

Prof. KAAAN ORHAN



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Publons / Web Of Science ResearcherID: I-4026-2019

ScopusID: 8502419700

Yoksis Researcher ID: 18279



Education Information

Expertise In Medicine, Ankara University, Dış Hekimliği Fakültesi, Klinik Bilimler Bölümü, Turkey 2016 - 2020

Postgraduate, Ankara University, Sağlık Bilimleri Enstitüsü, Turkey 2014 - 2016

Doctorate, Ankara University, Sağlık Bilimleri Enstitüsü, Oral Diagnoz Ve Radyoloji (Dış Hekimliği) (Dr), Turkey 1998 - 2003

Doctorate, Osaka University, Dış Hekimliği Fakültesi, Dış Hekimliği Fakültesi, Japan 2000 - 2002

Undergraduate, Ankara University, Dış Hekimliği Fakültesi, Turkey 1993 - 1998

Biography

Kaan Orhan, DDS MSc MHM PhD, BA, Dr. Hc is Dean and a Professor of DentoMaxilloFacial Radiology at the Ankara University, Faculty of Dentistry, where he serves as a faculty in Dentomaxillofacial Radiology Department, Ankara University, Ankara, Turkey, was also visiting Professor between 2018-2020 at the OMFS-IMPACT Research Group, Department of Imaging and Pathology, University of Leuven, Belgium. He is currently also a visiting Professor at the Lublin University Faculty of Medicine in Poland and Semmelweis University in Hungary. He also received the title "Doctor Honoris Causa" from Semmelweis University in 2023.

Dr. Orhan received his dental degree in 1998 and completed his PhD and Maxillofacial radiology residency studies in 2002 at the Osaka University Faculty of Dentistry in Osaka, Japan and Ankara University, Faculty of Dentistry. In 2004, he started his academic career in Ankara University as a consultant at the Faculty of Dentistry. Between 2004-2006, he worked as Maxillofacial consultant and lecturer in the same University. He became an associate professor in 2006 and a full-time professor in 2012. 2007-2010, he was the founder and the chairman of Dentomaxillofacial Radiology Department, Near East University, Cyprus.

He has over 400 international publications on peer-reviewed journals, and received over 10000 citations from his studies with an h index 56. He particularly made significant contributions in the Maxillofacial Radiology. He has been

invited to give many lectures in national and international scientific meetings. He served as the chairman of Research and Scientific Committee, European Academy of DentoMaxillofacial Radiology (EADMFR) between 2008-2012 and he was elected for the Vice president position (2012-2014) and then served as the President of EADMFR (2014-2016). He also served in the Research and Scientific com in IADMFR (2011-2023) and elected for the president position (2025-2027).

He is a fellow of American Academy of Oral and Maxillofacial Radiology (AAOMFR), Japanese Board of DentoMaxillofacial Radiology, European Head and Neck Radiology Society (ESHNR), European society of Magnetic Resonance in Medicine and Biology (ESRMB), Turkish Magnetic Resonance Society,

He was a Board member of specialization committee in Ministry of Health and served as the recognition of Dentomaxillofacial Radiology specialty in Turkey. He is editor of several journals and also reviewer more than 50 different medical journals. He is co-author and contributor of more than 10 books both in English and Turkish.

Prof. Dr. Kaan Orhan was included in the "World's Most Influential Scientist" list, which was published by Stanford University in 2021-2024, at the rate of 2% according to academic and scientific performance among 7 million researchers all over the world. In 2020, he received the "Innovative Dentist of the Year" award with his work titled Artificial Intelligence Application in Dentistry. Besides, The Lincoln R. Manson-Hing Honorable Mention Award given by the Oral Maxillofacial Radiology Association of America in 2018 and 2019, and the Ankara University Science Award in 2018, the Turkish Dental Society Oral and Dental Health 2nd Prize in 2015, and the "52nd Prize in Dental Health" in 2011. Japanese Congress of DentoMaxillofacial Radiology". He received the European Congress of DentoMaxillofacial Radiology", the best study award in 2008. "Yoshida Manufacturing Award" at the "7th Asia Oral and Maxillofacial Radiology" congress in 2008.

