

CURICULUM VITAE

Name: MEHMET BAYBORA KAYAHAN

Title: Professor

Education

Degree	Faculty / Department	University	Year
DDS	Faculty of Dentistry	Istanbul University	1989-1995
PhD	Department of Restorative Dentistry and Endodontics	Istanbul University	1995- 2000

PhD Dissertation: Root canal configuration of maxillary and mandibular molars.

Supervisor: Prof. U. Alpay Yırcalı

Academic Titles

Title	Department	University	Year
Lecturer	Department of Endodontics	Yeditepe University	2000-2002
Assistant Professor	Department of Endodontics	Yeditepe University	2002-2008
Associate Professor	Department of Endodontics	Yeditepe University	2008-2014
Professor	Department of Endodontics	Okan University	2014-

Work as Visiting Lecturer

1. School of Dentistry, Cardiff University, Visiting Lecturer, April-May 2011, Cardiff, UK.

Supervised PhD Thesis

1. Dr. Çelik I. Effectiveness of Various Retreatment Approaches in Teeth Filled with Different Gutta-Percha Techniques. Yeditepe University Institute of Health Sciences, Department of Endodontics, PhD Thesis, 2014, Istanbul. Supervisor: **Assoc. Prof. Mehmet Baybora Kayahan.**

PUBLICATIONS

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

1. Kaptan F, Sert S, **Kayahan B**, Haznedaroğlu F, Tanalp T, Bayırlı G. Comparative evaluation of the preparation efficacies of Hero Shaper and Nitiflex root canal instruments in curved root canals. *Oral Surgery Oral Medicine Oral Pathology Oral Radiology Endodontics* 2005; 100: 636-42.
2. Tanalp J, Kaptan F, Sert S, **Kayahan B**, Bayırlı G. Quantitative evaluation of the amount of apically extruded debris using three different rotary instrumentation systems. *Oral Surgery Oral Medicine Oral Pathology Oral Radiology Endodontics* 2006; 101: 250-7.
3. Arıkan H, Kaptan RF, **Kayahan B**, Haznedaroğlu F. Management of the perforations due to miniplate application. *Journal of Endodontics* 2006; 32: 482-5.
4. **Kayahan MB**, Malkondu O, Canpolat C, Kaptan F, Bayırlı G, Kazazoglu E. Periapical health related to the type of coronal restorations and quality of root canal fillings in a Turkish subpopulation. *Oral Surgery Oral Medicine Oral Pathology Oral Radiology Endodontics* 2008; 105: e58-e62.

5. **Kayahan MB**, Nekoofar MH, Kazandağ M, Canpolat C, Malkondu O, Kaptan F, Dummer PMH. Effect of acid-etching procedure on selected physical properties of mineral trioxide aggregate. *International Endodontic Journal* 2009; 42: 1004-14.
6. Ozkurt Z, **Kayahan MB**, Sunay H, Kazazoğlu E, Bayırlı G. The effect of gap between the post restoration and the remaining root canal filling on the periradicular status in a Turkish subpopulation. *Oral Surgery Oral Medicine Oral Pathology Oral Radiology Endodontics* 2010; 110: 131-5.
7. Kaptan F, Karapınar-Kazandag M, **Kayahan MB**, Bora T, Bayırlı G. Potential of an Er: YAG laser in the removal of calcium hydroxide from root canals. *Photomedicine and Laser Surgery* 2012; 30: 250-4.
8. Gerek M, Baser ED, **Kayahan MB**, Sunay H, Kaptan RF, Bayırlı G. Comparison of the force required to fracture roots vertically after ultrasonic and Masserann removal of broken instruments. *International Endodontic Journal* 2012; 45: 429-34.
9. Ozkurt Z, **Kayahan MB**, Kazazoglu E. *In vitro* comparison of fracture strength of experimental hollow and solid design posts. *Journal of Prosthodontics* 2012; 21: 385-8.
10. Kaptan RF, Haznedaroglu F, **Kayahan MB**, Basturk FB. An investigation of current endodontic practice in Turkey. *Scientific World Journal*, 2012; 565413. doi: 10.1100/2012/565413.
11. Guven EP, Taslı PN, Yalvac ME, Sofiev N, **Kayahan MB**, Sahin F. *In vitro* comparison of induction capacity and biomineralization ability of mineral trioxide aggregate and a bioceramic root canal sealer. *International Endodontic Journal* 2013; 46: 1173-82.
12. Pamukcu Guven E, Yalvac ME, **Kayahan MB**, Sunay H, Sahin H, Bayırlı G. Human tooth germ stem cell response to calcium-silicate based endodontic cements. *Journal of Applied Oral Science* 2013; 21: 351-7.

