

## Assoc. Prof. Ayça YILMAZ

### Personal Information

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### Education Information

Doctorate, İstanbul Üniversitesi, Faculty of Dentistry, Endodonti, Turkey 2003 - 2008

Undergraduate, Marmara University, Faculty Of Dentistry, Turkey 1996 - 2001

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Education Management and Planning, Eğiticinin Eğitimi, İstanbul Üniversitesi Sürekli Eğitim Uygulama ve Araştırma Merkezi, 2019

Health&Medicine, Kök Kanalının Doldurulması: Temel Prensipler, Çağdaş Yaklaşımlar Kursu, Türk Endodonti Derneği, 2016

Education Management and Planning, Editör ve Yazar 2. Eğitim Semineri, Tübitak/ İstanbul Teknik Üniversitesi, 2015

Health&Medicine, Resiprokal Sistem:WaveOne, Yeditepe Üniversitesi Diş Hekimliği Fakültesi, 2011

Health&Medicine, Ra-Ce Rotary Systems, Türk Endodonti Derneği, 2009

Education Management and Planning, Educational Lesson Series, European Endodontic Society, 2007

Health&Medicine, Ni-Ti Rotary Instruments- ProTaper, European Endodontic Society, 2007

Health&Medicine, Train The Trainer, Dentsply Maillefer, 2007

Health&Medicine, Hero Shaper ve R-Endo için Eğitici Eğitimi, Yeditepe Üniversitesi Diş Hekimliği Fakültesi, 2007

Health&Medicine, Yeni Ni-Ti Döner Alet Sistemleri – Mtwo system, Türk Endodonti Derneği, 2006

Health&Medicine, Kök kanal boşluğunun yeni bulunmuş teknikler yardımıyla üç boyutlu şekillendirilmesi, temizlenmesi ve doldurulması, Türk Endodonti Derneği, 2006

Health&Medicine, Yeni Bilgisayarlı Anestezi Tekniği Kursu, Türk Endodonti Derneği, 2002

### Dissertations

Doctorate, Farklı Döner Alet Sistemlerinin ve Farklı Kök Kanalı Doldurma Tekniklerinin Etkinliklerinin in-vitro Olarak Karşılaştırılması , İstanbul University, Faculty of Dentistry, Endodonti, 2008

### Research Areas

Health Sciences, Dentistry, Clinical Sciences, Endodontics

## Academic Titles / Tasks

Associate Professor, Istanbul University, Faculty Of Dentistry, Division Of Clinical Sciences, 2021 - Continues  
Research Assistant PhD, Istanbul University, Faculty Of Dentistry, Division Of Clinical Sciences, 2008 - 2021  
Research Assistant, Istanbul University, Faculty Of Dentistry, Division Of Clinical Sciences, 2006 - 2008

