

ACADEMIC CURRICULUM VITAE

1. Name Surname: Umut AKSOY

2. Title: Professor Doctor

3. Educational Background:

Degree	Department/Program	University	Year
Bachelor's / Master's	Dentistry	Ankara University	2007
PhD	Endodontics	Near East University	2012

4. Master's / PhD Thesis

4.1. PhD Thesis /Medical Specialty Thesis Title and Advisor(s): In vitro investigation of the diffusion of calcium and hydroxyl ions through dentinal tubules to the root surface from MTA (Mineral Trioxide Aggregate) and BioAggregate. (2012). Prof. Dr. Feridun ŞAKLAR

5. Academic Titles:

Date of Assistant Professorship: December 18, 2013

Date of Associate Professorship: October 12, 2018

Date of Professorship: March 25, 2024

6. Supervised Master's and PhD Theses:

6.2. PhD Theses

6.2.1. Dilan Kırmızı, "Evaluation of the Effectiveness of Different Techniques for the Removal of Calcium Hydroxide from Internal Root Resorption Cavities Using Micro-Computed Tomography," Near East University, Institute of Graduate Studies, June 2021

6.2.2. Abdullah Sebai, "Investigation of the Anti-Inflammatory Effects of Melatonin in Experimentally Induced Irreversible Pulpitis and Apical Periodontitis Models in Rats," Near East University, Institute of Graduate Studies, July 2021

6.2.3. Ghassan Dandache, "Comparison of Root Canal Morphologies of Contralateral Maxillary Second Molars Using Micro-Computed Tomography," Near East University, Institute of Graduate Studies, July 2023

6.2.4. Alhasan Almasri, "Effectiveness of Different Irrigation Activation Techniques on the Penetration of AH-Plus Bioceramic Sealer into Dentinal Tubules," Near East University, Institute of Graduate Studies, June 2024

6.2.5. Nildem İnönü, "Deep Learning-Based Detection of Separated Root Canal Instruments in Panoramic Radiographs Using the U²-Net Architecture," Near East University, Institute of Graduate Studies, September 2025

7. Publications

7.1. Articles Published in International Peer-Reviewed Journals (SCI,SSCI, AHCI, ESCI, Scopus)

1.1.1. Orhan Kaan, **Aksoy Umut**, Kalender Atakan. (2010) Cone-beam computed tomographic evaluation of spontaneously healed root fracture. Journal of Endodontics, 36(9):1584-7.

1.1.2. Orhan Kaan, **Aksoy Umut**, Can-Karabulut Deniz Can, Kalender Atakan. (2011) Low-level laser therapy of dentin hypersensitivity: a short-term clinical trial. Lasers in Medical Science, 26(5):591-8.

1.1.3. Can Karabulut Deniz Cemile, Er Faruk, Orhan Kaan, Solak Hikmet, Karabulut Barış, Aksoy Seçil, Cengiz Esra, Basmacı Fatma, **Aksoy Umut**. (2011) Rate of individuals with tooth development anomalies in the adult population admitting to dental faculty in the Northern Cyprus Turkish Republic. Gulhane Medical Journal, 53, 154-161.

1.1.4. Kalender Atakan, Orhan Kaan, **Aksoy Umut**. (2012) Evaluation of the mental foramen and accessory mental foramen in Turkish patients using cone-beam computed tomography images reconstructed from a volumetric rendering program. Clinical Anatomy, 25(5):584-92.

1.1.5. Kalender Atakan, Orhan Kaan, **Aksoy Umut**, Basmacı Fatma, Er Faruk, Alankus Aslihan. (2013) Influence of the quality of endodontic treatment and coronal restorations on the prevalence of apical periodontitis in a Turkish Cypriot population.

Medical Principles and Practice, 22(2):173-7.

1.1.6. Kalender Atakan, **Aksoy Umut**, Basmacı Fatma, Orhan Kaan. Orhan Ayşe Işıl. (2013) Cone-beam computed tomography analysis of the vestibular surgical pathway to the palatine root of the maxillary first molar. European Journal of Dentistry. 7(1):35-40.

1.1.7. Kalender Atakan, Oztan Meltem Dartar, Basmacı Fatma, **Aksoy Umut**, Orhan Kaan. (2014) CBCT evaluation of multiple idiopathic internal resorptions in permanent molars: case report. BMC Oral Health. 16;14:39.

1.1.8. Kalender Atakan, Celikten Berkan, Tufenkci Pelin, **Aksoy Umut**, Basmacı Fatma, Kelahmet Umay, Orhan Kaan. (2016) Cone beam computed tomography evaluation of maxillary molar root canal morphology in a Turkish Cypriot population. Biotechnology & Biotechnological Equipment, 30(1):145-50.