13. **Kayahan MB**, Nekoofar MH, McCann A, Sunay H, Kaptan RF, Meraii N, Dummer PMH. Effect of acid etching procedures on the compressive strength of 4 calcium silicate-based endodontic cements. *Journal of Endodontics* 2013; 39: 1646-8.
14. Gursoy H, Tanalp J, Yurdaguvan H, **Kayahan MB**. Treatment of a cervical resorptive defect in a mandibular first premolar: An 18-month follow-up. *Journal of Dental Sciences* 2013; (Article in press).
15. Kaptan RF, Haznedaroglu F, Basturk FB, **Kayahan MB**. Treatment approaches and antibiotic use for emergency dental treatment in Turkey. *Journal of Therapeutics and Clinical Risk Management* 2013; 9: 443-9.
16. Tanalp J, Karapınar-Kazandag M, Dolekoglu S, **Kayahan MB**. Comparison of the radiopacities of different root-end filling and repair materials. *Scientific World Journal* 2013; 23: doi: 10.1155/2013/594950.
17. Tanalp J, Kayataş M, Can ED, **Kayahan MB**, Timur T. Evaluation of senior dental students' general attitude towards the use of rubber dam: a survey among two dental schools. *Scientific World Journal* 2014; doi: 10.1155/2014/290101.
18. Başer Can ED, Gerek M, **Kayahan MB**, Mohseni K, Sunay H, Bayirli G. Comparison of two different preparation protocol of Ni-Ti Rotary PathFile-ProTaper instruments in simulated s-shaped canals. *Acta Odontologica Scandinavica* 2014; 72: 76-80.

Articles Published in International Peer-Reviewed Journals

1. Altundal H, Kaptan RF, **Kayahan MB**, Bayırlı G. Severe dens invaginatus in the maxillary central incisor. *Oral Health and Dental Management in the Black Sea Countries* 2003; 4: 45-8.
2. **Kayahan MB**, Kaptan RF, Altundal H, Bayırlı G. The management of an odontogenic cutaneous sinus tract: A case report. *Oral Health and Dental Management in the Black Sea Countries* 2003; 2: 60-3.

3. Tanalp J, Sert S, Kaptan F, **Kayahan B**, Bayırlı G. Examination of the pH changes and calcium ion release caused by calcium hydroxide plus cones. *Endodontic Practice* 2004; 7: 25-8.
4. Kaptan RF, **Kayahan B**, Sert S, Karapınar M, Bayırlı G. Root canal morphology of human permanent mandibular incisors. *Ovidius University Annals Series Dental Medicine Sciences* 2004; 3: 60-2.
5. Can Say E, **Kayahan B**, Özel E, Gökçe K, Soyman M, Bayırlı G. Clinical evaluation of posterior composite restorations in endodontically treated teeth. *Journal of Contemporary Dental Practice* 2006; 7: 17-25.
6. **Kayahan MB**, Kaptan RF, Sert S, Altundal H, Bayırlı G. Root canal morphology in the mesiobuccal root of maxillary permanent first molars at various ages. *Endodontic Practice* 2007; 10: 31-4.
7. Kaptan RF, **Kayahan MB**, Bayırlı G. Anatomy of the pulp chamber floor of the permanent mandibular and maxillary molars. *Balkan Journal of Stomatology* 2008; 12: 8-19.
8. **Kayahan MB**, Basal N, Pamukcu Güven E. A novel approach to retrograde root canal treatment: tube-guided NiTi instruments for retroshaping. *Endodontic Practice* 2011; 14: 18-22.
9. Malkondu O, **Kayahan MB**, Sayınsu K, Arın K, Kazazoglu E. Prosthodontic management of a patient with oligodontia: a case report. *Balkan Journal of Dental Medicine* 2014; 18: 52-6.

Presentations Published in International Academic Conference Proceedings

1. **Kayahan MB**, Kaptan RF, Karapınar M, Bayırlı GS. Complications in the use of sodium hypochlorite during endodontic treatment – Case report. 10th Biennial Congress of European Society of Endodontology. October 4-6, 2001, Munich, Germany.

