

## AAO Foundation Award Final Report

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Co-Investigator	
Secondary Investigators	Advisors: M. A. Fisher, DDS, MPH, PhD; M. G. Hans, DDS, MSD; L. E. Johnston, DDS, MS, PhD
Award Type	T. M. Graber Teaching Fellowship Award 2007-2008
Project Title	Developing a Comprehensive Searchable Data Base of Orthodontic Records Used in Conjunction with the CBCT
Project Year	2007-2008
Institution	Case Western Reserve University
Summary/Abstract (250 word maximum)	<p>The AAOF Faculty Development Fellowship Award provided me with the opportunity to develop a design template for orthodontic management software that could be suited to university orthodontic training programs. With this grant, my role was to coordinate and direct the design and implementation of a program in our department and to prepare the entire project for sharing with other orthodontic programs. The original implementation goals of an individual software program being used as a data base collection have been obtained. However, making it a standardized template model that could be used generically by all orthodontic schools will take some more work.</p> <p>The individual needs of the separate schools make it difficult to come up with a common data base that can be shared by all. To unify some of the problems, an open-source data base was identified. This software is free to universities and is well-supported by the Centers for Disease Control and Prevention. A list of variables was identified that matched the needs of our Department and could easily be used by other departments. These variables were introduced into a prototype data entry form to collect treatment variables and outcome measures. No research or processing of the results has been attempted yet. It takes time to build a significant data base. But once done, it can assist in moving orthodontic studies up the hierarchy of evidence-based data to include more randomized clinical trials. Time was spent on researching HIPAA and IRB requirements for such a data collection system.</p>
Were the original, specific aims of the proposal realized?	Yes and No. It is a time consuming task to successfully record all appropriate data the might be used in the future. I did not find a template that could easily be used by all schools.

Were the results published? If not, are there plans to publish? If not, why not?	A manuscript has been prepared and submitted, but it was not accepted. Modifications to the manuscript are being prepared.
Have the results of this proposal been presented? If so, when and where? If not, are there plans to do so? If not, why not?	The results were presented in poster format at the AAO meeting in Denver, 2008.