1.1.9. Celikten Berkan, Tufenkci Pelin, **Aksoy Umut**, Kalender Atakan, Kermeoglu Fatma, Dabaj Pervin, Orhan Kaan. (2016) Cone beam CT evaluation of mandibular molar root canal morphology in a Turkish Cypriot population. Clinical Oral Investigations, 20(8):2221-6.

1.1.10. **Aksoy Umut**, Kermeoğlu Fatma, Kalender Atakan, Eren Hakan, Kolsuz Mehmet Eray, Orhan Kaan. (2017) Cone-beam computed tomography evaluation of palatogingival grooves: a retrospective study with literature review. Oral Radiology, 33(3):193-8.

1.1.11. **Aksoy Umut**, Aksoy Seçil, Orhan Kaan. (2018) A cone-beam computed tomography study of the anatomical relationships between mandibular teeth and the mandibular canal, with a review of the current literature. Microscopy Research and Technique, 81(3):308-14.

1.1.12. Kermeoglu Fatma, **Aksoy Umut**, Kalender Atakan, Oztan Meltem Dartar, Oguz Ece I, Kıyan Mehmet. (2018) Determination of the Minimum Inhibitory Concentrations of Alexidine and Chlorhexidine Against Enterococcus faecalis and Candida albicans: An in Vitro Study. Cureus, 10(2), e2221.

1.1.13. Aksoy Umut, Orhan Kaan. (2018) Risk Factor in Endodontic Treatment: Topographic Evaluation of Mandibular Posterior Teeth and Lingual Cortical Plate Using Cone Beam Computed Tomography (CT). *Medical science monitor: international medical journal of experimental and clinical research*, 24, 7508–7516.

1.1.14. Aksoy Umut, Orhan Kaan. (2019) Association between odontogenic conditions and maxillary sinus mucosal thickening: a retrospective CBCT study. *Clinical Oral Investigations*, 23(1), 123–131.

1.1.15. Sehirli Ahmet Özer, Aksoy Umut, Kermeoglu Fatma, Kalender Atakan, Savtekin Gökçe, Ozkayalar Hanife, Sayiner Serkan. (2019) Protective effect of alpha-lipoic acid against apical periodontitis-induced cardiac injury in rats. *European Journal of Oral Sciences*, 127(4):333-339.

1.1.16. Aksoy Umut, Savtekin Gökçe, Şehirli Ahmet Özer, Kermeoğlu Fatma, Kalender Atakan, Özkayalar Hanife, Sayiner Serkan, Orhan Kaan. (2019) Effects of alpha-lipoic acid therapy on experimentally induced apical periodontitis: a biochemical, histopathological and micro-CT analysis. *International Endodontic Journal*, 52(9):1317-1326.

7.2.17. Kermeoglu Fatma, Küçük Meltem, Aksoy Umut, Orhan Kaan. (2021) Effect of Different Obturation Techniques on Dentinal Tubule Penetrations of MTA Fillapex and AH Plus. *Cyprus Journal of Medical Sciences*, 6(4): 331-336

7.1.18. Aksoy Umut, Küçük Meltem, Versiani Marco A, Orhan Kaan. (2021). Publication trends in micro-CT endodontic research: a bibliometric analysis over a 25-year period. *International Endodontic Journal*, 54(3), 343–353.

7.1.19. John R. Craig, David M. Poetker, Aksoy Umut, Fabiana Allevi, Federico Biglioli, Bruce Y. Cha, Matteo Chiapasco, Jerome R. Lechien, Ahmad Safadi, Regimantas Simuntis, Roderick Tataryn, Tiziano Testori, Matthias Troeltzsch, Saulius Vaitkus, Hidenori Yokoi, Giovanni Felisati, Alberto M. Saibene. (2021) Diagnosing odontogenic sinusitis: An international multidisciplinary consensus statement. *International Forum of Allergy & Rhinology*, 11(8), 1235–1248.

7.1.20. Kermeoğlu Fatma, **Aksoy Umut**, Sebai Abdullah, Savtekin Gökçe, Özkayalar Hanife, Sayiner Serkan, Şehirli Ahmet Özer. (2021) Anti-Inflammatory Effects of Melatonin and 5- Methoxytryptophol on Lipopolysaccharide-Induced Acute Pulpitis in Rats. *BioMed Research International*, 8884041.

7.1.21. **Aksoy Umut**, Pehlivan Salahi, Buhara Oguz. (2021) The top risk factors for endodontic flare-up: a Monte Carlo simulation. *Clinical Oral Investigations*, 25(6), 3681–3690.

