

## ***CURRICULUM VITAE***

**Name:** R. Matthew Miner

**Office Addresses:** 325 River Ridge Drive, Norwood, MA 02062  
One Lyons Street, Dedham, MA 02026

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### **EDUCATION AND TRAINING:**

#### **Education:**

A.B. Colby College, Maine

D.D.S. College of Dentistry, New York University, New York

#### **Postdoctoral Training:**

##### **Residency:**

General Practice Residency, Englewood Hospital, New Jersey

##### **Clinical Fellowship:**

Clinical Fellow in Orthodontics, Harvard School of Dental Medicine

#### **Licensure and Specialty Credentials:**

Commonwealth of Massachusetts 11829

State of New Hampshire 1284

Member, American Association of Orthodontists

Member, American Lingual Orthodontic Association

Board Certified Diplomate, American Board of Orthodontics

Member, College of Diplomates, American Board of Orthodontics

Regular Member, Edward H. Angle Society

### **PROFESSIONAL APPOINTMENTS:**

**Academic Appointments:**

- Instructor in Orthodontics,  
Harvard School of Dental Medicine, Boston
- Postdoctoral Program Director, Department of Orthodontics,  
Harvard School of Dental Medicine, Boston
- Acting Head, Department of Orthodontics and Dentofacial Orthopedics,  
Harvard School of Dental Medicine, Boston
- Assistant Clinical Professor, Department of Growth and Development,  
Division of Orthodontics, Harvard School of Dental Medicine, Boston
- Assistant Clinical Professor, Department of Developmental Biology,  
Division of Orthodontics, Harvard School of Dental Medicine, Boston
- Associate Clinical Professor, Department of Orthodontics, Tufts University School of  
Dental Medicine, Boston
- Adjunct Clinical Professor, Department of Orthodontics and Dentofacial Orthopedics,  
Boston University Henry M Goldman School of Dental Medicine

**Hospital Appointments:**

- Staff Associate in Orthodontics, Forsyth Dental Center, Boston
- Consultant in Orthodontics, Predoctoral Training Program,  
Veterans Administration Hospital, West Roxbury, MA

**Military Service:**

- Lieutenant JG, United States Naval Reserve, New York, NY
- Lieutenant, United States Navy Dental Corp, Virginia Beach, VA

**Other Professional Positions:**

- Member, Board of Directors, Dedham Medical Associates, Inc.  
Dedham, Massachusetts
- President, Board of Directors and CEO, Dedham Medical Associates, Inc.,  
Dedham, Massachusetts
- Member, Board of Trustees, Dedham Medical Associates, Inc.  
Dedham, Massachusetts

**AWARDS AND HONORS:**

Outstanding Teacher in Orthodontics, Forsyth Dental Center

Omicron Kappa Upsilon, Dental Honor Society

Note Speaker, Postdoctoral Graduation, Department of Orthodontics, Department of Orthodontics and Dentofacial Orthopedics, Harvard School of Dental Medicine

**ACADEMIC COMMITTEE ASSIGNMENTS:**

Examining Committee, Patient Review, Department of Orthodontics and Dentofacial Orthopedics, Harvard School of Dental Medicine

Admissions Committee, Department of Orthodontics and Dentofacial Orthopedics, Harvard School of Dental Medicine

Chair, Admissions Committee, Department of Orthodontics and Dentofacial Orthopedics, Harvard School of Dental Medicine

Chair, Admissions Committee, Department of Orthodontics and Dentofacial Orthopedics, Harvard School of Dental Medicine

Chair, Technology Committee, Division of Orthodontics and Dentofacial Orthopedics, Department of Growth and Development, Harvard School of Dental Medicine

Examining Committee, Patient Review, Division of Orthodontics, Department of Oral and Developmental Biology, Harvard School of Dental Medicine

Faculty Search Committee, Department of Oral and Developmental Biology, Division of Orthodontics, Harvard School of Dental Medicine

Orthodontic Research Committee, Department of Developmental Biology, Division of Orthodontics, Harvard School of Dental Medicine

Advanced Graduate Education Orthodontics Task Force, Department of Oral Biology, Harvard School of Dental Medicine

Examining Committee, Patient Review, Department of Orthodontics and Dentofacial Orthopedics, Harvard School of Dental Medicine