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **An Alternative Classification Scheme for Accessory Mental Foramen**  
Yalçın T. Y. , Bektas-Kayhan K, Yilmaz A., Ozcan I.  
CURRENT MEDICAL IMAGING, vol.17, no.3, pp.410-416, 2021 (Journal Indexed in SCI)
- II. **Effectiveness of Various Final Irrigation Techniques on Sealer Penetration in Curved Roots: A Confocal Laser Scanning Microscopy Study**  
YILMAZ A., YALÇIN T. Y. , Helvacioğlu-Yigit D.  
BIOMED RESEARCH INTERNATIONAL, vol.2020, 2020 (Journal Indexed in SCI)
- III. **Evaluation of Dentin Defect Formation during Retreatment with Hand and Rotary Instruments: A Micro-CT Study**  
Yilmaz A., Helvacioğlu-Yigit D., Gur C., Ersev H., Sendur G. K. , AVCU E., BAYDEMİR C., ABBOTT P. V.  
SCANNING, 2017 (Journal Indexed in SCI)
- IV. **Evaluation of dentinal defect formation after root canal preparation with two reciprocating systems and hand instruments: an in vitro study**  
Helvacioğlu-Yigit D., Aydemir S., Yilmaz A.  
BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.29, no.2, pp.368-373, 2015 (Journal Indexed in SCI)
- V. **Efficacy of Reciprocating and Rotary Systems for Removing Root Filling Material: A Micro-Computed Tomography Study**  
Helvacioğlu-Yigit D., Yilmaz A., Kiziltas-Sendur G., Aslan O. S. , Abbott P. V.  
SCANNING, vol.36, no.6, pp.576-581, 2014 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Evaluation of deformation and fracture rates for nickel-titanium rotary instruments according to the frequency of clinical use**  
Yilmaz A., Gokyay S. S. , Daglaroğlu R, Kucukay I. K.  
EUROPEAN ORAL RESEARCH, vol.52, no.2, pp.89-93, 2018 (Journal Indexed in ESCI)
- II. **Comparison of the Shaping Ability of Waveone Reciprocating Files with or without Glide Path in Simulated Curved S-shaped Root Canals**  
Yilmaz A., Kucukay E. S. , ISTEKTEPE M., SISLI S. N. , Ersev H., Karagoz-Kucukay I.  
JOURNAL OF INTERNATIONAL SOCIETY OF PREVENTIVE AND COMMUNITY DENTISTRY, vol.7, pp.13-17, 2017 (Journal Indexed in ESCI)
- III. **IN VITRO COMPARISON OF GUTTA-PERCHA-FILLED AREA PERCENTAGES IN ROOT CANALS INSTRUMENTED AND OBTURATED WITH DIFFERENT TECHNIQUES**  
Yilmaz A., Karagoz-Kucukay I.  
JOURNAL OF ISTANBUL UNIVERSITY FACULTY OF DENTISTRY, vol.51, no.2, pp.37-42, 2017 (Journal Indexed in ESCI)
- IV. **Kök Kanal Dolgu Materyallerinin Uzaklaştırılması**  
YILMAZ A., ERSEV H.  
Turkiye Klinikleri J Endod-Special Topics, vol.2, no.2, pp.13-25, 2016 (Other Refereed National Journals)
- V. **Vertical fracture resistance of roots retreated using different instrumentation techniques**  
Helvacioğlu-Yigit D., YILMAZ A., Sarıdağ S., Avcu E., Yıldırım Y.  
Turkish Endodontic Journal, vol.1, pp.1-6, 2016 (Other Refereed National Journals)
- VI. **Clinical Efficacy of Three Different Electronic Apex Locators in Comparison with Radiographic**

### **Working Length Determination**

YILMAZ A., Gökyay B., Birdal İ. S. , Küçükay S., GÖKYAY S. S.

Journal of Research and Practice in Dentistry, vol.1, pp.1-6, 2015 (Refereed Journals of Other Institutions)

### **VII. An Evaluation of the Apical Seal in Oval-shaped Root Canals Prepared with Either Self-adjusting Files or ProTaper Files**

helvacioğlu-yiğit d., Oruçoğlu H., Yavuz T., Yavuz C., YILMAZ A., Kaba Y., Özden S.

Cumhuriyet Dental Journal, no.17, pp.109-116, 2014 (National Refreed University Journal)

### **VIII. Journal of İstanbul University Faculty of Dentistry**

YILMAZ A., helvacioğlu-yiğit d.

Nikel-Titanyum Döner Alet Sistemleriyle Retreatment, vol.48, pp.71-78, 2014 (National Refreed University Journal)

### **IX. Rejeneratif Endodonti**

YILMAZ A.

JOURNAL OF ISTANBUL UNIVERSITY FACULTY OF DENTISTRY, vol.46, no.3, pp.91-98, 2012 (National Refreed University Journal)

### **X. Ufak Bir Pinden Ni-Ti Döner Alet Sistemlerine**

YILMAZ A., YILMAZ B.

Roots, vol.1, no.1, pp.58-60, 2007 (Other Refereed National Journals)

### **XI. Elektronik Apeks Belirleyiciler**

YILMAZ B., Çiftçioğlu E., GÖKYAY S. S. , YILMAZ A., Küçükay S.

Türk Diş Hekimliği Birliği Dergisi, no.98, pp.84-89, 2007 (Other Refereed National Journals)

### **XII. Nikel-Titanyum Döner Alet Sistemleri ve Şekillendirme Yöntemleri**

GÖKYAY S. S. , YILMAZ A., KÜÇÜKAY I.