7.1.22. Şehirli Ahmet Özer, **Aksoy Umut**, Koca-Ünsal Revan Birke, Sayiner Serkanç (2021) Role of NLRP3 inflammasome in COVID-19 and periodontitis: Possible protective effect of melatonin. *Medical Hypotheses*, 151, 110588

7.1.23. Şehirli Ahmet Özer, Chukwunyere Ugochukwu, **Aksoy Umut**, Sayiner Serkan, Abacioglu Nurettin. (2021) The circadian clock gene Bmal1: Role in COVID-19 and periodontitis. *Chronobiology International*, 38(6), 779–784.

7.1.24. Kirmizi Dilan, **Aksoy Umut**, Orhan Kaan. (2021) Efficacy of Laser-Activated Irrigation and Conventional Techniques in Calcium Hydroxide Removal from Simulated Internal Resorption Cavities: Micro-CT Study. *Photobiomodulation, Photomedicine, and Laser Surgery*, 39(10), 674–681.

7.1.25. 7.2.25. **Aksoy Umut**, Şehirli Ahmet Özer, Sayiner Serkan. (2021) Can Apical Periodontitis Exacerbate Covid-19 Damage? *Journal of Contemporary Medical Sciences*. 7(6):392–393. doi:10.22317/jcms.v7i6.1113.

7.1.26. Sebai Abdullah, Kirmızı Dilan, Abduljalil Mohamad, **Aksoy Umut**. (2022) Endodontic Practice in North Cyprus: A Questionnaire Survey Study. *Cyprus Journal of Medical Sciences*, 7(6):794-800 doi:10.4274/cjms.2021.2577.

7.1.27. Aksoy Seçil, **Aksoy Umut**, Orhan Kaan. (2022) An overview of the 35 years of research in the oral radiology: a bibliometric analysis. *Oral Radiology*, 38(2), 183–191.

7.1.28. Küçük Meltem, **Aksoy Umut**, Şehirli Ahmet Özer. (2022) Possible protective effects of the Bmal1 gene and melatonin on the prognosis of apical periodontitis,

Medical Hypotheses, 162, 110806

7.1.29. Koruk Dilara, Basmacı Fatma, Kırmızı Dilan, **Aksoy Umut.** (2022) The Impact of Laser- Activated and Conventional Irrigation Techniques on Sealer Penetration into Dentinal Tubules. *Photobiomodulation, Photomedicine, and Laser Surgery*, 40(8), 565–572.

7.1.30. Koca-Ünsal Revan Birke, Şehirli Ahmet Özer, Sayiner Serkan, **Aksoy Umut.** (2022) Relationship of NLRP3 inflammasome with periodontal, endodontic and related systemic diseases. *Molecular Biology Reports*, 49(11), 11123–11132.

7.1.31. Paksoy Tuğçe, Ustaoglu Gülbahar, Şehirli Ahmet Özer, Koca-Ünsal Revan Birke, Sayiner Sayiner, Orhan Kaan, Aycı Nurdan Bülbül, Çetinel Şule, **Aksoy Umut.** (2022) Evaluation of the oxytocin effect in a rat model with experimental periodontitis. *Naunyn-Schmiedebergs Archives of Pharmacology*, 395(12), 1599–1608.

7.1.32. Kermeoğlu Fatma, Sayiner Serkan, Şehirli Ahmet Özer, Savtekin Gökçe, **Aksoy Umut.** (2023) Does α -lipoic acid therapeutically effective against experimentally induced-acute pulpitis in rats? *Australian Endodontic Journal: the journal of the Australian Society of Endodontology Inc*, 49(1), 87–91.

7.1.33. Dandache Ghassan, **Aksoy Umut,** Ozel Mehmet Birol, Orhan Kaan. (2023) Anatomic Comparison of Contralateral Maxillary Second Molars Using High-Resolution Micro-CT. *Symmetry*, 15(2):420.

7.1.34. Erdag Emine, Kucuk Meltem, **Aksoy Umut**, Abacioglu Nurettin, Sehirli Ahmet Ozer. (2023) Docking Study of Ligands Targeting NLRP3 Inflammatory Pathway for Endodontic Diseases. *Chemical Methodologies*, 7(3):200-210.

7.2.35. Özcan Tolga, Sonat Bade, Dartar Öztan Meltem, Basmaci Fatma, **Aksoy Umut**. (2023) The Determination of the Corrosion Rates of Rotary Ni-Ti Instruments in Various Irrigation Solutions. *Cyprus Journal of Medical Sciences*, 8(2):136-141.

7.1.36. Kolsuz Mehmet Eray, Evli Cengiz, **Aksoy Umut**, Koohnavard Mehrdad, Aksoy Seçil, Orhan Kaan. (2023) Influence of voxel size and filter type on detecting vertical root fracture using cone-beam computed tomography. *Australian Endodontic Journal: the journal of the Australian Society of Endodontology Inc*, 49 Suppl 1, 439–446.