2. Karapınar M, Kaptan RF, **Kayahan MB**, Bayırlı GS. Retrieval of broken instruments and gutta-percha from root canals- Five cases. 10th Biennial Congress of European Society of Endodontology, October 4-6, 2001, Munich, Germany.
3. **Kayahan MB**, Kaptan RF, Bayırlı G. Anatomy of the pulp chamber floor of the permanent maxillary molars. 7th Congress of the Balkan Stomatological Society, March 28-30, 2002, Kuşadası, Turkey.
4. Kaptan RF, **Kayahan MB**, Bayırlı G. Anatomy of the pulp chamber floor of the permanent mandibular molars. 7th Congress of the Balkan Stomatological Society, March 28-30, 2002, Kuşadası, Turkey.
5. Kaptan RF, Karapınar M, **Kayahan MB**, Bayırlı GS. Root canal morphology of the human permanent mandibular incisors. 10th Biennial Congress of European Society of Endodontology, October 4-6, 2001, Munich, Germany. Abstract: *International Endodontic Journal* 2002; 35: 103.
6. Altundal H, Kaptan F, **Kayahan B**, Bayırlı G. Severe dens invaginatus in the maxillary central incisor. 7th Congress of the Balkan Stomatological Society, March 28-30, 2002, Kuşadası, Turkey.
7. **Kayahan MB**, Kaptan RF, Altundal H, Bayırlı G. The management of an odontogenic cutaneous fistula- A case report. 7th Congress of the Balkan Stomatological Society, March 28-30, 2002, Kuşadası, Turkey.
8. Malkondu Ö, **Kayahan MB**, Argın K, Sayınsu, Kazazoğlu E. Oligodontia: A case report. 7th Congress of the Balkan Stomatological Society, March 28-30, 2002, Kuşadası, Turkey.
9. Haznedaroğlu F, Kaptan RF, **Kayahan MB**, Sert S, Bayırlı G. A comparison of two electronic apex locators in determining the working length. 8th International Congress of Turkish Endodontic Society, May 3-5, 2002, Istanbul, Turkey.

10. Ersoy M, Kaptan RF, **Kayahan MB**, Bayırlı G. An evaluation of coronal microleakage of three root canal filling materials using a fluid infiltration device. 8th International Congress of Turkish Endodontic Society, May 3-5, 2002, Istanbul, Turkey.
11. Kaptan RF, Haznedaroğlu F, **Kayahan MB**, Sert S. An evaluation of shaping effectiveness of Ni-Ti hand and rotary instruments in curved canals. 8th International Congress of Turkish Endodontic Society, May 3-5, 2002, Istanbul, Turkey.
12. **Kayahan MB**, Kaptan RF, Karapınar M, Bayırlı G. Treatment of canines with double canals- three cases. 8th International Congress of Turkish Endodontic Society, May 3-5, 2002, Istanbul, Turkey.
13. **Kayahan MB**, Kaptan RF, Mohseni-Kashani K, Karapınar M, Bayırlı G. An evaluation of shaping effectiveness of nickel-titanium Profile 0.4/0.6 and Orifice Shapers and GT™ rotary instruments in curved canals. 8th International Congress of Turkish Endodontic Society, May 3-5, 2002, Istanbul, Turkey.
14. Haznedaroğlu F, **Kayahan MB**, Kaptan RF, Sert S. A comparison of two direct digital dental radiography systems in determining the working length of straight and curved root canals. 8th International Congress of Turkish Endodontic Society, May 3-5, 2002, Istanbul, Turkey.
15. Kaptan F, Tanalp J, Sert S, **Kayahan B**, Bayırlı G. Examination of the pH changes and calcium release of calcium hydroxide cones. 9th International Congress of Turkish Endodontic Society, April 22-24, 2004, Topkapı Eresin Hotel, Istanbul, Turkey.
16. Kaptan F, Sert S, **Kayahan B**, Haznedaroğlu F, Tanalp J, Bayırlı G. Examination of the preparation efficacies of HERO-Shaper and nickel-titanium hand instruments in curved root canals. 9th International Congress of Turkish Endodontic Society, April 22-24, 2004, Topkapı Eresin Hotel, Istanbul, Turkey.

17. **Kayahan MB**, Yırcalı UA. Root canal morphology of human maxillary and mandibular third molars. 9th International Congress of Turkish Endodontic Society, April 22-24, 2004, Topkapı Eresin Hotel, Istanbul, Turkey.
18. Uysal FK, **Kayahan MB**, Sert S, Altundal H, Tanalp J, Bayırlı G. The age-related changes in the mesiobuccal root canal morphology of maxillary molars. 9th International Congress of Turkish Endodontic Society, April 22-24, 2004, Topkapı Eresin Hotel, Istanbul, Turkey.
19. İşeri U, Kaptan F, Altundal H, **Kayahan MB**. Management of internal and external root resorption and perforation. CED/NOF/ID IADR International Congress, August 24-28, 2004, Istanbul, Turkey.
20. Tanalp J, Kaptan F, **Kayahan B**, Sert S, Karapınar-Kazandağ M, Bayırlı G. Scanning Electron Microscope evaluation of the effectiveness of Glyde File Prep on the removal of the smear layer. 12th Biennial Congress of the European Society of Endodontology, September 12-15, 2005, Dublin, Ireland. Abstract: *International Endodontic Journal*, 2005; 38: 923.
21. Karapınar Kazandağ M, Argın K, **Kayahan B**, Bayırlı G. Management of root perforation and separated instruments causing bone defect. 12th Congress of the Balkan Stomatological Society, April 12-14, 2007, Istanbul, Turkey.
22. Karapınar Kazandağ M, Deniz E, **Kayahan B**, Bayırlı G. Management of excessive root resorption by using MTA: a case report. 12th Congress of the Balkan Stomatological Society, April 12-14, 2007, Istanbul, Turkey.
23. Karapınar Kazandağ M, **Kayahan MB**, Kaptan F, Bayırlı G. Root canal morphology of maxillary premolars at two age groups. Annual meeting IADR-Continental European and Israeli Divisions, September 26-29, 2007, Thessaloniki, Greece.
24. Kaptan RF, Karapınar Kazandağ M, **Kayahan MB**, Bora T, Bayırlı G. Potential of an Er: YAG laser in the removal of calcium hydroxide from root canals. 2nd International Congress of Laser Academy, November 22-23, 2008, Istanbul, Turkey.