**PROFESSIONAL MEMBERSHIPS AND OFFICES HELD:**

American Dental Association

American Association of Orthodontists

Parkway Dental Society

American Academy of Dental Science

Harvard Odontological Society

American Lingual Orthodontic Association

American Board of Orthodontics

College of Diplomates, American Board of Orthodontics

Edward H. Angle Society of Orthodontists

Harvard Society for the Advancement of Orthodontics

Bylaws Committee Chair, Harvard Society for the Advancement of Orthodontics

Chairman of Orthodontic Session, Scientific Committee, Yankee Dental Congress

Presiding Chair, Orthodontic Session, Vincent Kockich

Secretary, Harvard Society for the Advancement of Orthodontics

University Vice President, Harvard Society for the Advancement of Orthodontics

New England Orthodontic Study Club

Local Arrangements Chair, Eastern Component, Edward H Angle Society, Boston, MA  
Chair, Bylaws Committee, Eastern Component, Edward H Angle Society  
Publisher & Editor, Local Arrangements Manual, Eastern Component,  
Edward H Angle Society  
Chair, College of Diplomate of American Board of Orthodontics Meeting, Northeast  
Society of Orthodontics Annual Meeting, Boston, MA, Dec.  
Editor, Eastern Component, Edward H Angle Society  
Local Arrangements Chair, Eastern Component, Edward H Angle Society, Boston, MA  
Biennial Planning Committee, 2007 National Angle Biennial Meeting  
Vice-President, Eastern Component, Edward H. Angle Society  
President-Elect and Program Chair, Eastern Component, Edward H. Angle Society,  
President, Eastern Component, Edward H. Angle Society  
Board Member, American Lingual Orthodontic Association  
Registration Chair, National Angle Biennial Meeting, Quebec City, Quebec, Canada  
Nominations Committee, 1<sup>st</sup> Past President, Eastern Component, Edward H. Angle Soc  
Board Member, American Lingual Orthodontic Association  
Local Arrangement Chair, Annual National Meeting, American Association of  
Orthodontists, Boston, Massachusetts  
Nominations Committee, 2<sup>nd</sup> Past President, Eastern Component, Edward H. Angle Soc  
Board Member, American Lingual Orthodontic Association  
Nominations Committee, 1st Past President, Eastern Component, Edward H. Angle Soc  
American Association of Lingual Orthodontics, Board Member, Secretary and  
Nominations Chair

## **TEACHING CONTRIBUTION:**

### **Local**

Clinical supervision, lectures, and course direction for orthodontic Pre-doctoral students,  
Harvard School of Dental Medicine  
Clinical supervision, lectures, and course direction for orthodontic Post-doctoral fellows,  
Harvard School of Dental Medicine  
Exclusive faculty teaching Lingual Orthodontic Therapy,  
Harvard School of Dental Medicine  
Exclusive faculty teaching Non-Compliance Mechanics Therapy,  
Harvard School of Dental Medicine  
Scientific presentation: Retrospective of Orthodontics at Crossroads, Boston, Harvard  
Society for the Advancement of Orthodontics  
Scientific presentation: Retention report and circumferential supracrestal fiberotomies,  
New England Orthodontic Study Club, Boston, MA  
Case Presentation: diagnostic challenges, New England Orthodontic Study Club, Boston,  
MA  
Scientific presentation: Multi-use bracket for canine retraction, New England Orthodontic  
Study Club, Boston, MA  
Research Advisor, Tufts University School of Dental Medicine, Dept of Orthodontics,  
Boston, MA  
Research Advisor, Boston University School of Dental Medicine, Dept of Orthodontics  
and Dentofacial Orthopedics