Foreign Languages

English, C1 Advanced

Japanese, B2 Upper Intermediate

German, A2 Elementary

Certificates, Courses and Trainings

Measurement and Evaluation, Eğitimde Ölçme Değerlendirme, Ankara Üniversitesi, 2022

Dissertations

Expertise In Medicine, Manyetik rezonans görüntülemeye kullanılan sirküler tip yüzeyel koilin homojen olmayan sensitivitesinin bilgisayar programı yardımıyla düzeltilerek temporomandibular eklem ve patolojilerinin incelenmesi, Ankara University, Dış Hekimliği Fakültesi, Klinik Bilimler Bölümü, 2003

Research Areas

Health Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Ankara University, Diş Hekimliği Fakültesi, Klinik Bilimler Bölümü, 2012 - Continues

Associate Professor, Ankara University, Diş Hekimliği Fakültesi, Klinik Bilimler Bölümü, 2006 - 2012

Expert, Ankara University, Diş Hekimliği Fakültesi, Klinik Bilimler Bölümü, 2003 - 2006

Academic and Administrative Experience

Vice Rector, Ankara University, 2024 - Continues

Dean, Ankara University, Diş Hekimliği Fakültesi, 2020 - Continues

Near East University, 2008 - 2010

Near East University, 2007 - 2010

Ankara University, 2006 - 2007

Courses

Doctorate

Uzmanlık Alan Dersi, Doctorate, 2017 - 2018

Seminer, Doctorate, 2017 - 2018

45302105 Radyolojide adli diş hekimliği uygulamaları, Doctorate, 2017 - 2018

45302115 Sistemik hastalıklar ve diş hekimliği uygulamaları, Doctorate, 2017 - 2018

45302075- TME Patolojileri Ve Radyolojisi, Doctorate, 2016 - 2017

45302119- Radyolojik Raporlama, Doctorate, 2016 - 2017

45301051 Sistemik Hastalıklar ve Dişhekimliği Uygulamaları, Doctorate, 2014 - 2015

45301053 Panoramik Görüntüleme, Doctorate, 2014 - 2015

İntraoral Yumuşak Doku Lezyonlarında Tanıya Varma, Doctorate, 2009 - 2010

Dijital ve 3 Boyutlu görüntüleme ve planlama teknikleri, Doctorate, 2009 - 2010

Dentomaksillofasiyal bölge MR uygulamaları, Doctorate, 2009 - 2010

Kardiovasküler Hastalığı bulunan Hastaların Değerlendirilmesi, Doctorate, 2009 - 2010

Adli dişhekimliğinde radyoloji, Doctorate, 2008 - 2009

Ultrasonographic applications of Dento Maxillofacial imaging, Doctorate, 2008 - 2009

Ekstra-oral Teknikler/Radyasyon zararları ve radyasyondan korunma, Doctorate, 2008 - 2009

Temporomandibular Eklem hastalıkları ve görüntüleme teknikleri, Doctorate, 2008 - 2009

Salivary Gland disease and radiographic imaging, Doctorate, 2008 - 2009

Dentomaksillofasiyal bölge CT uygulamaları, Doctorate, 2008 - 2009

Maksiller sinüs patolojileri ve radyolojisi, Doctorate, 2008 - 2009

İntraoral ve ekstraoral radyografi teknikleri, anatomik landmarklar, Doctorate, 2008 - 2009

Oral Dianozda Laser uygulamaları, Doctorate, 2008 - 2009

Klinik ve Radyografik değerlendirme, Doctorate, 2007 - 2008

Intraoral ve Ekstraoral muayene, Doctorate, 2007 - 2008

Vital Bulgular, Doctorate, 2007 - 2008

Anamnez, Doctorate, 2007 - 2008

Undergraduate

Muayne ve Muayene Formu, Undergraduate, 2017 - 2018

Oral Diajnoza Giriş, Undergraduate, 2017 - 2018

Temporomandibula Eklem, Undergraduate, 2017 - 2018

ORAL DİAGNOZ VE RADYOLOJİ, Undergraduate, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2010 - 2011, 2009 - 2010

Supervised Theses

ORHAN K., Farklı maloklüzyon tiplerinde temporomandibuler eklem ve çevresindeki yapılardaki osseöz değişiklikler ve morfometrik ölçümler, Postgraduate, S.EŞME(Student), 2021

ORHAN K., ÖSTAKİ TÜPÜNÜN VE KOMŞU ANATOMİK YAPILARIN KONİK IŞINLI BİLGİSAYARLI TOMOGRAFİ KULLANILARAK ANATOMİK VE MORFOMETRİK OLARAK RETROSPEKTİF DEĞERLENDİRİLMESİ, Dental Specialty, U.SEKİ(Student), 2018