25. Ozkurt Z, **Kayahan MB**, Kazazoğlu E, Bayırlı G. The effect of the distance between the post restoration and the remaining root canal filling on the periradicular status in a Turkish subpopulation. 14th Congress of Balkan Stomatological Society, May 6-9, 2009, Varna, Bulgaria.
26. **Kayahan MB**, Özkurt, İşeri U, Kaptan F. MTA as repair material for perforations in the coronal one-third. 15th Congress of Balkan Stomatological Society, April 22-25, 2010, Thessaloniki, Greece.
27. Ozkurt Z, **Kayahan MB**. In vitro comparison of fracture strength of experimental hollow and solid design posts. 18th International Dental Congress of the Turkish Dental Association, May 26-28, 2011, Istanbul, Turkey.
28. Özkurt Z, Yurdagüven H, Dikbaş İ, **Kayahan MB**, Kazazoğlu E, Soyman M. Effect of sodium ascorbate on push-out strengths of fiber posts. 89th IADR/AADR General Session and Exhibition, March 16-19, 2011, San Diego, California, USA.
29. Kaptan RF, Haznedaroglu F, **Kayahan MB**, Ozkan H. A study of endodontic practice amongst Turkish dentists. 15th Biennial Congress of European Society of Endodontology, September 14-17, 2011, Rome, Italy.
30. Baser ED, Gerek M, **Kayahan MB**, Sunay H, Bayırlı G. Canal transportation of Ni-Ti rotary PathFile-ProTaper with a new protocol in simulated S-shaped canals. 15th Biennial Congress of European Society of Endodontology, September 14-17, 2011, Rome, Italy.
31. Gerek M, Baser ED, **Kayahan MB**, Sunay H, Kaptan RF, Bayırlı G. Vertical root fracture resistance of teeth after ultrasonic and Masseran retrieval of fractured instruments. 15th Biennial Congress of European Society of Endodontology, September 14-17, 2011, Rome, Italy.
32. **Kayahan MB**, Arslan A, Basal N, Karapınar M, Pamukcu Guven E. New approach to retrograde root canal treatment: tubes guiding Ni-Ti instruments in retroshaping. 15th Biennial Congress of European Society of Endodontology, September 14-17, 2011, Rome, Italy.

33. Pamukcu Guven E, Yalvac ME, **Kayahan MB**, Sunay H, Sahin F, Bayırlı G. Acomparison of ex vivo cytotoxicity of two novel endodontic root canal sealers. 15th Biennial Congress of European Society of Endodontology, September 14-17, 2011, Rome, Italy.
34. Bryant S, Nekoofar MH, **Kayahan MB**, Grazziotin-Soares R, Ghobadi M, Dummer PMH. A comparison of the shaping ability of WaveOne and ProTaper universal Ni-Ti instruments in simulated root canals. 11th International Congress of the Turkish Endodontic Society, April 27-28, 2012, Istanbul, Turkey.
35. Tanalp J, Gerek M, Baser ED, **Kayahan MB**, Timur T. Evaluation of senior dental students' attitude to the use of rubber dam. 11th International Congress of the Turkish Endodontic Society, April 27-28, 2012, Istanbul, Turkey.
36. **Kayahan MB**, Güven EP, Milkar K, Delve Baser E et al. Efficacy of ethylene tetraacetic acid and calcium hydroxide in the removal of root canal filling during retreatment. 16th Biennial Congress of European Society of Endodontology, September 12-14, 2013, Lisbon, Portugal.
37. Ozkurt Kayahan Z, **Kayahan MB**. The effect of endodontic access cavity preperation on the fracture strength of prepared upper incisors. Istanbul University Faculty of Dentistry 7th International Congress, November 19-22, 2014, Istanbul, Turkey.