### **Regional and National/International**

Scientific presentation: Lingual orthodontics as a straightwire appliance, New York, NY, Northeastern Society of Orthodontists  
Case presentation: Palatal expansion treatment, Washington, D.C., Edward H. Angle Society of Orthodontists  
Scientific discussion: Determination of sagittal skeletal discrepancies by cephalometric analysis, Boston, MA, Edward H Angle Society of Orthodontists  
Scientific presentation: Imaging skeletal relationships by integration of CAT and surface laser scanned images, New York, NY, Edward H. Angle Society of Orthodontists  
Scientific discussion: LeFort I osteotomies for sagittal discrepancies, New York, NY, Edward H. Angle Society of Orthodontists  
Scientific paper: Lingual appliance therapy. Washington, D.C., Edward H. Angle Society of Orthodontists  
Scientific paper: Lingual Orthodontics, Boston, MA, Harvard Society for the Advancement of Orthodontics  
Scientific paper: Approaches to orthodontic rotational relapse, Annapolis, MD, Edward H. Angle Society of Orthodontists  
Scientific presentation: Simplified circumferential supracrestal fiberotomies, an easier approach, Orlando, FL, Northeastern Society of Orthodontists  
Scientific presentation: Overcoming the Problems of Straightwire, Guadalajara, Mexico, XXXII Congreso Annual Asociación Mexicana de Ortodoncia  
Scientific presentation: Indirect Bonding, Guadalajara, Mexico, XXXII Congreso Annual Asociación Mexicana de Ortodoncia  
Scientific presentation: Retention and Rotational Relapse, Guadalajara, Mexico, XXXII Congreso Annual Asociación Mexicana de Ortodoncia  
Scientific discussion: Extradental Intraoral Anchorage, Providence, RI, Edward H. Angle Society of Orthodontists  
Scientific presentation: Lingual Orthodontics: Development and Use, Department of Orthodontics, University of Illinois at Chicago  
Scientific presentation: Variants of Human Mandibular Arch Form. Paget, Bermuda, Eastern Component, Edward H. Angle Society of Orthodontists  
Table Clinic Presentation, Comparison of Children's Computer-Imaged Profiles as Perceived by Patients, Parents, and Clinicians, American Association of Orthodontists, Annual Session, Toronto, Canada  
Scientific presentation: Transverse Asymmetry. Toronto, Canada, Edward H. Angle Society of Orthodontists  
Scientific Session, Two-Day Course: Basic and Advanced PowerPoint Workshop. St. Petersburg, FL, Edward H. Angle Society of Orthodontists  
Scientific Presentation: OrthoCAD iQ- It's about time, Seattle, WA, American Association of Orthodontists Annual Meeting- Trade Exhibition  
Scientific Presentation: Technology and the Transverse, Boston MA, Northeast Society of Orthodontists  
Scientific Presentation, "It's About Time" Seminar, Seattle WA, Pinnacle Practices, Inc  
Scientific Presentation: Finishing before you begin, Orthodontic Specialty Symposium, Boston, MA, Yankee Dental Congress 33 and the Massachusetts Association of Orthodontists

Scientific Presentation: Untangling the Transverse, Charleston, SC, Eastern Component, Edward H. Angle Society of Orthodontists  
Scientific Presentation, Untangling the Transverse with CBCT, Boston, MA, American Association of Orthodontist Annual Meeting  
Scientific Presentation, Intraoral Scanning: No More Impressions, Boston, MA, American Association of Orthodontist Annual Meeting  
Scientific Presentation: OrthoCAD Digital Technology for the Orthodontic Practice, Boston MA, American Association of Orthodontists Annual Meeting- Trade Exhibition  
Scientific Presentation: Digital Impressions and practice opportunities: doctors' perspective, New York, NY, Northeast Society of Orthodontists 88<sup>th</sup> Annual Meeting  
Scientific Presentation: Digital Impressions and practice opportunities: staffs' perspective, New York, NY, Northeast Society of Orthodontists 88<sup>th</sup> Annual Meeting  
Scientific Poster Presentation: Dental and basal widths of crowded mandibular arch in Japanese population, Ikuyo H, Hisa I, Arai K, Will L, Miner R, Washington DC, American Association of Orthodontists Annual Meeting  
Scientific Presentation, Untangling the Transverse, with L Will, American Association of Orthodontists Annual Meeting, Chicago, IL

**Major Research Interest:**

Clinical correlation of tooth emergence with root length, Forsyth Dental Center, Boston MA  
Lingual mechanotherapy, Harvard School of Dental Medicine, Boston MA  
Experimental studies in response to fully preadjusted appliance mechanotherapy, Harvard School of Dental Medicine, Boston MA  
Diagnostic studies utilizing digital imaging, Harvard School of Dental Medicine, Boston MA  
Rotational relapse of corrected occlusal abnormalities, Harvard School of Dental Medicine, Boston MA  
Experimental studies in response to Non-Compliance Mechanotherapy, Harvard School of Dental Medicine, Boston MA  
Clinical use of dental implants for orthodontic anchorage, Harvard School of Dental Medicine, Boston MA  
Human mandibular arch form analysis, Harvard, Tufts Schools of Dental Medicine, Boston MA  
Computer generated profile and perception of profiles, Harvard School of Dental Medicine, Boston MA  
Dental arch asymmetry, Harvard School of Dental Medicine Boston MA  
Transverse skeletal and dental relationships, Harvard, Tufts Schools of Dental Medicine, Boston MA  
CBCT Imaging technology and 3 dimensional standards, Harvard, Tufts Dental Schools of Dental Medicine, Boston MA