ORHAN K., Temporal kemiğin ve komşuluklarının konik ışınli bilgisayarlı tomografide farklı fov ve voksel büyüklüklerinde anatomik ve morfolojik retrospektif değerlendirilmesi, Dental Specialty, N.YETİMOĞLU(Student), 2016

ORHAN K., Konik ışınli komputerize tomografi kullanılarak üç boyutlu olarak paranasal sinüs ve varyasyonlarının üst havayolu anatomisi ile birlikte incelenmesi, Doctorate, S.AKSOY(Student), 2013

ORHAN K., Konik ışınli komputerize tomografi kullanarak Fossa pterygopalatina, Fissura pterygomaxillaris, Nasopalatin (Insisiv) kanal ve çevresindeki yapıların anatomik olarak bir grup Türk popülasyonunda retrospektif incelenmesi, Doctorate, M.İÇEN(Student), 2012

Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Uluslararası Final Üniversitesi, May, 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Evaluation of the relationship of the sigmoid sinus with the facial nerve and semicircular canals in terms of mastoid surgery**
Demir B. T., Altıntaş H. M., Bilecenoğlu B., ORHAN K.
Surgical and Radiologic Anatomy, vol.47, no.1, 2025 (SCI-Expanded)
- II. **Decreasing edema with platysma exercises following third molar extraction surgery: A randomized controlled trial**
Olmez S. B., YAZICI G., ÖNDER M., Volkan-Yazici M., KAFA N., EVLİ C., ÖZLÜ M., ORHAN K.
Complementary Therapies in Clinical Practice, vol.59, 2025 (SCI-Expanded)
- III. **Evaluation of Respiratory Conditions in Individuals Undergoing Rapid Maxillary Expansion: A Computational Fluid Dynamics Study**
Alan A., UĞURLU M., BAYRAKDAR İ. Ş., GÖNÜLDAŞ F., de Castro Lopes S. L. P., Ferreira Costa A. L., ORHAN K.
Diagnostics, vol.15, no.5, 2025 (SCI-Expanded)
- IV. **Does dexmedetomidine induce bone regeneration in cranial defects in rabbits?**
Erkan G. N., Tekin U., Boyacıoğlu Ö., KORKUSUZ P., ORHAN K., Kirman B., Önder M. E.
Biotechnic & histochemistry : official publication of the Biological Stain Commission, vol.100, no.2, pp.83-88, 2025 (SCI-Expanded)
- V. **Deep Learning-Based Periapical Lesion Detection on Panoramic Radiographs**
Szabó V., ORHAN K., Dobó-Nagy C., Veres D. S., Manulis D., Ezhov M., Sanders A., Szabó B. T.
Diagnostics, vol.15, no.4, 2025 (SCI-Expanded)
- VI. **Effect of cleft palate type and manufacturing method on feeding plate adaptation: A volumetric micro-computed tomography analysis**
Akinci O., OĞUZ E. İ., Bozkurt P., KADIOĞLU M. B., OCAK M., ORHAN K., KİŞNİŞCİ R. Ş.

