

## CURRICULUM VITAE

**Name: ARZU ARI DEMİRKAYA**

**Title: Professor**

### Education

Degree	Faculty / Department	University	Year
DDS	Faculty Of Dentistry	Istanbul University	1987 - 1992
PhD	Department of Ortodontics	Marmara University	1994 - 1999

**PhD Dissertation:** Examination of condylar movements and positions in deep bite and open bite cases using the SAM Articulator / Supervisor: Assoc. Prof. Sibel Biren

### Academic Titles

Title	Department	University	Year
Assistant Professor	Department of Ortodontics	Marmara University	2003
Associate Professor	Department of Ortodontics	Higher Council for Education	2009
Professor	Department of Ortodontics	Okan University	2014

### Work as Clinical Observer

1. New York University, Institute of Plastic and Reconstructive Surgery, Eylül 2001, New York, USA.

### Supervised MSc and PhD Theses

#### 1. MSc Theses

- 1.1. Mazin Al Masry. Radiographic Evaluation of Apical Root Resorption of Maxillary First Molars After Intrusion Using Zygomatic Skeletal Anchorage. Marmara University, Institute of Health Sciences, Department of Orthodontics, Master of Science Thesis, 2004. Supervisor: **Assist. Prof. Arzu Arı Demirkaya.**

1.2. Adam Haralambidis. Morphological Changes of the Nasal Cavity Induced by Rapid Maxillary Expansion. A Study on 3-D Computed Tomography Models. Marmara University, Institute of Health Sciences, Department of Orthodontics, Master of Science Thesis, 2007. Supervisor: **Assist. Prof. Arzu Arı Demirkaya.**

## 2. PhD Theses

2.1. George Litsas. Comparison of Cervical Vertebral Maturation and Hand-Wrist Skeleton Maturation as Growth Indicators in Orthodontic Patients. Marmara University, Institute of Health Sciences, Department of Orthodontics, PhD Thesis, 2005. Supervisor: **Assist. Prof. Arzu Arı Demirkaya.**

2.2. Şeniz Çaldemir. Computerized Axiographic Evaluation of Centric Occlusion-Maximum Intercuspatation Positions and Condylar Movements Before and After Relaxation Splint Therapy in Patients with Temporomandibular Disorders. Marmara University, Institute of Health Sciences, Department of Orthodontics, PhD Thesis, 2005. Supervisor: **Assist. Prof. Arzu Arı Demirkaya.**

## PUBLICATIONS

### Articles Published in International Peer Reviewed Journals (SCI and SCI-Expanded Articles)

1. Küçükkeleş N, Acar A, **Arı Demirkaya A**, Evrenol B, Enacar A. Cephalometric evaluation of open bite treatment with NiTi arch wires and anterior elastics. *American Journal of Orthodontics and Dentofacial Orthopedics* 1999; 116: 555-62.
2. **Arı Demirkaya A**, Biren S, Özkan H, Küçükkeleş N. Comparison of deep bite and open bite cases: Normative data for condylar positions, paths and radiographic appearances. *Journal of Oral Rehabilitation* 2004; 31: 1–12.
3. **Arı Demirkaya A**, Al Masry M, Erverdi N. Apical root resorption of maxillary first molars after intrusion with zygomatic skeletal anchorage. *Angle Orthodontist* 2005; 75: 633-9.

4. Kucukkeles N, Ozkan H, **Ari-Demirkaya A**, Çilingirtürk AM. Compatibility of mechanical and computerized axiographs: A pilot study. *Journal of Prosthetic Dentistry* 2005; 94: 190-4.
5. Turası B, **Arı Demirkaya A**, Biren S. Comparison of increased overjet cases and controls: Normative data for condylar positions. *Journal of Oral Rehabilitation* 2007; 34: 129-35.
6. **Ari-Demirkaya A**, İlhan I. Effects of relapse forces on periodontal status of mandibular incisors following orthognathic surgery. *Journal of Periodontology* 2008; 79: 2069-77.
7. Haralambidis A, **Ari-Demirkaya A**, Acar A, Küçükkeleş N, Ateş M, Ozkaya S. Morphologic changes of the nasal cavity induced by rapid maxillary expansion: a study on 3-dimensional computed tomography models. *American Journal of Orthodontics and Dentofacial Orthopedics* 2009; 136: 815-21.
8. Litsas G, **Ari-Demirkaya A**. Growth indicators in orthodontic patients. Part 1: comparison of cervical vertebral maturation and hand-wrist skeletal maturation. *European Journal of Paediatric Dentistry* 2010; 11(4): 171-5.
9. Litsas G, **Ari-Demirkaya A**. Growth indicators in orthodontic patients. Part 2: comparison of cervical bone age to hand-wrist skeletal age. Relationship with chronological age. *European Journal of Paediatric Dentistry* 2010; 11(4): 176-80.