Articles Published in National Peer-Reviewed Journals

1. Kaptan RF, **Kayahan MB**, Karapınar M, Bayırlı G. Kök kanallarında yabancı madde ile karşılaşılan dişlerde tedavi yaklaşımları (Olgu bildirimleri). *Dişhekimliği Dergisi* 2002; 43: 33-7.
2. Sert S, Ozcelik C, Aslanalp V, Kaptan F, **Kayahan B**. Artı küçük azılar: Dört Olgu. *Akademik Dental Dişhekimliği Dergisi* 2003; 5: 54-60.
3. **Kayahan MB**, Kaptan RF, Sert S, Tanalp J, Karapınar M, Bayırlı G. Profile .04/.06 & OS ve GTTM nikel-titanyum döner aletlerin eğri kök kanalı preparasyon etkilerinin incelenmesi. *Türk Dişhekimliği Dergisi* 2004; 11: 204-9.

4. Kaptan RF, **Kayahan MB**, Sert S, Haznedaroğlu F, Tanalp J. Nikel-titanyum el ve döner aletlerin etkilerinin incelenmesi. *Türk Dişhekimliği Dergisi* 2004; 11: 27-33.
5. Kaptan F, Dülger J, Ersoy M, **Kayahan B**, Sert S, Karapınar M, Bayırlı G. Kalsiyum hidroksitle yapılan kanal içi medikasyonun eğri kök kanalındaki apikal sızıntı üzerine etkisi: Sıvı filtrasyon yöntemi ile inceleme. *Türk Dişhekimliği Dergisi*, 2004; 56: 97-102.
6. Can Say E, **Kayahan B**. Endodontik tedavi gören posterior dişlerin restorasyonu. *Türk Dişhekimliği Dergisi* 2004; 56: 76-84.
7. Haznedaroğlu F, Kaptan RF, **Kayahan MB**, Sert S, Bayırlı G. İki farklı elektronik apex locator'ın endodontik çalışma boyunun saptanmasındaki etkinliklerinin değerlendirilmesi. *Türk Dişhekimliği Dergisi* 2005; 12: 101-3.
8. Haznedaroğlu F, **Kayahan MB**, Kaptan RF, Sert S. Eğimli ve düz kök kanallarında, iki digital radyografi yönteminin, endodontik çalışma boyu saptanmasındaki etkilerinin karşılaştırılması. *Türk Dişhekimliği Dergisi* 2005; 12: 82-5.
9. Nalbantgil Özdemir D, Başal N, **Kayahan B**. Gömülü maksiller kaninlerin ototransplantasyonu. *7tepe klinik* 2007; 1: 7-13.
10. Ersoy M, Kaptan RF, **Kayahan MB**, Sert S, Bayırlı G. Farklı kanal dolgu yöntemlerinin kuronal mikrosızıntılarının sıvı filtrasyon yöntemiyle incelenmesi. *Türk Dişhekimliği Dergisi* 2007; 14: 163-6.
11. **Kayahan MB**, Bora T, Malkondu O, Kaptan F, Bayırlı G. Irreversible pulpitisli dişlerde endodontik tedavi sonrası yapılan profilaktik oklüzal redüksiyonun postoperatif ağrı üzerine etkisi. *Akademik Dental Dişhekimliği Dergisi* 2010; 11: 46-8.
12. Gerek M, **Kayahan MB**. Dişhekimliğinde ototransplantasyon. *Türkiye Klinikleri* 2010; 16: 174-9.
13. Deniz E, **Kayahan M**, Gerek M. Alveolar segment kırığında kırık hattındaki dişin konservatif tedavisi: Bir olgu raporu. *7tepe Klinik* 2012; 3: 22-6.

14. Başer Can ED, **Kayahan MB**. Dış kök rezorpsiyonları. *Türk Dişhekimliği Dergisi* 2013; 86: 46-52.
15. Çiftçioğlu E, Aykol-Şahin G, **Kayahan MB**. Vital pulpa tedavilerinde lazerler. *Türkiye Klinikleri Diş Hekimliği Bilimleri Dergisi* (In press).
16. Aykol-Şahin G, Çiftçioğlu E, **Kayahan MB**. Dentin hipersensitivite tedavisinde lazerler. *Türkiye Klinikleri Diş Hekimliği Bilimleri Dergisi* (In press).

Articles Published in Referred National Journals

1. Kaptan RF, **Kayahan MB**, Bayırlı G. Döner aletlere bakış. *Dişhekimliği Dergisi* 2004; 58: 16-23.
2. **Kayahan MB**, Kaptan F, Bayırlı G. Kanal tedavisi sırasında karşılaşılan perforasyonlar ve tedavi yaklaşımları. *Roots* 2008; 1: 56-59.
3. Kaptan RF, **Kayahan MB**, Karapınar-Kazandağ M. Endodontik tedavi sırasında NaOCl kullanımına bağlı oluşan komplikasyonlar. *Roots* 2008; 3: 15-17.