7.1.37. Paksoy Tuğçe, Ustaoglu Gülbahar, Şehirli Ahmet Özer, Ünsal Revan Birke Koca, Sayiner Serkan, Orhan Kaan, Aycı Nurdan Bülbül, Çetinel Şule, **Aksoy Umut**, Öğünç Ayliz Velioglu. (2023) Effect of bromelain on periodontal destruction and alveolar bone in rats with experimental periodontitis. *International Immunopharmacology*, 121, 110446.

7.1.38. Şehirli Ahmet Özer, **Aksoy Umut**, Sebai Abdullah, Orhan Kaan, Sayiner Serkan. (2023) Effects of N-acetyl-L-cysteine against apical periodontitis in rats with adriamycin-induced cardiomyopathy and nephropathy. *International Endodontic Journal*. Epub ahead of print.

7.1.39. Almasri Alhasan, Abduljalil Mohamed, **Aksoy Umut**. (2024). Efficacy of Different Irrigation Activation Techniques on Dentinal Tubule Penetration of the Novel AH-Plus Bioceramic Sealer. *Applied Sciences*, 14(2), 701.

7.1.40. Şehirli Ahmet Özer, **Aksoy Umut**, Sebai Abdullah, Orhan Kaan, Sayiner Serkan. (2024). Effects of N-acetyl-L-cysteine against apical periodontitis in rats with adriamycin-induced cardiomyopathy and nephropathy. *International Endodontic Journal*, 57(2), 195-207.

7.1.41. Kırmızı Dilan, Sehirli Ahmet Özer, Sayiner Serkan, Orhan Kaan, Sebai Abdullah, **Aksoy Umut**. (2024). Effects of melatonin against experimentally induced apical

periodontitis in rats. Australian Endodontic Journal, 50(2), 218-226.

7.1.42. Aksoy Umut, Aksoy Seçil, Kırmızı Dilan, Orhan Kaan (2024). Pierre Fauchard (1678-1761): Pioneering Dental Surgeon of the Enlightenment Age. Cureus, 16(9).

7.1.43. Erdağ Emine, Kırmızı Dilan, **Aksoy Umut**, Sehirli Ahmet Özer. (2025) In silico evaluation of some 7nAChR agonists in apical periodontitis: The role of the cholinergic anti-inflammatory pathway. ACTA Pharmaceutica Scientia, 63(1).

7.1.44. Kırmızı Dilan, **Aksoy Umut**, Aksoy Seçil, İnönü Nildem, Orhan Kaan. (2025). Evaluation of Taurodont and Pyramidal Mandibular Molars Prevalence in a Group of Turkish Cypriot Population by Cone Beam Computed Tomography. Cyprus Journal of Medical Sciences.

7.1.45. İnönü Nildem, **Aksoy Umut**, Kırmızı Dilan, Aksoy Seçil, Akkay Nurullah, Orhan Kaan. (2025). Deep Learning-Based Detection of Separated Root Canal Instruments in Panoramic Radiographs Using a U2-Net Architecture. Diagnostics, 15(14), 1744.

7.2. Articles Published in Other International Peer-Reviewed Journals

7.2.1. Celikten Berkan, Orhan Kaan, **Aksoy Umut**, Tufenkci Pelin, Kalender Atakan, Basmacı Fatma, Dabaj Pervin. (2016) Cone-beam CT evaluation of root canal morphology of maxillary and mandibular premolars in a Turkish Cypriot population. BDJ Open. 2, 15006. [indexed in Pubmed]

7.3. Papers Presented at International Scientific Conferences and Published in Conference Proceedings

7.3.1. Aksoy Umut, Orhan Kaan. Dentine hypersensitivity: a randomized clinical comparison of low-level laser therapy and desensitizing agent in a short-term treatment period. Mediterranean Oral Laser Congress, İstanbul, 2008 [Poster Presentation].

7.3.2. Aksoy Umut, Kalender Atakan, Orhan Kaan. CBCT evaluation of spontaneously healed root fracture: report of a case. 14th Biennial Congress of the European Society of Endodontology, Edinburg, Scotland, 178, 2009 [Poster Presentation].

7.3.3. Kalender Atakan, **Aksoy Umut**, Basmacı Fatma, Orhan Kaan, Şaklar Feridun. Prevalence of endodontically treated teeth and apical paradontitis in an adult Turkish Cypriot population. 10th International Congress of the Turkish Endodontic Society, İstanbul, 2010 [Poster Presentation].

7.3.4. Kalender Atakan, **Aksoy Umut**, Basmacı Fatma, Orhan Kaan, Şaklar Feridun. CBCT Analysis of the vestibular surgical pathway to the palatal root of the maxillary first molars. 10th International Congress of the Turkish Endodontic Society, İstanbul, 2010 [Poster Presentation].