#### **Articles Published in International Peer Reviewed Journals**

1. **Arı Demirkaya A**. Significant improvement with limited orthodontics - Anterior crossbite in an adult patient. *Oral Health and Dental Management in the Black Sea Countries* 2007; VI: 57-63.

## Presentations Published in International Academic Conference Proceedings

1. **Biren S, Arı Demirkaya A, Küçükkeleş N.** Evaluation of condylar shape on panoramic radiographs in normal overbite, deep bite and open bite cases. 4th Congress of the Balkan Stomatological Society, 46 Abs. Nr: 16, 1999, Istanbul, Turkey.
2. **Arı Demirkaya A,** Biren S, Özkan H. Comparison of condylar paths and articulator generated condylar positions in deep bite and open bite subjects with healthy temporomandibular joints. 75th Congress of the European Orthodontic Society, European Journal of Orthodontics 21 (5), 570, Abs. Nr: 8, 1999, Strasbourg, France.
3. Uzunyıldırım B, Biren S, **Arı Demirkaya A.** Magnetic resonance imaging of CR-CO positions in non-temporomandibular joint overjet subjects. 77th Congress of the European Orthodontic Society, European Journal of Orthodontics, 23 (5), 641, Abs. Nr: 153, 2001, Ghent, Belgium.
4. Uzunyıldırım B, Biren S, **Arı Demirkaya A.** Does excessive overjet have an impact on TMJ function?. IXth Symposium on Dentofacial Development and Function, 35, Abs. Nr: 6, 2002, Istanbul, Türkiye.
5. **Arı Demirkaya A,** Alcan T. Efficiency of nasoalveolar molding in unilateral cleft lip and palate. 80th Congress of the European Orthodontic Society, European Journal of Orthodontics, 26(6), 631, e40(15), 2004, Aarhus, Denmark.
6. Efthimiadou D, Alcan T, **Arı Demirkaya A.** Presurgical nasoalveolar moulding of unilateral cleft palate patients. 80th Congress of the European Orthodontic Society, p. 410, Abs. Nr: 281, 2004, Aarhus, Denmark.
7. Efthimiadou D, **Arı Demirkaya A,** Katsikogiannis N. Presurgical nasoalveolar molding in bilateral cleft lip and palate patients. 4th Meeting of the Hellenic Dental Association, 2004, Thessaloniki, Greece.

8. İlhan I, **Ari Demirkaya A**. Presurgical nasoalveolar molding of an infant with unilateral cleftlip and palate. 6th Annual Interdisciplinary Meeting of the Israel Orthodontic Society, Abs. Nr: 45, 2005, Jerusalem, Israel.
9. Litsas G, **Ari-Demirkaya A**, Athanasiou AE. Do we really need hand-wrist radiographs? A comparison among methods. 6th International Orthodontic Congress, World Journal of Orthodontics, 6, Suppl., 52, 2005, Paris, France.
10. Çerekja E, **Ari-Demirkaya A**, Uğurlu K. Orthodontic approach in treating condylar fractures. 107th Annual Session of the American Association of Orthodontics, Abs. Nr: 20, p. 88, 2007, Seattle, USA.
11. Üşümez S, Ramoğlu İ, **Ari-Demirkaya A**. Quality evaluation of orthodontic information on the 'World Wide Web'. 83rd Congress of the European Orthodontic Society, pp. 43-44, 2007, Berlin, Germany.
12. **Ari-Demirkaya A**, İlhan I. Periodontal effects of post-operative relapse forces on mandibular incisors. 83rd Congress of the European Orthodontic Society, p.110, Abs. Nr: 81, 2007, Berlin, Germany.
13. Haralambidis A, **Ari-Demirkaya A**, Acar A, Küçükkeleş N, Ateş M. 3-D CT evaluation of nasal volume changes induced by rapid maxillary expansion. 84th Congress of the European Orthodontic Society, accepted for oral presentation, 2008, Lisbon, Portugal.
14. Andreopoulos IN, **Demirkaya AA**, Acar A. 3D Analysis in Face/Maxilla of Unilateral CLP after presurgical NAM. IADR/AADR/CADR 91st General Session, J Dent Res 92 (Spec Iss A): 407, 2013, Seattle, Washington, USA.
15. Andreopoulos IN, Coşkuner Gönül B, **Ari Demirkaya A**, Acar A. 3D Analysis of Morphological Changes in the Face and Maxilla of Patients with Unilateral Cleft Lip and Palate (CLP) after presurgical Nasoalveolar Molding (NAM). AAO Annual Session, 2013, Philadelphia, USA.

