

**ACADEMIC
CURRICULUM VITAE**

1. Name - Surname: Meltem Kucuk

2. Title: Assistant Professor

3. Educational Background:

Degree	Department/Program	University	Year
Bachelor's	Dentistry	Hacettepe University	2010
PhD	Endodontics	Near East University	2018

4. Master's / PhD Thesis

4.1. PhD Thesis Title: The Efficacy of Different Irrigation Methods on Dentinal Tubule Penetration of 2% Chlorhexidine, QMix, and Irritrol: A Confocal Laser Scanning Microscopy Study.

5. Academic Titles:

Date of Assistant Professorship: February 16, 2021

6. Publications

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

6.1.1. Erdag, E., **Kucuk, M.**, Aksoy, U., Abacioglu, N., & Ozer, A. (2023). Docking Study of Ligands Targeting NLRP3 Inflammatory Pathway for Endodontic Diseases. *Chem Methodol*, 7(3), 200-210.

6.1.2. Küçük, M., Aksoy, U., & Şehirli, A. Ö. (2022). Possible protective effects of the Bmal1 gene and melatonin on the prognosis of apical periodontitis. *Medical Hypotheses*, 162, 110806.

6.1.3. Saricam, E., Yusufoğlu, S. İ., **Kucuk, M.**, Geneci, F., Mert, O., & Celik, H. H. (2022). Micro-computed tomography assessment of triple antibiotic paste removal using different irrigation methods. *European Oral Research*, 56(1), 49-54.

6.1.4. Kucuk, M., Tunca, Y. M., Erdem, O., Cetinkaya, S., & Demirkaya, K. (2021). Efficacy of preheated chelating agents on calcium ion removal from instrumented root canals. *Journal of Clinical and Experimental Dentistry*, 13(10), e1015.

6.1.5. Saricam, E., **Küçük, M.**, & Akyol, M. (2021). Evaluation of EDTA, QMix, and Irritrol solutions activated with Er, Cr: YSGG and diode lasers on the push-out bond strength of filling material. *Microscopy Research and Technique*, 84(4), 584-591.

6.1.6. Aksoy, U., **Küçük, M.**, Versiani, M. A., & Orhan, K. (2021). Publication trends in micro-CT endodontic research: a bibliometric analysis over a 25-year period. *International Endodontic Journal*, 54(3), 343-353.

6.1.7. Kermeoglu, F., **Küçük, M.**, Aksoy, U., & Orhan, K. (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.

6.1.8. **Küçük, M.**, & Kermeoğlu, F. (2019). Efficacy of different irrigation methods on dentinal tubule penetration of Chlorhexidine, QMix and Irritrol: A confocal laser scanning microscopy study. *Australian Endodontic Journal*, 45(2), 202-208.

6.2. Articles Published in Other International Peer-Reviewed Journals

6.2.1. **Küçük, M.**, Aksoy, U., & Şehirli, A. Ö. (2023). Pelargonium sidoides: A possible preventive role in the development of endodontic flare-up. *Turkish Endodontic Journal (TEJ)*, 8(3), 159-166.

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

6.3.1. Ayaz SN, **Küçük M**, Aksoy U. Assessing Patient Knowledge and Perceptions of Endodontics in Northern Cyprus. 15th International Congress of the Turkish Endodontic Society, 8-10 June, 2023 Bursa/Türkiye (Oral Research).

6.3.2. Erdag E, **Kucuk M**, Aksoy U, Abacioglu N, Sehirli AO. 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. November 23-25, 2022 Ankara/Türkiye (Oral Research).

6.3.3. Alhabib, Y., Unsal, G., Temelci, A., & **Kucuk, M.** Treatment of a Secondarily Infected Nasopalatine Duct Cyst: A Case Report. the International Conference on General Health Sciences (ICGeHeS). June 10- 13, 2021 İstanbul/Türkiye (Oral Research).