7.3.5. Kalender Atakan, Basmacı Fatma, **Aksoy Umut**, Oztan Meltem Dartar, Şaklar Feridun. Indirect composite restoration of the endodontically treated tooth with periapical lesion: A case report. 10th International Congress of the Turkish Endodontic Society, İstanbul, 2010 [Poster Presentation].

7.3.6. Orhan Kaan, Kalender Atakan, **Aksoy Umut**, Aksoy Seçil. Evaluation of Accessory and Mental Foramen in Growing-children with CBCT. IADR, 88th, General Session, Barcelona, 2010 [Poster Presentation].

7.3.7. **Aksoy Umut**, Orhan Kaan, Kalender Atakan. CBCT Evaluation of Accessory and Mental Foramen using 3D-rendering Program. IADR, 88th General Session, Barcelona, 2010 [Poster Presentation].

7.3.8. Can-Karabulut Deniz Can, Solak Hikmet, Orhan Kaan, Aksoy Seçil, Basmacı Fatma, Cengiz Esra, **Aksoy Umut**, Er Faruk, Karabulut Barış. Prevalence of dental development anomalies in a Cypriot adult population in Northern Cyprus. FDI Annual World Dental Congress, Salvador Da Bahia, Brazil, 2010 [Poster Presentation].

7.3.9. **Aksoy Umut**, Kalender Atakan, Orhan Kaan, Basmacı Fatma. Comparison of Three Digital Imaging Receptors and CBCT for Detection of Simulated External Root Resorptions: An Ex-Vivo Study 15th Biennial Congress of the European Society of Endodontology, Rome, Italy, 2011 [Poster Presentation].

7.3.10. Orhan Kaan, Kalender Atakan, **Aksoy Umut**, Basmacı Fatma. Detection of Fractured Endodontic Files and Simulated External Root Resorptions with Three Types of Lcd Monitors Using Three Different Imaging Receptors and Cbct: An Ex-Vivo Study. 15th Biennial Congress of the European Society of Endodontology, Rome, Italy, 2011 [Poster Presentation].

7.3.11. Orhan Kaan, Kalender Atakan, **Aksoy Umut**, Basmacı Fatma. Digital Imaging Receptors vs Cbct for detection of fractured endodontic files. XIIIth. European Congress of Dentomaxillofacial Radiology, Leipzig, Germany, 2012 [Poster Presentation].

7.3.12. Dabaj Pervin, Muhareb Muhammed, **Aksoy Umut**, Basmacı Fatma, Kalender Atakan. Cone Beam Computed Tomography Evaluation of the Periapical Status of Non-Vital Tooth with

Open Apex Obturated with Mineral Trioxide Aggregate: A Case Report. 12th International Congress of the Turkish Endodontic Society, İstanbul, 2014 [Poster Presentation].

7.3.13. Berberoğlu Atilla, Orhan Kaan, Aksoy Seçil, **Aksoy Umut**, Mısırlı Melis. Cone Beam Computed Tomographic Evaluation of spontaneously healed vertical fracture. 19th Balkan Stomatological Society Congress, Belgrade, Serbia, 2014 [Poster Presentation].

7.3.14. **Aksoy Umut**, Saklar Feridun, Polatoglu Kaan. (2015) In vitro investigation of the diffusion of calcium and hydroxyl ions through dentinal tubules to the root surface from MTA and BioAggregate. 17th Biennial Congress of the European Society of Endodontology, Barseelona, Spain, 2015 [Oral Presentation].

7.3.15. **Aksoy Umut**, Aksoy Seçil, Orhan Kaan. Proximity of the roots of mandibular molars and premolars to the mandibular canal: A CBCT study. XVth European Congress of DentoMaxilloFacial Radiology, Cardiff 2016 [Poster Presentation].

7.3.16. **Aksoy Umut**, Kermeoğlu Fatma, Kalender Atakan, Küçük Meltem. İki Farkli Konsantrasyondaki Sodyum Hipoklorit Yıkama Solüsyonunun Endodontik Tedavili Dişlerin Kirilma Direncine Etkisi. 13th International Congress of the Turkish Endodontic Society, Kapadokya, 2016 [Poster Presentation]

7.3.17. Abduljalil Muhamed, **Aksoy Umut**, Kalender Atakan, Ayalı Aysa. Management of Intrusive Permanent Incisor. 1st International ORAD Congress, Ankara, 2016 [Poster Presentation]

7.3.18. Sebai Abdullah, **Aksoy Umut**, Kırmızı Dilan. A Survey on Clinicians Preferences in Endodontic Practice in TRNC. Türk Dişhekimleri Birliğı 23. Uluslararası Dişhekimliğı Kongresi, İstanbul, 2017 [Poster Presentation].