## Articles Published in National Peer Reviewed Journals

1. **Arı Demirkaya A**, İlhan I, Çelik P. Ortognatik cerrahi sonrası oluşan nüks kuvvetlerinin alt ön bölgenin periodontal durumuna etkisi. *Türk Ortodonti Dergisi* 2006; 19(2): 103-113.
2. Turası B, Biren S, **Arı Demirkaya A**. Sentrik ilişki-Alışılmış kapanış farkının ölçülmesinde MR ile SAM® altçene konum belirleyicisinin karşılaştırılması. *Türk Ortodonti Dergisi* 2006; 19(3): 199-208.
3. **Arı Demirkaya A**, Alcan T. Bir yenidoğan dudak-damak yarığı kliniğinin 5 yıllık çalışma profilinin değerlendirilmesi. *Türk Ortodonti Dergisi* 2007; 20(2): 110-131.
4. **Arı Demirkaya A**, Ateş M, Turan S. Üst büyükazı rotasyonları ile malokluzyonlar ve okluzal değişkenler arasındaki ilişki. *Türk Ortodonti Dergisi* 2007; 20(3): 204-111.
5. **Arı Demirkaya A**, Motro M, Yöndem C, Ateş M. Dudak damak yarıklı hastalarımız tedavi sonuçlarından ne kadar memnun? *Türk Ortodonti Dergisi* 2007; 20(3): 228-38.
6. **Arı Demirkaya A**, Alcan T, Sağır S, Çelebiler Ö. Tek taraflı dudak-damak yarıklarında nazoalveolar şekillendirme: İki olgu. *Türk Ortodonti Dergisi* 2008; 21(2): 137-45.
7. Bilhan H, Arat S, Mumcu E, **Arı Demirkaya A**. Multidisipliner yaklaşımla üst ön bölge estetiğinin ortodontik, implantolojik ve protetik tedavilerle sağlanması: Bir vaka sunumu. *İstanbul Üniversitesi Dişhekimliği Fakültesi Dergisi* 2009; 43(1-2): 45-51.
8. **Arı Demirkaya A**. Dudak damak yarıklarında ortodontik yaklaşım: Yenidoğan ve karışık dişlenme dönemleri. *Türkiye Klinikleri Journal of Plastic Surgery-Special Topics* 2011; 3(1): 50-5.

## **Presentations Published in National Academic Conference Proceedings**

1. Küçükkeleş N, Acar, A, **Arı Demirkaya A**, Evrenol B, Enacar A. Cephalometric evaluation of openbite treatment using NiTi wires and anterior elastics in adults. IVth International Congress of the Turkish Orthodontic Society, Türk Ortodonti Dergisi, 10(1): 104, Nr: 28, 1996, Antalya.
2. Güzel Z, Aydın Y, Yücel A, Aygıt C, Erverdi N, **Arı Demirkaya A**, Altıntaş F. Bimaxillary osteotomy and internal fixation in skeletal facial deformities. XIXth National Plastic and Reconstructive Surgery Congress, Abs. Nr: 157, 1997, Antalya.
3. **Arı Demirkaya A**, Biren S, Küçükkeleş N. Correlation between overbite, CR-CO discrepancy and the radiologic appearance of the mandibular condyles on panoramic radiographs. VIth International Symposium of the Turkish Orthodontic Society, p. 27, Nr:: 17, 1999, Ankara.
4. **Arı Demirkaya A**, Biren S, Özkan H. Comparison of condylar movement and maximum opening in anterior openbite and deep bite cases. Ankara Orthodontic Society, 1st International TMJ Symposium, 22, 1999, Antalya.
5. Al Masry M, **Arı Demirkaya A**, Erverdi N. Evaluation of root resorption in first maxillary molars, which are intruded using zygomatic anchorage. VIIIth International Congress of the Turkish Orthodontic Society, 55, Nr: 16, 2004, Antalya.
6. **Arı Demirkaya A**, Alcan T. Evaluation of the effects of nasoalveolar molding in unilateral cleft lip and palate patients. VIIIth International Congress of the Turkish Orthodontic Society, 41, Nr: 3, 2004, Antalya.
7. **Arı Demirkaya A**. New horizons in cleft lip and palate treatment. Keynote speaker, IXth International Symposium of the Turkish Orthodontic Society, 35, Nr: 14, 2005, Adana.