Türk Diş Hekimliği Birliği Dergisi, pp.90-100, 2007 (Other Refereed National Journals)

## **Books & Book Chapters**

### **I. Nikel Titanyum alet sistemlerinin dentinde mikro çatlak oluşumu üzerine etkisi.**

Yılmaz A.

in: Endodontide Döner Alet Sistemleri-Hangi Sistem, Nerede, Neden?, Enver Sedat Küçükay, Editor, Türkiye Klinikleri Yayınevi, Ankara, pp.29-35, 2020

### **II. Endo-Periodontal Lezyonlar**

Yılmaz A., Güzeldemir Akçakanat E.

in: Endodonti Akıl Notları, Turgut Yağmur Yalçın,Bülent Yılmaz, Editor, Güneş Kitabevi, Ankara, pp.333-338, 2020

### **III. Nikel-Titanyum Esaslı Şekillendirme Sistemleri**

Yılmaz A.

in: Endodonti Akıl Notları, Turgut Yağmur Yalçın,Bülent Yılmaz, Editor, Güneş Kitabevi, Ankara, pp.199-216, 2020

### **IV. Diş Hekimliğinde Endodontik Uygulamalarda Dezenfeksiyon ve Sterilizasyon İşlemleri**

YILMAZ A.

in: Sağlık Bilimleri Alanında Araştırma ve Değerlendirmeler, Kalafat M., Akbaş M., Goncagül G., Editor, Gece Kitaplığı Yayınevi, Ankara, pp.219-228, 2019

## **Refereed Congress / Symposium Publications in Proceedings**

### **I. Shaping Ability of Two Rotary Nickel-Titanium Systems in Simulated Canals**

YILMAZ A.

The 20th Scientific Congress of Asian Pacific Endodontic Confederation, İstanbul, Turkey, 24 - 27 April 2019, pp.142

### **II. Comparison of Removed Dentine Volume by Using Different Nickel Titanium Systems During Retreatment: A micro – Computed Tomography Study**

Helvacioğlu-Yiğit D., YILMAZ A., Gür C.

ECSAC 4th European Conference on Science 2019, Antalya, Turkey, 18 - 21 April 2019, pp.230