7.3.19. **Aksoy Umut**, Aksoy Seçil, Orhan Kaan. (2017) Association between Odontogenic Conditions and Maxillary Sinus Mucosal Thickening: A retrospective CBCT study. 22nd Balkan Stomatological Society Congress, Thessaloniki, Greece, 2017 [Oral Presentation]

7.3.20. Kırmızı Dilan, Sebai Abdullah, **Aksoy Umut**. (2018) A questionnaire study on materials and methods preferred for endodontic practice of dentists in TRNC. International Congress of Preventive Dentistry, Erzurum 2018 [Oral Presentation]

7.3.21. **Aksoy Umut**, Savtekin Gökçe, Şehirli Ahmet Özer, Kermeoglu Fatma, Kalender Atakan, Ozkayalar Hanife, Sayiner Serkan, Orhan Kaan. (2018) Effects of The Alpha-Lipoic Acid Therapy on Experimentally Induced Apical Periodontitis In Rats: A Biochemical, Histopathologic And Micro-Ct Analysis. XVIth European Congress of DentoMaxilloFacial Radiology, Luzern, Switzerland. [Oral Presentation]

7.3.22. **Aksoy Umut**, Kermeoglu Fatma, Şehirli Ahmet Özer, Savtekin Gökçe, Ozkayalar Hanife, Sayiner Serkan. (2018) Protective effect of alpha lipoic acid on apical periodontitis-induced

cardiac injury. The 43rd FEBS Congress, "Biochemistry forever" Congress Center, Prague (Czechia), 7–12 July 2018. [Oral Presentation]

7.3.23. Orhan Kaan, **Aksoy Umut**, Buyuksungur Arda, Savtekin Gokce, Sehirli Ahmet Ozer, Ozkayalar Hanife. (2018) Registration of histopathology and micro-CT slices for quantifying periapical lesions in a rat model. International Journal of Computer Assisted Radiology and Surgery. 13(Suppl 1):S269. [Oral Presentation]

7.3.24. Dandache Ghassan, **Aksoy Umut**, Aksoy Seçil, Orhan Kaan (2019). CBCT Evaluation of Root Canal Morphology of Mandibular Premolars in a Turkish Cypriot Population: A Retrospective Study. 29th Beirut International Dental Meeting. [Oral Presentation]

7.3.25. **Aksoy Umut**, Kırmızı Dilan, Aksoy Seçil, Orhan Kaan (2019) Prevalence of Taurodont and Pyramidal Mandibular Molars in a Turkish Cypriot Population. Türk Dişhekimleri Birliği 25. Uluslararası Dişhekimliği Kongresi [Oral Presentation]

7.3.26. **Aksoy Umut**, Kermeoğlu Fatma, Şehirli Ahmet Özer, Savtekin Gökçe, Kalender Atakan, Özkayalar Hanife, Sayiner Serkan. (2019) Anti-Inflammatory Effects of Melatonin and 5-MTX on Lipopolysaccharide-Induced Acute Pulpitis in Rats. The 20th Scientific Congress of Asian Pacific Endodontic Confederation & The 14th International Congress of Turkish Endodontic Society, İstanbul [Oral Presentation]

7.3.27. **Aksoy Umut**, Aksoy Seçil, Fırıncioğulları Müjgan, Orhan Kaan (2019). KKTC Toplumunda Fenestrasyon ve Dehisens Prevalansının Konik Işınlı Bilgisayarlı Tomografi ile Değerlendirilmesi. 3. Uluslararası Oral Diagnoz ve Maksillofasiyal Radyoloji Derneği Kongresi, [Oral Presentation]

7.3.28. Fırıncioğulları Müjgan, Mısırlı Gülbeş Melis, Aksoy Seçil, **Aksoy Umut** (2019). Pulpa Taşı Prevalansının Konik Işınlı Bilgisayarlı Tomografi Kullanılarak Değerlendirilmesi. 3. Uluslararası Oral Diagnoz ve Maksillofasiyal Radyoloji Derneği Kongresi, [Poster Presentation].

7.3.29. Kolsuz Mehmet Eray, Evli Cengiz, **Aksoy Umut**, Koohnavard Mehrdad, Aksoy Seçil, Orhan Kaan (2022). Influence of Voxel Size on Detecting Vertical Root Fracture using Cone Beam Computed Tomography: Preliminary Study. 18th European Congress of DentoMaxilloFacial Radiology [Oral Presentation]

7.3.30. İnönü Nildem, **Aksoy Umut**, Aksoy Seçil, Orhan Kaan (2022). Kıbrıs Türk Popülasyonunda Mandibular ve Maksiller Anterior Dişlerin Kök Kanal Morfolojilerinin Konik Işınlı Bilgisayarlı Tomografi ile İncelenmesi. 26. Türk Diş Hekimleri Birliği Uluslararası Dişhekimliği Kongresi [Oral Presentation]