Publications; Books and/or Book Chapters / Edited Book Translations

1. Hülsman M, Schafer E. *Problems in Endodontics: Etiology, Diagnosis and Treatment*. **Turkish Translation Editor: Şen, BH, Translation: Kayahan MB.** *Alet Kırılması*, Quintessence Yayıncılık, İstanbul, 2014; Chapter 18: pp. 403-21.
2. Hülsman M, Schafer E. *Problems in Endodontics: Etiology, Diagnosis and Treatment*. **Turkish Translation Editor: Şen, BH, Translation: Kayahan MB.** *Endodontide Problemler*, Quintessence Yayıncılık, İstanbul, 2014; Chapter 20: pp. 437-63.

Patent

1. Tube guiding root canal instruments to shape the root canals from apical to coronal during apical resection in dental surgery (Patented for 20 years).

Website:

worldwide.espacenet.com/publicationDetails/biblio?DB=worldwide.espacenet.com&II=0&ND=3&adjacent=true&locale=en_EP&FT=D&date=20101216&CC=WO&NR=2010144064A2&KC=A2

Patent Applications

1. Turkish Patent Institute 2012/10981: A specific tip for root canal irrigation.
2. Turkish Patent Institute 2011/11748: Pressure measuring device employed for the application of materials with controlled pressure used in endodontic treatment and all areas of dentistry.

Scientific Awards

1. Ersoy M, Kaptan RF, **Kayahan MB**, Bayırlı G. An evaluation of coronal microleakage of three root canal filling materials using a fluid infiltration device. 8th International Congress of the Turkish Endodontic Society, May 3-5, 2002, Istanbul, Turkey (The 2nd Award for Poster Presentation).
2. Ozkurt Z, **Kayahan MB**. *In vitro* comparison of fracture strength of experimental hollow and solid design posts. 18th International Dental Congress of the Turkish Dental Association, May 26-28, 2011, Istanbul, Turkey (The 2nd Award for Poster Presentation).
3. Pamukçu Güven E, Taşlı N, Yalvaç ME, Sofiev N, **Kayahan MB**, Şahin F. *In vitro* comparison of induction capacity and biomineralization ability of MTA and a bioceramic root canal sealer. International Congress of the Turkish Endodontic Society, Prof. Gündüz Bayırlı Research Prize, May 15-17, 2014, Istanbul, Turkey (The 1st Award for Research SCI Article).

Invited Lectures and Hands-on Courses

- 1. Kayahan MB.** Management of Procedural Errors in Endodontics. Izmir Chamber of Dentists, February 8-9, 2007.
- 2. Kayahan MB.** Management of Procedural Errors in Endodontics. Izmir Chamber of Dentists, March 5, 2009, Izmir.
- 3. Kayahan MB.** Ni-Ti Rotary Instruments. Acibadem Maslak, November 20, 2009, Istanbul.
- 4. Kayahan MB.** New Concepts in Endodontics. Bolu Chamber of Dentists, November 22, 2009, Bolu.
- 5. Kayahan MB.** Management of Procedural Errors in Endodontics. Istanbul Chamber of Dentists, December 17, 2009, Istanbul.
- 6. Kayahan MB.** Management of Procedural Errors in Endodontics. Turkish Academy of Esthetic Dentistry, February 27, 2010, Bursa.
- 7. Kayahan MB.** Root Canal Treatment. Dentsply Education Days, Acibadem Hospital Seminars, March 9, 2010, Istanbul.
- 8. Kayahan MB.** Root Canal Treatment. Eskişehir Chamber of Dentists, March 8, 2010, Eskişehir.
- 9. Kayahan MB.** Ni-Ti Rotary Instruments: Revo-S. Ankara Chamber of Dentists, April 15, 2010, Ankara.
- 10. Kayahan MB.** Ni-Ti Rotary Instruments. Kartal Dental Hospital, May 27, 2010, Istanbul.
- 11. Kayahan MB.** Management of Procedural Errors in Endodontics. International Dental Congress of the Turkish Dental Association, June 24-26, 2010, Merinos Congress Center, Bursa.
- 12. Kayahan MB.** Tubes for Retrograde Root Canal Shaping. Micro-Mega AGE (Opinion Leaders) Meeting, July 7-9, 2010, Paris, France.

