

## AAO Foundation Award Final Report

Principal Investigator	Brian Nebbe
Co-Investigator	Paul Major
Secondary Investigators	Carlos Flores-Mir
Award Type	Biomedical Research
Project Title	Adolescent TMJ and Craniofacial Morphology - a Longitudinal assessment
Project Year	2000
Institution	University of Alberta
Summary/Abstract	<p>Magnetic resonance imaging of the TMJ's were obtained from 194 adolescent individuals between 1994 and 1996. Repeat imaging was carried out on the same sample of adolescents from 1999 - 2000. 113 individuals returned for imaging of the joints as well as cephalometric evaluation. From this longitudinal data the following research has been generated to date:</p> <p>2001 - Adolescent Facial Form and TMJ: A Longitudinal Evaluation. American Association of Orthodontists Annual Session and International Orthodontic Congress, Toronto, Canada</p> <p>2002 - A Clinical Overview of Presenting Features in Adolescent TMJ Edward H Angle Society - Northwestern Component Vancouver, Canada</p> <p>2002 - A Clinical Overview of Presenting Features in Adolescent TMJ Korean Association of Orthodontists, 35th Scientific Congress, Seoul, South Korea</p> <p>2005 - submitted for publication - Longitudinal study on TMJ disk status and craniofacial growth - AJODO</p> <p>2005 - research underway - Alteration in mandibular morphology associated with adolescent TMJ disc displacement</p>