



College of Dentistry  
Department of Orthodontics

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April 29, 2011

Robert Hazel  
Executive Vice President  
AAO Foundation  
401 Lindbergh Blvd  
St. Louis, MO 63141

Dear Mr. Hazel

Re: Final report for 2001-02 AAO Foundation Orthodontic Faculty Development Award.

I would like to thank the AAO Foundation for all of their support for the past five years. This was a very busy year for me having been involved in many departmental activities including teaching, research and service.

**In the area of teaching my activities included:**

- Participated in graduate orthodontic teaching that included A) lectures (biology of tooth supporting structure), B) case presentation, C) clinic supervision and D) journal club
- Participated in undergraduate preclinical conference.
- Gave 2 hour lecture for the freshman dental biochemistry class.
- Gave 4- 1 hour lecture for graduate oral biology class.

**In the area of research my activities included:**

- 1) The RO3 grant entitled "integrins and orthodontic tooth movement" which was submitted in November of 99 to the NIH/NIDCR was funded September 2001. I have begun work on this grant.
- 2) Co-Investigator on the NIH/NIDCR RO1 study "Timing of treatment for Class II treatment". This grant on April 1, 2001 received four more years of funding.
- 3) Co-Investigator on the clinical trial study funded by the INVISALIGN corporation "A prospective randomized trial evaluating the design of attachments for extrusion, rotation and intrusion of teeth with ALIGN appliances"
- 4) Analyzed data on Orthosurgery study.
- 5) Analyzed data on Class II study.
- 6) Served mentor for
  - a) Dr Deborah Ferrer
  - b) Dr. Leandra Dopazo
  - c) Dr Heather Burch

7) Serving as mentor for the first and second year residents.

### **Manuscripts Accepted**

1. Dolce C, Hatch JP, Van Sickels JE, Rugh JD. Rigid versus wire fixation for mandibular advancement: five-year skeletal and dental changes. Accepted October 2001. American Journal of Orthodontics and Dentofacial Orthopedics.
2. Dolce C, Babb LK, McGorray SP, Taylor MG, King GJ, Wheeler TT. Vertical skeletal and dental changes in early treatment of Class II malocclusion. Accepted September 2001, Seminars in Orthodontics.
3. Dolce C, Malone JS, Wheeler TT. Current concepts in the biology of orthodontic tooth movement. Accepted July 2001.
4. Dolce C, Hatch JP, Van Sickels, JE, Bays RA, Rugh JD. A Comparison of Skeletal and Dental Changes Between Rigid and Wire Fixation for Bilateral Sagittal Split Osteotomy. Accepted July 2001. Seminars in Orthodontics.
5. Van Sickels JE, Hatch JP, Dolce C, Bays RA, Rugh JD. Effects of age, amount of advancement and genioplasty on neurosensory disturbance following a BSSO. J Oral Maxillofac Surg.

### **Abstracts published:**

- 1 Perce SM, McGorray SP, Dolce C, King GJ, Taylor MG, Wheeler TT. PAR Index Relapse Following Treatment for Class II Malocclusion. J Dent Res 81: 2383, 2002.
- 2 Dolce C, Hatch JP, Van Sickels, JE, Rugh JD. Five year Hard to Soft Tissue Correlations Following BSSO. J Dent Res 81: 3205, 2002.

### **In the area of service my activities included:**

Admission committee for residents.

Presented at the AADR meeting, March 2001.

Member of the following committee

- a) Faculty senate
- b) Elected to SPEC (Student Performance Evaluation Committee)

Editorial Boards

ad hoc reviewer for Journal of Dental Research

ad hoc reviewer for Archives of Oral Biology

ad hoc reviewer for Journal of Bone and Mineral Research

ad hoc reviewer for American Journal of Orthodontics and Dentofacial Orthopedics

ad hoc reviewer for Cytokine

ad hoc reviewer for DentoMaxilloFacial Radiology

Invited talks

October, 2001 – New Jersey School of Dental Medicine.

January, 2002 - University of Texas Health Science Center at San Antonio.

April, 2002 - Align Corporation

**In the fall of 2001 I applied for promotion and tenure. In the spring of 2002 I was awarded tenure and promoted to associate professor.**

I have used the money to supplement my salary and for travel to orthodontic meetings. I would like to thank the AAO Foundation for their support for the advancement Orthodontics.

Sincerely,

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