13. **Kayahan MB.** Management of Procedural Errors in Endodontics. 10th International Congress of the Turkish Endodontic Society, September 23-25, 2010, Istanbul.
14. **Kayahan MB.** Management of Procedural Errors in Endodontics. Dental Istanbul, October 23-24, 2010, Istanbul.
15. **Kayahan MB.** Management of Procedural Errors in Endodontics. Çukurova Dental Days, October 8-9, 2010, Mersin.
16. **Kayahan MB, Sunay H.** Ni-Ti Rotary Instruments- Twisted File. Sybron Endo Seminars, January 14, 2011, Istanbul.
17. **Kayahan MB.** Management of Procedural Errors in Endodontics. Turkish Endodontic Society, January 19, 2011, Istanbul.
18. **Kayahan MB.** Management of Procedural Errors in Endodontics. Istanbul Chamber of Dentists, February 17, 2011, Istanbul.
19. **Kayahan MB, Sunay H.** NiTi Rotary Instruments- Twisted File. Sybron Endo Seminars, March 2, 2011, Istanbul.
20. **Kayahan MB.** Masserann Kit. Istanbul Chamber of Dentists, March 3, 2011, Istanbul.
21. **Kayahan MB.** Advanced Endodontics. Dentsply Seminars, March 18, 2011, Bursa.
22. **Kayahan MB.** Management of Procedural Errors in Endodontics. Istanbul Chamber of Dentists –Lütfi Kırdar Congress Center, March 27, 2011, Istanbul.
23. **Kayahan MB.** Broken Instrument. Prevention and Removal. Mclin Dent Lecture, May 9, 2011, Cardiff, UK.
24. **Kayahan MB.** Broken Instruments: Prevention and Removal. International Dental Congress of the Turkish Dental Association, May 27, 2011, Istanbul.
25. **Kayahan MB.** Advanced Endodontics. Adapazarı Chamber of Dentists, October 05, 2011, Adapazarı.

26. **Kayahan MB.** Advanced Endodontics. Adana Chamber of Dentists, October 29, 2011, Adana.
27. **Kayahan MB.** Broken Instruments: Prevention and Removal. Alanya Chamber of Dentists, November 18, 2011, Alanya.
28. **Kayahan MB.** Broken Instruments: Prevention and Removal. Antalya Chamber of Dentists, November 19, 2011, Alanya.
29. **Kayahan MB.** Root Canal Shaping. Turkish Academy of Esthetic Dentistry, December 05, 2011, Istanbul.
30. **Kayahan MB.** Broken Instruments: Prevention and Removal. Turkish Academy of Esthetic Dentistry, February 22, 2012, Izmir.
31. **Kayahan MB.** Broken Instruments: Prevention and Removal. Turkish Academy of Esthetic Dentistry, March 10, 2012, Baku.
32. **Kayahan MB.** Access Cavity Preparation. Dentsply Endodays, March 22, 2012, Istanbul.
33. **Kayahan MB.** Access Cavity Preparation. Dentsply Endodays, March 23, 2012, Istanbul.
34. **Kayahan MB.** Tubes for Retrograde Root Canal Shaping. 11th International Congress of the Turkish Endodontic Society, April 27-28, 2012, Istanbul.
35. **Kayahan MB.** Ni-Ti Rotary Instruments: Are the Concepts Changing? Turkish Academy of Esthetic Dentistry, May 12, 2012, Trabzon.
36. **Kayahan MB.** Ni-Ti Rotary Instruments. 19th International Dental Congress of the Turkish Dental Association, May 26 - June 2, 2012, Ankara.
37. **Kayahan MB.** Root Canal Shaping with Reciprocating Motion: WaveOne. Bursa Chamber of Dentists, November 2, 2012, Bursa.
38. **Kayahan MB.** New Concepts in Endodontics. Turkish Academy of Esthetic Dentistry (Corner Speaker), November 16-18, 2012, Istanbul.

39. **Kayahan MB.** New Concepts in Endodontics. Eskişehir Chamber of Dentists, November 22, 2012, Eskişehir.
40. **Kayahan MB.** Root Canal Shaping with Reciprocating Motion: WaveOne. 18th International Congress of Aegean Chambers of Dentists, November 30-December 2, 2012, Izmir.
41. **Kayahan MB.** Root Canal Shaping with Reciprocating Motion: WaveOne. Dentsply Seminars, December 19, 2012, Trabzon.
42. **Kayahan MB.** Management of Procedural Errors in Endodontics. Turkish Academy of Esthetic Dentistry- Up to Date, January 4, 2013, Istanbul.
43. **Kayahan MB.** Root Canal Shaping with Reciprocating Motion. Dentsply Seminars, February 13, 2013, Istanbul.
44. **Kayahan MB.** Root Canal Shaping with Reciprocating Motion. Dentsply Seminars, February 21, 2013, Izmir.
45. **Kayahan MB.** Root Canal Shaping with Reciprocating Motion: WaveOne. Turkish Academy of Esthetic Dentistry, February 28, 2013, Ankara.
46. **Kayahan MB.** Management of Procedural Errors in Endodontics. Baku Academy of Esthetic Dentistry, March 9, 2013, Baku.
47. **Kayahan MB.** Access Cavity Preparation. Endodays-Dentsply, March 14 -15, 2013, Istanbul.
48. **Kayahan MB.** Root Canal Shaping with Reciprocating Motion. Dentsply Seminars, March 20, 2013, Antalya.
49. **Kayahan MB.** Access Cavity Preparation. Dentsply Endodays-Izmir, April 18-19, 2013, Izmir.
50. **Kayahan MB.** Root Canal Shaping with Reciprocating Motion. Dentsply Seminars April 24, 2013, Ankara.
51. **Kayahan MB.** Management of Procedural Errors in Endodontics. 19th International Congress of Aegean Chambers of Dentists, April 26-28, 2013, Fethiye.