- III. **Effectiveness of irrigation techniques on sealer penetration in curved roots.**  
Yılmaz A., Yalçın T. Y. , Yiğit D.  
11th World Endodontic Congress, Seoul, South Korea, 4 - 07 October 2018, pp.144
- IV. **Effectiveness of irrigation techniques on sealer penetration in curved roots**  
YILMAZ A., Yalçın T. Y. , Yiğit D.  
IFEA World Endodontic Congress 2018, Seoul, South Korea, 4 - 07 October 2018, pp.144
- V. **Sodium Hypochlorite Dental Accidents: Two Case Reports**  
Şahin H., YILMAZ A., Batur Y. B.  
18th Biennial ESE Congress, Brüksel, Belgium, 14 - 16 September 2017, pp.47
- VI. **Comparison Of The Radiopacity Of Different Faculty Of Dentistry, Calcium Hydroxide Pastes**  
YILMAZ A.  
19th Scientific Congress of Asian Pacific Endodontic Confederation, Yeni Delhi, India, 5 - 08 April 2017, pp.91
- VII. **Micro-CT evaluation of dentine defect formation during retreatment with hand and rotary instruments.**  
YILMAZ A., Helvacioğlu-Yiğit D., Gür C., Ersev H., Kiziltas-Sendur G., Avcu E., Baydemir C., Abbott P. V.  
Avrupa Endodonti Derneği 17. Binal Kongresi, Barselona, Spain, 16 - 19 September 2015, pp.86
- VIII. **Efficacy of Reciprocating and Rotary Systems for root filling removal**  
Helvacioğlu-Yiğit D., YILMAZ A., Kiziltas-Sendur G., ASLAN O. S. , Abbott P. V.  
IADR/PER Congress, Dubrovnik, Croatia, 10 - 13 September 2014, pp.120
- IX. **Vertical Fracture Resistance of Retreated Teeth Using Different Instrumentation Techniques**  
helvacioğlu-yiğit d., YILMAZ A., Sarıdağ S., Avcu E., Yıldiran Y.  
IADT 18th World Congress of Dental Traumatology, İstanbul, Turkey, 19 - 21 June 2014, pp.24
- X. **Immediate self-replantation of an avulsed tooth and multidisciplinary-management after 10-years**  
YILMAZ A., Yılmaz S., Tak Ö., KÜÇÜKAY I.  
IADT 18th World Congress of Dental Traumatology, İstanbul, Turkey, 19 - 21 June 2014, pp.20
- XI. **The Effects Of Reciprocating Instruments On The Root Canal Wall: An In Vitro Study**  
helvacioğlu-yiğit d., Aydemir S., YILMAZ A.  
16th ESE Biennial Congress, Lizbon, Portugal, 12 - 14 September 2013, pp.23
- XII. **Shaping ability of Waveone reciprocating files with or without glide path in simulated S-shaped curved canals**  
YILMAZ A., Küçükay S., İstektepe M. M. , Saraç S. N. , KÜÇÜKAY I.  
16th Biennial Congress of European Society of Endodontology, Portugal, 1 - 04 September 2013, pp.34-35
- XIII. **Influence of different specimen embedment techniques on fracture resistance of teeth**  
GÖKYAY S. S. , Saraç S. N. , YILMAZ A., Çolakoğlu M., KÜÇÜKAY I.  
16th Biennial Congress of European Society of Endodontology, Portugal, 1 - 04 September 2013, pp.32
- XIV. **An Evaluation of the Apical Seal in Oval-shaped Root Canals**  
helvacioğlu-yiğit d., Oruçoğlu H., Yavuz T., Yavuz C., YILMAZ A., Kaba Y., Özden S.  
FDI Annual World Dental Congress, İstanbul, Turkey, 28 - 31 August 2013, pp.24
- XV. **Evaluation of deformation and fracture rate of ProTaper nickel-titanium rotary instruments after clinical use**  
YILMAZ A., GÖKYAY S. S. , KÜÇÜKAY I.  
15th Biennial Congress of European Society of Endodontology, Italy, 1 - 04 September 2011, pp.26
- XVI. **Radiographic comparison of quality of root canal fillings produced by individual instrumentation and obturation techniques**  
YILMAZ A., DAĞLAROĞLU R., KÜÇÜKAY I., Çamlıca H.  
10th International Congress of the Turkish Endodontic Society Endoİstanbul2010, Turkey, 1 - 04 September 2010, pp.49
- XVII. **Percentage of gutta-percha filled area in root canals instrumented and obturated with different techniques**

YILMAZ A., KÜÇÜKAY I.

14th Biennial Congress of European Society of Endodontology, Edinburgh, Scotland, 24 - 26 September 2009, pp.30-31

**XVIII. Clinical Efficacy of Three Different Electronic Apex Locators in Comparison with Radiographic Working Length Determination**

YILMAZ A., GÖKYAY S. S. , Gökyay B., Birdal İ. S. , Küçükay S.

13th Biennial Congress of ESE, İstanbul, Turkey, 6 - 08 September 2007, pp.19

**XIX. A Misdiagnosed Cutaneous Sinus Tract: A Case Report**

GÖKYAY S. S. , YILMAZ A., KÜÇÜKAY I.

13th Biennial Congress of ESE, İstanbul, Turkey, 6 - 08 September 2007, pp.13

**XX. A Broken Tip Of Crochet Needle In Root Canal: A Case Report**

YILMAZ A., YILMAZ B., Kocaeli H., Küçükay S.

