigators	-
Award Type	Orthodontic Faculty Development Fellowship
Project Title	Faculty Development Plan
Project Year	2013
Institution	University of Oklahoma
<p>Summary</p> <p>The Robert E. Gaylord Teaching Fellowship Award has helped me fund my faculty development by allowing me to attend the two-year McLaughlin orthodontic program in San Diego, CA. This two-year in-office course involves six 3 to 4 daylong sessions and provides extensive clinical training that focuses on the treatment mechanics, management of the dentition, surgical treatment plans and management of TMD patients. This course proved to be an excellent opportunity to broaden my knowledge in these areas and help me strengthen the content of the clinical courses that I teach to our graduate orthodontic students. I have completed the first five sessions and the sixth session is scheduled in December 2014.</p> <p>The remainder of the funding was used to augment the progress of our ongoing research projects related to the longitudinal assessment of current orthodontic treatment modalities with the expanded use of new technology. We have been investigating changes in the alveolar bone and the airway on patients undergoing various modes of corrective orthodontics using CBCT. Comparisons to our longitudinal data set from the Denver Growth Study along with the digitization of all components of this legacy collection are also progressing.</p> <p>Additionally, I was able to allocate part of the funding to improving our computer hardware and software that we utilize for these studies and purchased additional books to complement my library.</p> <p>I am grateful to the AAOF for this opportunity.</p>	
Were the original, specific aims of the proposal realized?	All objectives that were listed in the faculty development plan were realized.
Were the results published? If not, are there plans to publish? If not, why not?	A newly developed evaluation method for the alveolar bone is in press. "Digital tooth-based superimposition method for assessment of alveolar bone levels on CBCT images. Romero-Delmastro AA, Kadioglu O, Currier GF, Cook T. Am J Orthod Dentofacial Orthop. 2014. In Press."

	<p>Part of the remaining information has been presented at the AAO meeting in New Orleans, LA, 25-29 April 2014, (Application of CBCT in Various Modes of Corrective Orthodontic Treatment. Kadioglu O.), and currently in the process for publication.</p>
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