- VII. **Comparative Analysis of Local Application of Titanium-Platelet Rich Fibrin (T-PRF) and Leukocyte-Platelet Rich Fibrin (L-PRF) in Bone Defect Healing: A Micro-CT and Histopathological Study in Rabbit Models**
Yaşar N. Ç., Ünsal G., ARIKAN KOCAELLİ H., ORHAN K., SAĞ F. B.
Microscopy Research and Technique, 2025 (SCI-Expanded)
- VIII. **Retrospective evaluation of ponticulus posticus prevalence, sella turcica types, and stylohyoid complex calcifications in a group of Turkish population**
Kurbanova A., Polat Balkan E., İNCEBEYAZ B., Aksoy S., ORHAN K.
Anatomical Science International, vol.100, no.1, pp.54-63, 2025 (SCI-Expanded)
- IX. **Segmentation of the nasopalatine canal and detection of canal furcation status with artificial intelligence on cone-beam computed tomography images**
Deniz H. A., BAYRAKDAR İ. Ş., NALÇACI R., ORHAN K.
Oral Radiology, 2025 (SCI-Expanded)
- X. **Segmentation of periapical lesions with automatic deep learning on panoramic radiographs: an artificial intelligence study**
Boztuna M., Firincioglu M., Akkaya N., ORHAN K.
BMC Oral Health, vol.24, no.1, 2024 (SCI-Expanded)
- XI. **Prediction of bone invasion of oral squamous cell carcinoma using a magnetic resonance imaging-based machine learning model**
Ozturk E. M. A., Unsal G., Erisir F., ORHAN K.
EUROPEAN ARCHIVES OF OTO-RHINO-LARYNGOLOGY, vol.281, no.12, pp.6585-6597, 2024 (SCI-Expanded)
- XII. **Investigation of the relationship between the mandibular third molar teeth and the inferior alveolar nerve using posteroanterior radiographs: a pilot study**
Apaydin B. K., Icoz D., Uzun E., ORHAN K.
BMC ORAL HEALTH, vol.24, no.1, 2024 (SCI-Expanded)
- XIII. **Evaluation of tooth development stages with deep learning-based artificial intelligence algorithm**
KURT A., GÜNAÇAR D. N., Şilbir F. Y., Yeşil Z., BAYRAKDAR İ. Ş., ÇELİK Ö., BİLGİR E., ORHAN K.
BMC Oral Health, vol.24, no.1, 2024 (SCI-Expanded)
- XIV. **Evaluation of temporomandibular joint disc displacement with MRI-based radiomics analysis**
DUYAN YÜKSEL H., ORHAN K., EVLİCE B., KAYA Ö.
DENTOMAXILLOFACIAL RADIOLOGY, no.1, pp.19-27, 2024 (SCI-Expanded)
- XV. **The Effect of Micro-Computed Tomography Thresholding Methods on Bone Micromorphometric Analysis**
Büyüksungur A., Szabó B. T., Dobai A., Orhan K.
JOURNAL OF FUNCTIONAL BIOMATERIALS, vol.15, no.11, pp.343-354, 2024 (SCI-Expanded)
- XVI. **Public health challenges after the February 6 earthquakes: A comprehensive review of immediate and long-term impacts in Türkiye**
Koçer A. T., Akpek A., VURAL A., ASLAN ARAS A., Erkoç A., Özen A. M., Şahin A., Oktay A., Şenol A. A., Batoğlu-Karaaltın A., et al.
International Journal of Disaster Risk Reduction, vol.114, 2024 (SCI-Expanded)
- XVII. **Violence and sharp force trauma in Nusaybin/Girnavaz Mound/Türkiye Late Roman–Early Islamic human remains**
Köroğlu T., Erol A., Ocak M., Orhan K.
International Journal of Osteoarchaeology, vol.34, no.6, 2024 (AHCI)
- XVIII. **The use of intraoral ultrasound in the evaluation of the benign lesions in pediatric patients**
Ünsal G., ORHAN A. I., ORHAN K., Ertürk A. F., Özcan İ., Marrapodi M. M., Ciccìu M., Minervini G.
Minerva pediatrics, vol.76, no.5, pp.703-710, 2024 (SCI-Expanded)
- XIX. **A deep learning approach to detection of oral cancer lesions from intra oral patient images: A preliminary retrospective study**
KESER G., NAMDAR PEKİNER F. M., BAYRAKDAR İ. Ş., ÇELİK Ö., ORHAN K.

Journal of Stomatology, Oral and Maxillofacial Surgery, vol.125, no.5, 2024 (SCI-Expanded)