Turkish Endodontic Society 9th International Congress of Endodontology, İstanbul, Turkey, 22 - 24 April 2004, pp.14

## Supported Projects

YILMAZ A., Project Supported by Other Official Institutions, Retreatment Sırasında Kanal Duvarlarından Kaldırılan Doku Miktarının Micro-CT ile Değerlendirilmesi, 2013 - 2017

YILMAZ A., Project Supported by Higher Education Institutions, Micro-CT evaluation of dentine defect formation during re-treatment with hand and rotary instruments, 2015 - 2015

YILMAZ A., Project Supported by Higher Education Institutions, Evaluation of deformation and fracture rate of ProTaper nickel-titanium rotary instruments after clinical use, 2011 - 2011

YILMAZ A., Project Supported by Higher Education Institutions, Farklı Döner Alet Sistemlerinin ve Farklı Kök Kanalı Doldurma Tekniklerinin Etkinliklerinin in vitro Olarak Karşılaştırılması, 2009 - 2009

## Memberships / Tasks in Scientific Organizations

Türk Endodonti Derneği, Member, 2002 - Continues

European Society of Endodontology, Member, 2002 - Continues

## Scientific Refereeing

Yeditepe Dental Journal, National Scientific Refreed Journal, November 2017

Yeditepe Dental Journal, National Scientific Refreed Journal, October 2017

Dental Materials Journal, SCI Journal, March 2015

Cumhuriyet Dental Journal, National Scientific Refreed Journal, February 2015

## Edit Congress and Symposium Activities

The 20th Scientific Congress of Asian Pacific Endodontic Confederation and The 14th International Congress of Turkish Endodontic Society, Attendee, İstanbul, Turkey, 2019

EDAD İstanbul Semineri, Endo ile İlgili Herşey, Attendee, Radisson Blu Hotel, İstanbul, Turkey, 2016

Türk Endodonti Derneği 13. Bilimsel Endodonti Kongresi, Attendee, Nevşehir, Turkey, 2016

Avrupa Endodonti Derneği 17. Biental Kongresi, Attendee, Barcelona, Spain, 2015

Endodontide Dental Operasyon Mikroskopu Eğitimi, Attendee, İstanbul, Turkey, 2015

18th World Congress of Dental Traumatology, Attendee, Harbiye Millitary Museum/ İstanbul, Turkey, 2014

Turkish Endodontic Society 12th International Congress of Endodontology, Attendee, Sheraton Maslak Hotel /İstanbul,

Turkey, 2014

16th Bienial Congress of European Society of Endodontology, Attendee, Lisbon Congress Center/ Lisbon, Scotland, 2013

15th Bienial Congress of European Society of Endodontology, Attendee, Rome Cavalieri Hotel/ Roma, Italy, 2011

Turkish Endodontic Society 10th International Congress of Endodontology, Attendee, Hilton Convention Center/ İstanbul, Turkey, 2010

14th Bienial Congress of European Society of Endodontology, Attendee, Edinburgh International Conference Center/ Edinburgh, Scotland, 2009

Türk ve Kosova Endodonti Dernekleri 4. Bilimsel Endodonti Sempozyumu, Attendee, sunrise Queen Hotel/Antalya, Turkey, 2009

Türk Endodonti Derneği 3. Bilimsel Endodonti Sempozyumu, Attendee, Lares Park Otel/Antalya, Turkey, 2008

13th Bienial Congress of European Society of Endodontology, Attendee, Hilton Convention Center/İstanbul, Turkey, 2007

6. Ege Bölgesi Dişhekimleri Odaları Uluslararası Bilimsel Kongre ve Sergisi, Attendee, Antalya, Turkey, 2006

12th Bienial Congress of European Society of Endodontology, Attendee, Trinity College/Dublin, Ireland, 2005

Türk Endodonti Derneği 9. Uluslararası Bilimsel Kongresi, Attendee, Topkapı Eresin Otel/İstanbul, Turkey, 2004

Diş Hekimliğinde Travma Konferansı, Attendee, Abdi İbrahim Toplantı Salonu, Turkey, 2004

Türk Endodonti Derneği 8. Uluslararası Bilimsel Kongresi, Attendee, Princess Hotel/İstanbul, Turkey, 2002

Traumatic Injuries, Attendee, Selçuk Üniversitesi/Konya, Turkey, 2002

Döner Aletlerle Kök Kanalı Şekillendirmesi, Attendee, Pak Maya İş Merkezi/İstanbul, Turkey, 2002

## Citations

Total Citations (WOS):31

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