8. **Arı Demirkaya A**, İlhan I, Çelik P. Effects of relaps forces after orthognathic surgery on periodontal status of lower incisors. Xth International Congress of the Turkish Orthodontic Society, 75, Nr: 34, 2006, Istanbul.
9. Usta B, Alcan T, **Arı Demirkaya A**. Topographic, etiologic, epidemiologic and social evaluation of cleft lip and palate patients. Xth International Congress of the Turkish Orthodontic Society, 93, Nr: 55, 2006, Istanbul.
10. Sağır S, **Arı Demirkaya A**, Çelebiler Ö. Establishing symmetry of the premaxilla using nasoalveolar molding in bilateral cleft lip and palate neonates. Xth International Congress of the Turkish Orthodontic Society, 96, Nr: 57, 2006, Istanbul.
11. **Arı Demirkaya A**, Motro M., Yöndem C, Ateş M, Usta B. Patient satisfaction of cleft lip and palate treatment. Xth International Congress of the Turkish Orthodontic Society, 99, Nr: 60, 2006, Istanbul.
12. Taslan S, **Arı Demirkaya A**, Erverdi N. Correction of skeletal open bite using zygomatic anchorage. Xth International Congress of the Turkish Orthodontic Society, 115, Nr: 76, 2006, Istanbul.
13. Hameed T, Keleş A, **Arı Demirkaya A**. Skeletal and dental effects of the “Keleş Slider” appliance. Xth International Congress of the Turkish Orthodontic Society, 121, Nr: 81, 2006, Istanbul.
14. Ateş M, **Arı Demirkaya A**. Treatment of buccal nonocclusion using miniscrews. Xth International Congress of the Turkish Orthodontic Society, 125, Nr: 86, 2006, Istanbul.
15. Çerekja E, **Arı Demirkaya A**, Güzel Z. Nasoplasty combined with double-jaw surgery: A case report. Xth International Congress of the Turkish Orthodontic Society, 169, Nr: 136, 2006, Istanbul.
16. Çerekja E, **Arı Demirkaya A**, Uğurlu K. Orthodontic approach in condylar neck fracture repair: Case report. Xth International Congress of the Turkish Orthodontic Society, 170, Nr: 137, 2006, Istanbul.



17. Othman Agha M, **Arı Demirkaya A**, Küçükkeleş N, Erverdi N. Effects of the “Twin Force Bite Corrector” appliance on the maxillo-facial system in five cases. Xth International Congress of the Turkish Orthodontic Society, 171, Nr: 138, 2006, Istanbul.
18. **Arı Demirkaya A**, Ateş M, Turan Güvercin S. Relationship of maxillary first molar rotations with malocclusion occlusal factors. Xth International Congress of the Turkish Orthodontic Society, 172, Nr: 139, 2006, Istanbul.
19. Çaldemir Ş, **Arı Demirkaya A**, Erverdi N. Simultaneous canine distalization and posterior segment intrusion using zygomatic anchorage. Xth International Congress of the Turkish Orthodontic Society, 178, Nr: 145, 2006, Istanbul.
20. Salameh F, **Arı Demirkaya A**, Arun T. Compatibility of cephalometric analyses made with two different software programs compared to manual analysis. Xth International Congress of the Turkish Orthodontic Society, 198, Nr: 164, 2006, Istanbul.
21. İlhan I, **Arı Demirkaya A**, Erverdi N. Correction of skeletal openbite using zygomatic anchorage. Xth International Congress of the Turkish Orthodontic Society, 202, Nr: 168, 2006, Istanbul.

#### **Invited Lectures**

1. **Arı Demirkaya A**. Presurgical Preparation in CLP Neonates. Istanbul University, Cerrahpaşa Faculty of Medicine, Department of Plastic Reconstructive and Aesthetic Surgery, Academic Education Program, January 20, 2003, Cerrahpaşa Faculty of Medicine, Plastic Surgery Board Room, Istanbul.
2. **Arı Demirkaya A**. Presurgical Preparation in CLP Neonates. Istanbul Orthodontics Days, June 19, 2003, Mustafa Nevzat İlaç Sanayi Conference Room, Gayrettepe, Istanbul.
3. **Arı Demirkaya A**. Early and Late Orthodontic Approach in CLP Treatment. XXth National Plastic and Reconstructive Surgery Congress, Precongress Workshop, October 14, 2003, 19 Mayıs University Conference Room, Samsun.

