

### AAO Foundation Award Final Report (Willie and Earl Shepard Award)

Principal Investigator	Dr. Sarandeep Huja
Co- Investigator	None
Secondary Investigators	None
Award Type	American Association of Orthodontists Foundation for Faculty Development
Project title	None
Project year	2004-2005
Institution	The Ohio State University College of Dentistry

#### Summary/Abstract:

The award money was used to pay back loan money that I had generously from Indiana University School of Dentistry during my Orthodontic Training (1997-1999). I have been at OSU for 7 yrs and am a tenured Associate Professor. The teaching fellowship specific aims have been realized.

#### Activities during the award period:

Submission of a four grants: R01 (July 04), K08 (October 04), R21 (October 04), R01 (June 2005). I am co-I on the R01 and R21, and PI on K08 award.

1. Primary author and co-author for two Chapters, Monograph for the Moyers Symposium, Ann Arbor on Implant Anchorage in Orthodontics
2. Authored/Co-authored 4 Abstract at IADR meeting in Baltimore 2005.
3. Presented at the AAO meeting in San Francisco on Biologic Basis of Miniimplants
4. Teaching and further development of Bone and Biomechanics Course of the Orthodontic residents. This course did not exist at the Ohio State University College of Dentistry. I teach basic bone physiology and microanatomy, principles of engineering stress and strain, biology of tooth movement, forces during orthodontic tooth movement, and details of biomechanics of tooth movement.
5. Teaching in the Predoctoral Curriculum (DENT 6565). This is one of the main courses that Predoctoral Students take in Orthodontics
6. MS Thesis Advisor to 2 orthodontic residents
7. PhD Advisor to one graduate student

#### Other:

1. I have been an ad hoc reviewer for the AJO-DO and Journal of Dental Research.
2. I have provided service to the Section of Orthodontics by being a member on the orthodontic admissions committee and being the

Research Director for the Section for its 15 MS Graduate  
Orthodontic Residents.

3. Search Committee Member for Section Head for Orthodontics.