- XX. **Investigation of Phase Transformation and Fracture Pattern as a Result of Long-Term Chewing Simulation and Static Loading of Reduced-Diameter Zirconia Implants**
Seçkiner P. A., Gönüldaş F., Akat B., Buyuksungur A., Orhan K.
Materials, vol.17, no.19, 2024 (SCI-Expanded)
- XXI. **Progress of Artificial Intelligence-Driven Solutions for Automated Segmentation of Dental Pulp Space on Cone-Beam Computed Tomography Images. A Systematic Review**
Alfadley A., Shujaat S., Jamleh A., Riaz M., Aboalela A. A., Ma H., ORHAN K.
Journal of Endodontics, vol.50, no.9, pp.1221-1232, 2024 (SCI-Expanded)
- XXII. **Dental caries and associated factors among Turkish children and adults: Findings from the 3rd National Oral Health Survey**
ORHAN A. I., ALKAN A., ORHAN K., TEZEL A., Karaoglanoglu S., ÖZTAŞ D.
Community Dentistry and Oral Epidemiology, vol.52, no.4, pp.499-508, 2024 (SCI-Expanded)
- XXIII. **Micro-CT evaluation of the effect of various ScRp instrumentation methods on cement loss, porosity and micro-crack formation**
Yıldız H., Bağış N., Camgöz M., Karacaoğlu F., Ocak M., Orhan K.
International Journal of Dental Hygiene, vol.22, no.3, pp.588-595, 2024 (SCI-Expanded)
- XXIV. **Gender-Specific Variations in Greater Palatine Foramen Anatomy: Insights from CBCT Scans in the North Cyprus Population**
Fahrioglu S. L., Firincioglu M., ORHAN K.
Medical Science Monitor, vol.30, 2024 (SCI-Expanded)
- XXV. **Scientific integrity in the era of predatory journals: Insights from an editors in chief symposium**
Benyó Z., Clementi E., Cremers S., Dávid B., Guzik T., Heusch G., Jarvis M., ORHAN K., Seifert R., Tímár J., et al.
British Journal of Pharmacology, vol.181, no.15, pp.2387-2390, 2024 (SCI-Expanded)
- XXVI. **Validation of artificial intelligence application for dental caries diagnosis on intraoral bitewing and periapical radiographs**
Szabó V., Szabo B. T., ORHAN K., Veres D. S., Manulis D., Ezhov M., Sanders A.
Journal of Dentistry, vol.147, 2024 (SCI-Expanded)
- XXVII. **Comparative Evaluation of Temporomandibular Condylar Changes Using Texture Analysis of CT and MRI Images**
Ogawa C. M., Flaiban E., Ricardo A. L. F., Lopes D. L. G., de Oliveira L. A. P., de Almeida B. M., de Oliveira Lira A., ORHAN K., de Castro Lopes S. L. P., Costa A. L. F.
Applied Sciences (Switzerland), vol.14, no.16, 2024 (SCI-Expanded)
- XXVIII. **Automatic deep learning detection of overhanging restorations in bitewing radiographs**
MAĞAT G., Altındag A., Hatipoglu F. P., HATİPOĞLU Ö., BAYRAKDAR İ. Ş., ÇELİK Ö., ORHAN K.
DENTOMAXILLOFACIAL RADIOLOGY, 2024 (SCI-Expanded)
- XXIX. **Comparison of Three Commercially Available, AI-Driven Cephalometric Analysis Tools in Orthodontics**
Kazimierczak W., Gawin G., Janiszewska-Olszowska J., Dyszkiewicz-Konwinska M., Nowicki P., Kazimierczak N., Serafin Z., ORHAN K.
JOURNAL OF CLINICAL MEDICINE, vol.13, no.13, 2024 (SCI-Expanded)
- XXX. **Accuracy of Artificial Intelligence for Cervical Vertebral Maturation Assessment-A Systematic Review**
Kazimierczak W., Jedlinski M., Issa J., Kazimierczak N., Janiszewska-Olszowska J., Dyszkiewicz-Konwinska M., Rozylo-Kalinowska I., Serafin Z., ORHAN K.
JOURNAL OF CLINICAL MEDICINE, vol.13, no.14, 2024 (SCI-Expanded)
- XXXI. **Tooth numbering and classification on bitewing radiographs: an artificial intelligence pilot study**
Altındağ A., Bahrilli S., ÇELİK Ö., BAYRAKDAR İ. Ş., ORHAN K.
Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, vol.137, no.6, pp.679-689, 2024 (SCI-Expanded)
- XXXII. **MgCa-Based Alloys Modified with Zn- and Ga-Doped CaP Coatings Lead to Controlled Degradation and Enhanced Bone Formation in a Sheep Cranium Defect Model**
Gokyer S., Monsef Y. A., BÜYÜKSUNGUR S., Schmidt J., Vladescu Dragomir A., Uygur S., Oto C., Orhan K., HASIRCI V.