6.3.4. Çalışkan, A., **Küçük, M.**, & Alagöz, L. G. Endodontic and Restorative Treatment of Mandibular First Molar Tooth with Radix Entomolaris Variation: A Case Report. International Hippocrates Congress on Medical and Health Sciences, 1-3 of March 2019 Ankara/Türkiye (Oral Research).

6.3.5. **Kucuk M**, Tunca YM, Kermeoğlu F & Cosan G. Evaluation of Penetration Depth of Final Irrigation Solutions into Dentinal Tubules. The 14th International Congress of Turkish Endodontic Society. 24-27 April 2019 Istanbul/Türkiye (Poster).

6.3.6. **Küçük M**, Greaves TB & Tunca YM. Bypassing Fractured Instrument During Root Canal Treatment: A Case Report. İzmir Chamber of Dentists 24th International Scientific Congress and Exhibition, 10-12 of December 2017 İzmir/Türkiye (Poster).

6.3.7. Greaves TB, **Küçük M** & Tunca YM. Maxillary Molar Root-canal Treatment with Four Roots and Canals: A Case Report. İzmir Chamber of Dentists 24th International Scientific Congress and Exhibition, 10 - 12 of December 2017 İzmir/Türkiye (Poster).

6.3.8. Kermeoğlu F, Kalender A, Aksoy U & **Küçük M**. The Effect of Two Different Concentrations of Sodium Hypochloride Irrigation Solutions on Fracture Resistance of Endodontically Treated Teeth. 13th International Congress of the Turkish Endodontic Society, 26- 29 of May 2016 Nevşehir/Türkiye (Poster).

6.4. Articles Published in National Peer-Reviewed Journals

6.4.1. **Küçük, M.**, Kermeoğlu, F., Kalender, A., & Aksoy, U. (2020). Effect of Sodium Hypochlorite Solutions in Different Concentrations on The Fracture Resistance of Endodontically Treated Teeth. Ankara University Faculty of Dentistry Journal, 47(1-3), 69-74.

6.4.2. **Küçük, M.**, Kermeoğlu, F., & Kalender, A. (2016). Contemporary Irrigation Solutions, Systems and Devices Used in Endodontics. Annals of Health Sciences Research, 5(1), 29-37.

7. Projects

7.1. Researcher in the Doctoral Thesis Research Project titled " The Efficacy of Different Irrigation Methods on Dentinal Tubule Penetration of 2% Chlorhexidine, QMix, and Irritrol: A Confocal Laser Scanning Microscopy Study" (Project No: SAG-2017-01-044), supported within the scope of Near East University Scientific Research Projects.

8. Memberships in Scientific and Professional Organizations

8.1. The Chamber of Turkish Cypriot Dentists (2010-Present)

9. Awards

9.1. TÜBİTAK 2219 International Postdoctoral Research Scholarship, 2022

9.2. Near East University, Publication Award, 2021

9.3. Near East University, Young Researcher Award, 2019

9.4. European Union Scholarship for the Turkish Cypriot Community, 2018

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

Academic Year	Semester	Course Name	Weekly Hours		Number of Students
			Theoretical	Practical	
2021 - 2022	Fall	Technological Developments in Endodontics	1	-	63
	Fall and Spring	Pulpal Diseases and Classification (For Ph.D.)	1	-	3
	Spring	2nd Year Theoretical Committee Diseases and Treatments of Dental Tissues	1	-	95
	Fall	3rd Year Theoretical Committee Diseases and Treatments of Dental Tissues	1	-	189
	Spring	3rd Year Theoretical Committee Systemic Diseases	1	-	189
2022 - 2023	Fall	Technological Developments in Endodontics (Undergraduate)	1	-	73
	Fall	2nd Year Practical Committee	-	8	100
	Fall	3rd Year Theoretical Committee Diseases and Treatments of Dental Tissues	1	-	92
	Fall	5th Year Theoretical Committee Patient Groups Requesting Special Care and Geriatric	1	-	195
	Fall	5th Year Theoretical Committee Current Approaches and Oral Implantology	1	-	195
	Fall	Evidence-Based Dentistry	1	-	186