7.3.31. Erdag Emine, Kucuk Meltem, **Aksoy Umut**, Abacioglu Nurettin, Sehirli Ahmet Ozer. An in silico evaluation of ligands targeting the NLRP3/caspase-1 inflammasome pathway in the

management of endodontic diseases. 5th International Eurasian Conference on Biological and Chemical Sciences, Ankara [Oral Presentation]

7.3.32. Aksoy Umut, Dandache Ghassan, Özel Mehmet Birol, Orhan Kaan (2022) Anatomic Comparison Of Contralateral Maxillary Second Molars Using Micro-CT. 4th International Congress of Oral Diagnosis & Maxillofacial Radiology Society, Kuşadası, İzmir, Turkey [Oral Presentation]

7.3.33. Sebai Abdullah, Şehirli Ahmet Ozer, Sayiner Serkan, Orhan Kaan, **Aksoy Umut** (2023) Effects of N-Acetyl-L-Cysteine Against Apical Periodontitis in Rats with Adriamycin-Induced Cardiomyopathy and Nephropathy. 21st Biennial Congress of the European Society of Endodontology, Helsinki, 7-9 September [Oral Presentation]

7.3.34. Ayaz Selin Nur, Küçük Meltem, **Aksoy Umut** (2023) Assessing Patient Knowledge and Perceptions of Endodontics in Northern Cyprus. 15. Uluslararası Türk Endodonti Derneği Kongresi, Bursa, 8-10 Haziran [Oral Presentation]

7.3.35. Saleh Mahdis, Kırmızı Dilan, Şehirli Ahmet Özer, **Aksoy Umut** (2023) Bibliometric Analysis of Animal Research Publication Trends in Endodontic Journals Over 5-Years. 15. Uluslararası Türk Endodonti Derneği Kongresi, Bursa, 8-10 Haziran [Oral Presentation]

7.3.36. Buhara Oğuz, Aksoy Secil, **Aksoy Umut**, Pehlivan Salahi, Orhan Kaan (2023). Oral Lökoplaki'nin Malign Dönüşümü İçin En Yüksek Risk Faktörleri: Monte Carlo Simülasyonu. 2nd International Congress of Oral Cancer, İzmir, 5-8 Ekim [Oral Presentation].

7.4. National/International Books or Book Chapters

7.4.1. Aksoy Umut, Özkayalar Hanife, Orhan Kaan (2020). Micro-CT in Comparison with Histology in the Qualitative Assessment of Bone and Pathologies. In: Orhan, K. (eds) Micro- computed Tomography (micro-CT) in Medicine and Engineering. Springer, Cham. https://doi.org/10.1007/978-3-030-16641-0_8.

7.4.2. Orhan Kaan, **Aksoy Umut**, Aksoy Seçil. (2024). Applications of AI in endodontics and restorative dentistry. In Artificial intelligence in dentistry (pp. 69-81). Cham: Springer International Publishing.

7.4.3. Orhan Kaan, Delantoni Antigoni, Kırmızı Dilan, **Aksoy Umut**. (2024). Future Prospective. In Digital Dentistry: An Overview and Future Prospects (pp. 323-332). Cham: Springer International Publishing.

7.5. Articles Published in National Peer-Reviewed Journals

7.5.1. Aksoy Umut, Kermeoğlu Fatma. (2016) Kök Kanallarının Şekillendirilmesi Sırasında Karşılaşılan İşlemsel Hatalar ve Önlemleri. Türkiye Klinikleri Journal of Endodontics-Special Topics. 2(3):38-48.

7.5.2. Kermeoğlu Fatma, **Aksoy Umut**. (2017) Vital Pulpa Dokusu ve Pulpanın Diş Çürüğüne Cevabı. Türkiye Klinikleri Journal of Endodontics-Special Topics. 3(3):149-59.

7.5.3. Aksoy Umut, Kalender Atakan, Basmacı Fatma, Orhan Kaan. (2016) Derleme: Palatogingival Oluk. Ankara Üniversitesi Diş Hekimliği Fakültesi Dergisi. vol.43, 23-27.

7.5.4. Aksoy Umut, Aksoy Seçil, Firinciogluları Müjgan, Orhan Kaan. (2019) KKTC toplumunda fenestrasyon ve dehisens prevalansının konik ışınli bilgisayarlı tomografi ile değerlendirilmesi. Selcuk Dental Journal 6 (4), 317-322.

7.5.5. Sakallı Buğçe, Kermeoğlu Fatma, **Aksoy Umut**. (2020) Klinik Kullanım Sonrası Ni-Ti Döner Aletlerdeki Defektlerin Araştırılması. Ankara Üniversitesi Diş Hekimliği Fakültesi Dergisi. 47:(1- 3),63-68.