52. **Kayahan MB.** Broken Instruments: Prevention and Removal. (*Country Representative Speaker*), IFEA the 9th World Endodontic Congress, May 23-26, 2013, Tokyo, Japan.
53. **Kayahan MB.** Access Cavity Preparation. Endodays-Dentsply, September 17-18, 2013, Istanbul.
54. **Kayahan MB.** Basic Concepts in Root Canal Treatment. Sancaktepe Dental Hospital, February 18, 2014, Istanbul.
55. **Kayahan MB.** Basic Concepts in Root Canal Treatment. Edirne Chamber of Dentists, April 13, 2014, Edirne.
56. **Kayahan MB.** Management of Procedural Errors in Endodontics. Dentsply Seminars. July 3, 2014, Istanbul.
57. **Kayahan MB.** Basic Concepts in Root Canal Shaping and Management of Procedural Errors in Endodontics (Lecture); Root Canal Shaping (Hands-On Course). Antalya Chamber of Dentists and Dentsply Scientific Meeting, September 16, 2014, Antalya.
58. **Kayahan MB.** Root Canal Shaping. Is It Easier Now? Dental Istanbul Congress, November 15-16, 2014, Istanbul.
59. **Kayahan MB.** Procedural Errors in Endodontics. Fall Symposium of Tekirdag Chamber of Dentists, November 22-23, 2014, Tekirdag.
60. **Kayahan MB.** Broken instruments: Prevention and Removal (Lecture); A Novel Approach in Root Canal Shaping: ProTaper Next (Hands-On Course). 21th International Congress of Aegean Chambers of Dentists, November 28-30, 2014, Izmir.
61. **Kayahan MB.** Basic Concepts in Root Canal Treatment. Malatya Chamber of Dentists and Dentsply Seminars, March 1, 2015, Malatya.
62. **Kayahan MB.** Broken instruments: Prevention and Removal. 6th International Symposium of Turkish Endodontic Society, March 6-8, 2015, Erzurum.

63. **Kayahan MB.** Basic Concepts in Root Canal Treatment. Dentsply Seminars, April 10, 2015, Konya.
64. **Kayahan MB.** Procedural Errors in Endodontics. Kalkedon Society, April 16, 2015, Istanbul.
65. **Kayahan MB.** Can This Tooth Be Saved? Bursa Chamber of Dentists 4th Contemporary Approaches Symposium, April 18-19, 2015, Bursa.
66. **Kayahan MB.** Ni-Ti Rotary Instruments: Where Are We Now? (Lecture); Root Canal Shaping (Hands-On Course). Izmir Chamber of Dentists International Spring Symposium, May 1-3, 2015, Marmaris.
67. **Kayahan MB.** Where as Endodontics, When We Give it up? (Lecture); New Generation in Ni-Ti Rotary Instruments: Hyflex (Hands-On Course). 21st International Congress of Turkish Dental Association, May 28-30, 2015, Istanbul.

Administrative Tasks

1. Istanbul Chamber of Dentists, Member of the Education Committee
2. Okan University Faculty of Dentistry, Head of Department of Endodontics, 09.01.2014-
3. Okan University Faculty of Dentistry, Head of Clinical Sciences, 09.03.2014-
4. Okan University Faculty of Dentistry, Member of the Faculty Board, 09.04.2014-
5. Okan University Faculty of Dentistry, Member of the Faculty Executive Board, 09.04.2014-
6. Okan University Faculty of Dentistry, Member of the Quality Committee, 09.05.2014-
7. Okan University Faculty of Dentistry, Head of the Scientific Research Committee, 09.05.2014-

Membership of Scientific / Professional Organizations

- 1.** Turkish Dental Association (TDB)
- 2.** Istanbul Chamber of Dentists (İDO)
- 3.** Turkish Endodontic Society; Member
- 4.** Turkish Endodontic Society; Member of the Executive Board (2012-)
- 5.** Turkish Endodontic Society; General Secretary (08.06.2014-)
- 6.** European Society of Endodontology (ESE); Certified Member
- 7.** International Federation of Endodontic Association (IFEA)
- 8.** Dental Laser Academy (DILAD)