4. **Arı Demirkaya A.** Preoperative Care and Orthodontic Evaluation in Primary CLP Cases. 1st Cerrahpaşa Plastic Surgery Days: “Cleft Lip and Palate”, April 30 - May 1, 2004, Cerrahpaşa Faculty of Medicine Auditorium, Istanbul.
5. **Arı Demirkaya A.** Orthodontic Approach in Diagnosis and Treatment of Temporomandibular Disorders. Istanbul University, Cerrahpaşa Faculty of Medicine, Department of Plastic Reconstructive and Aesthetic Surgery, Academic Education Program, March 14, 2005, Cerrahpaşa Faculty of Medicine, Plastic Surgery Board Room, Istanbul.
6. **Arı Demirkaya A.** Effects of Nasoalveolar Molding in Unilateral CLP Cases. 3rd Cerrahpaşa Plastic Surgery Days: “Orthognathic Surgery - Jaw Surgery”, June 2-3, 2006, Cerrahpaşa Faculty of Medicine Auditorium, Istanbul.
7. **Arı Demirkaya A.** Effects of Orthognathic Surgery on Temporomandibular Joint. 3rd Cerrahpaşa Plastic Surgery Days: “Orthognathic Surgery - Jaw Surgery”, June 2-3, 2006, Cerrahpaşa Faculty of Medicine Auditorium, Istanbul.
8. **Arı Demirkaya A.** Preoperative Orthopedics in Neonate Cleft Lip and Palate Patients. Invited Lecture, Annual Conference of International Medical Sciences Academy, 2006, Lahor, Pakistan.
9. **Arı Demirkaya A.** Cleft Lip and Palate Patients in the Orthodontic Office. First Palestinian Orthodontic Congress, May 6-7, 2010, Ramallah, Palestine.
10. **Arı Demirkaya A.** Temporomandibular Disorder Patients in the Orthodontic Office. First Palestinian Orthodontic Congress, May 6-7, 2010, Ramallah, Palestine.
11. **Arı Demirkaya A.** Temporomandibular Disorder Patients in the Orthodontic Office. 9th International Congress of IAO, May 18-20, 2011, Mashad, Iran.
12. **Arı Demirkaya A.** Medium-Term Results of Nasoalveolar Molding. 10th International Congress of IAO, October 21-27, 2012, Tahran, Iran.
13. **Arı Demirkaya A.** Do It Yourself: Lingual Orthodontics Using Mixed Techniques. 10th International Congress of IAO, October 21-27, 2012, Tahran, Iran.

14. **Arı Demirkaya A.** Every Way in Lingual Orthodontics. December 22, 2012, Bezmialem Valide Sultan Vakıf University, Department of Orthodontics, Istanbul.
15. **Arı Demirkaya A.** The Role of Orthodontics for Patients Born with Maxillofacial Defects. TDA 21st International Dental Congress, May 28-30, 2015, Istanbul.

### **Invited Hands-on Courses**

1. **Arı Demirkaya A,** Acar A. Treatment Planning in Orthodontics, One-day Pre-conference Course, Hands-on Workshop, Annual Conference of International Medical Sciences Academy, November 3-5, 2006, Lahor, Pakistan.
2. **Arı Demirkaya A,** Acar A. Lower Anterior Intrusion Mechanics, One-day Pre-conference Course, Hands-on Workshop, Annual Conference of International Medical Sciences Academy, November 3-5, 2006, Lahor, Pakistan.
3. **Arı Demirkaya A.** Practice and Common Mistakes in Application of Nasoalveolar Molding, Workshop and 4-hour Course, 10th International Congress of IAO, October 21- 27, 2012, Tahrán, Iran.

### **Administrational Tasks**

1. Dentistanbul Dental Hospital, Head of the Department of Orthodontics, 2010-2014.
2. Okan University Faculty of Dentistry, Head of the Department of Orthodontics, 02.06.2014-
3. Okan University Faculty of Dentistry, Member of the Faculty Board, 04.09.2014-
4. Okan University Faculty of Dentistry, Member of the Quality Committee, 05.09.2014-
5. Okan University Faculty of Dentistry, Member of the Scientific Research Committee, 05.09.2014-

## **Membership of Scientific / Professional Organizations**

1. Turkish Dental Association (TDB)
2. Istanbul Chamber of Dentists (İDO)
3. Turkish Orthodontic Society (TOD)
4. European Orthodontic Society (EOS)