7.5.6. Küçük Meltem, Kermeoğlu Fatma, Kalender Atakan, **Aksoy Umut**. (2020) Farklı Konsantrasyonlardaki Sodyum Hipoklorit Solüsyonlarının Endodontik Tedavili Dişlerin Kirilme Direncine Etkisi. Ankara Üniversitesi Diş Hekimliği Fakültesi Dergisi, 47(1-3),69-74.

7.5.7. : Küçük Meltem, **Aksoy Umut**, Şehirli Ahmet Özer. (2023) Pelargonium sidoides: A possible preventive role in the development of endodontic flare-up. Turkish Endodontic Journal 2023;8:159-166.

7.5.8. Firinciogluları Müjgan, Aksoy Seçil, Gülbeş Melis, **Aksoy Umut**, & Orhan Kaan. (2024). The prevalence and distribution of pulp stones: A cone-beam computed tomography study in a group of Turkish patients. ADO Klinik Bilimler Dergisi, 13(3), 496-502.

8. Projects

8.1. Principal Investigator, in the project titled "Investigation of the Effect of Alpha Lipoic Acid (ALA) on the Inflammatory Response in Experimentally Induced Acute Pulpitis in Rats," supported under the Scientific Research Projects of Near East University (Project No: 2016-04039)

8.2. Principal Investigator, in the project titled "Evaluation of the Effectiveness of Different Techniques for the Removal of Calcium Hydroxide from Internal Resorption Cavities Using Micro-Computed Tomography," supported under the Scientific Research Projects of Near East University (Project No: SAG-2019-1-057)

- 8.3.** Researcher, in the project titled “Investigation of the Effect of Bromelain on Periodontal Destruction in Rats with Experimentally Induced Periodontitis,” supported under the Scientific Research Projects of Beykent University (Project No: 2019-20-BAP-01)

9. Administrative Responsibilities

9.1. Head of the Department of Endodontics, Faculty of Dentistry, Near East University (2021–2022)

9.2. Vice Director, Institute of Health Sciences, Near East University (2020–2021)

9.3. Vice Director, Institute of Graduate Studies, Near East University (2021–2024)

9.4. Member, Education Commission, Faculty of Dentistry, Near East University (2022–2024)

9.5. Member, Faculty Board, Faculty of Dentistry, Near East University (2023–2024)

9.6. Member, Board of Directors, Quality and Accreditation Coordination Office, Near East University (2023–2024)

9.7. Vice-Rector, Near East University (2024–)

9.8. Chair, Ethics Committee, Near East University (2024–)

10. Memberships in Scientific and Professional Organizations

- 10.1.** European Society of Endodontology
- 10.2.** European Academy of Dentomaxillofacial Radiology
- 10.3.** Turkish Endodontic Society
- 10.4.** Oral Diagnosis and Maxillofacial Radiology Society
- 10.5.** Association of Turkish Cypriot Doctors

11. Awards

11.1. Young Researcher Award, Near East University Experimental Health Sciences Research Center, 2015

11.2. Scientific Publication Award, Near East University Experimental Health Sciences Research Center, 2016

11.3. Publication Award, Near East University, 2018

11.4. Publication Award, Near East University, 2021

11.5. Publication Award, Near East University, 2022

12. Undergraduate and Graduate Courses Taught in the Last Two Years

Academic Year	Semester	Course Name	Weekly Hours		Number of Students
			Theoretical	Practical	
2023-2024	Fall and Spring	3rd Year Turkish Theoretical Blocks Dental Tissue Diseases and Treatment Block	1	-	189
	Fall and Spring	3rd Year English Theoretical Blocks Dental Tissue Diseases and Treatment Block	1	-	60
	Fall and Spring	3rd Year Turkish Practical Block	-	8	189
	Fall and Spring	3rd Year English Practical Block	-	4	90
	Fall and Spring	4th Year Theoretical Blocks Pediatric Dentistry and Orthodontics Block	1		192
	Fall and Spring	3rd Year Turkish Theoretical Blocks Dental Tissue Diseases and Treatment Block	1	-	118

2025-2026	Fall and Spring	3rd Year English Theoretical Blocks Dental Tissue Diseases and Treatment Block	1	-	60
	Fall and Spring	2nd Year Turkish Practical Block	-	8	105
	Fall and Spring	2nd Year English Practical Block	-	4	50
	Fall and Spring	4th Year Theoretical Blocks Pediatric Dentistry and Orthodontics Block	1	-	195
	Fall and Spring	4th Year Turkish Evidence-Based Dentistry	1	-	195
	Fall and Spring	4th Year English Evidence-Based Dentistry	1	-	100