

AAO Foundation Award Final Report

Principal Investigator	J. Moody Alexander, DDS, MS
Co-Investigator	
Secondary Investigators	Peter H. Buschang, BA, MA, PhD
Award Type	Research
Project Title	A comparative Study of Orthodontic Stability in Class I Extraction Cases
Project Year	1995
Institution	Baylor College of Dentistry
Summary/Abstract	<p>The purpose of the study was to compare Angle Class I extraction cases that presented with stability at least ten years out of retention versus those with unstable results. The sample consisted of 97 cases, 57 from the University of Washington database and 40 from two private practices in the Dallas area. The results found significant differences between the groups pretreatment status, with the unstable group having significantly more crowding, overjet and overbite. The unstable group showed significantly more vertical growth during treatment and posttreatment. No clinically significant treatment differences were seen between the groups except for those explainable by significant pretreatment differences. The stable group exhibited remarkable stability of 12 years out of retention with an irregularity increase of 0.3mm. Pretreatment status and vertical growth during treatment and posttreatment were valuable predictors of longterm stability.</p>