**Sponsored Research Projects:**

Independent research, Ulku Canyurek, Determination of human mandibular arch form. Harvard School of Dental Medicine  
Master's thesis, Blaine Langberg, DMD, An assessment of dental and skeletal asymmetry and condylar position in adult patients with posterior unilateral lingual crossbite. Harvard School of Dental Medicine  
Predoctoral Thesis, Valerie Ronay Comparison of Human mandibular dental arch form from dental and basal arches in Class I patients. Harvard School of Dental Medicine  
Predoctoral Thesis, Randy Balls, Comparison of Human mandibular dental arch form from dental and basal arches in Class II patients. Harvard School of Dental Medicine  
Doctoral Thesis, Maurico Berco, Human cephalometric and facial 3-dimensional standards utilizing Cone Beam Computed Tomographic scans, Harvard School of Dental Medicine  
Master's Thesis, Manny Lamichane, Reliability of compressed 3-dimensional images from Cone Beam Computed Tomographic Images, Harvard School of Dental Medicine  
Predoctoral Thesis, Deepak Gupta, Comparison of Human mandibular dental arch form from dental and basal arches at varying basal bone heights. Harvard School of Dental Medicine  
Master's Thesis, Thomas Whenham, 3-dimensional analysis of Temporo-mandibular changes associated with OA using Cone Beam Computed Tomographic scans, Harvard School of Dental Medicine  
Doctoral Thesis, Salem AlQabandi, Transverse 3-dimensional analysis utilizing Cone Beam Computed Tomographic scans, Harvard School of Dental Medicine  
Masters Thesis, Tu-Tien Lin, The relationship between Dental and Basal Anatomy in Class I Malocclusions using CBCT scans., Tufts University School of Dental Medicine.  
Masters Thesis, Moonyoung Lee, The use of cone beam CT scans to approximate maxillary and mandibular basal bone: Newly defined landmarks for a three dimensionally based cephalometric analysis, Tufts University School of Dental Medicine.

**PROFESSIONAL CONSULTING:**

**Journal Referee:**

*The Angle Orthodontist*, Robert J. Isaacson, Editor

**Legal Consulting:**

Malpractice case evaluation  
Malpractice case evaluation

**Cadent Corporation**

Cadent Corporation, OrthoCAD Division, consultant and advisor

**PUBLICATIONS:**

- 1993 Miner RM & Moorrees CFA, Retrospective, in Orthodontics at Crossroads, Trends in Contemporary Orthodontics, ed by Moorrees CFA and Ghafari J, Superior Sales, Toronto
- 2001 Editor & Publisher, *AngleEast* Newsletter, Volume 2 Issue 1, January 2001
- 2002 Editor & Publisher, *AngleEast* Newsletter, Volume 3 Issue 1, January 2002
- 2002 Editor & Publisher, *AngleEast* Newsletter, Volume 4 Issue 1, January 2003
- 2003 Editor & Publisher, *AngleEast* Newsletter, Volume 5 Issue 1, January 2004
- 2005 Langberg, BJ, Arai K, Miner RM, Transverse skeletal and dental asymmetry in adults with unilateral posterior crossbite, *Am J Orthod Dentofacial Orthop*, 127:1, 2005;6-16
- 2007 Miner, R M, Advanced Placement: How one orthodontist ended his search for optimal bracket position, *Orthodontic Products*, Oct, Ascend Media, 2007
- 2007 Miner RM, Anderson, NK, Evans CA, Giddon DB, The perception of children's computer-imaged facial profiles by patients, mothers and clinicians, *Angle Orthod*, 77:6 2007; 1034-1039.
- 2008 Ronay V, Miner RM, Will LA and Arai K, Mandibular arch form: the relationship between dental and basal anatomy, *Am J Orthod Dentofacial Orthop*, 2008 Sep: 134(3): 430-8.
- 2009 Berco M, , Rigali PH Jr, Miner RM, DeLuca S, Anderson NK, Will LA , Accuracy and reliability of linear cephalometric measurements obtained from cone beam computed tomography scans of a dry human skull, *Am J Orthod Dentofacial Orthop*, 2009 July: 136(1): 17 (online)
- 2010 Gupta D, Miner RM, Arai K, Will LA, Comparison of adult and child arch form in Class I and Class II division 1 occlusions, *Am J Orthod Dentofacial Orthop*, 2010 Jul;138(1):10.e1-8; discussion 10-1.
- 2010 Ball RL, Miner RM, Will LA, Arai K, Comparison of dental and apical base arch form in Class I and Class II malocclusions *Am J Orthod Dentofacial Orthop*, 2010 Jul;138(1):41-50
- 2010 Al-Qabandi S, Miner Miner RM, Alqabandi S, Rigali PH, Will LA Comparison of conventional cephalograms with cone beam computed tomography synthesized PA cephalograms. *Am J Orthod Dentofacial Orthop*, In revision.
- 2010 Miner RM, Alqabandi S, Rigali PH, Will LA. A CBCT Transverse Analysis Part I. Normative Data, *Am J Orthod Dentofacial Orthop*, In revision.