- N., HASIRCI N., et al.
ACS BIOMATERIALS SCIENCE & ENGINEERING, no.7, pp.4452-4462, 2024 (SCI-Expanded)
- XXXIII. **Development and Validation of an Ultrasonography-Based Machine Learning Model for Predicting Outcomes of Bruxism Treatments**
ORHAN K., YAZICI G., ÖNDER M., EVLİ C., Volkan-Yazici M., KOLSUZ M. E., BAĞIŞ N., KAFA N., GÖNÜLDAŞ F.
DIAGNOSTICS, vol.14, no.11, 2024 (SCI-Expanded)
- XXXIV. **A Deep Learning Approach to Automatic Tooth Caries Segmentation in Panoramic Radiographs of Children in Primary Dentition, Mixed Dentition, and Permanent Dentition**
AŞCI E., Kilic M., ÇELİK Ö., Cantekin K., Bircan H. B., BAYRAKDAR İ. Ş., ORHAN K.
CHILDREN-BASEL, vol.11, no.6, 2024 (SCI-Expanded)
- XXXV. **Morphological Variations of the Nasopalatine Canal in the North Cyprus Population: A Cone Beam Computed Tomography Study**
Firincioglulari M., ORHAN K.
Medical Science Monitor, vol.30, 2024 (SCI-Expanded)
- XXXVI. **The Detection of Pulp Stones with Automatic Deep Learning in Panoramic Radiographies: An AI Pilot Study †**
Altındağ A., Bahrilli S., ÇELİK Ö., BAYRAKDAR İ. Ş., ORHAN K.
Diagnostics, vol.14, no.9, 2024 (SCI-Expanded)
- XXXVII. **In vitro caries-preventive effect of a mineralization-promoting peptide combined with fluoride gel on sound primary teeth**
Yaşar M., Bal C., Aksoy M., GÜNGÖRMÜŞ M., ORHAN K.
International Journal of Paediatric Dentistry, vol.34, no.3, pp.256-266, 2024 (SCI-Expanded)
- XXXVIII. **A potential novel technique for measurement of pulp volume on periapical radiography: A pilot study**
Satir S., Ozel S., ORHAN K.
KAOHSIUNG JOURNAL OF MEDICAL SCIENCES, vol.40, no.5, pp.499-505, 2024 (SCI-Expanded)
- XXXIX. **Relationships between Interleukin 18 -607 C/A and -137 G/C, Osteopontin -9250 C/T Genetic Polymorphisms and Systemic Inflammatory Response Syndrome in Coronary Artery Bypass Graft Surgery**
KÖSE S. K., Karahilal B., Engin B., Aydoğdu G., Yağar S., ORHAN K.
Medicina (Lithuania), vol.60, no.5, 2024 (SCI-Expanded)
- XL. **Evaluation of morphological and morphometric characteristics of the temporomandibular joint in children with different skeletal models in the sagittal and vertical direction**
Sırlı Yılmazturk S., BOZDEMİR E., ORHAN K., ORHAN H.
Oral Radiology, vol.40, no.2, pp.178-187, 2024 (SCI-Expanded)
- XLI. **Second mesiobuccal canal segmentation with YOLOv5 architecture using cone beam computed tomography images**
DUMAN Ş. B., ÇELİK ÖZEN D., BAYRAKDAR İ. Ş., Baydar O., Alhajja E. S. A., Helvacioğlu Yiğit D., ÇELİK Ö., Jagtap R., Pileggi R., ORHAN K.
Odontology, vol.112, no.2, pp.552-561, 2024 (SCI-Expanded)
- XLII. **Artificial intelligence system for automatic maxillary sinus segmentation on cone beam computed tomography images.**
Bayrakdar I. S., Elfayome N. S., Hussien R. A., Gulsen I. T., Kuran A., Gunes I., Al-Badr A., Celik O., Orhan K.
Dento maxillo facial radiology, 2024 (SCI-Expanded)
- XLIII. **Prediction of extraction difficulty for impacted maxillary third molars with deep learning approach.**
Torul D., Akpınar H., Bayrakdar I. S., Celik O., Orhan K.
Journal of stomatology, oral and maxillofacial surgery, pp.101817, 2024 (SCI-Expanded)
- XLIV. **Evaluation of the Sigmoid Sinus Morphology by Cone Beam Computed Tomography; Touchstone of the Posterior Cranial Fossa**
Demir B. T., Akduman D., Bilecenoğlu B., ORHAN K.
World Neurosurgery, vol.183, 2024 (SCI-Expanded)

- XLV. Evaluation of Microvoid and Microleakage Potential of Bulk-Fill Resin Composites in MOD Restorations**
Canik G., Ulusoy N., Orhan K.
COATINGS, vol.2024, no.1, pp.1-10, 2024 (SCI-Expanded)
- XLVI. Correction: Alan et al. Evaluation of the Breastfeeding Dynamics of Neonates with Ankyloglossia via a Novel Ultrasonographic Technique. Diagnostics 2023, 13, 3435**
Alan A., Orhan A. I., Orhan K.
DIAGNOSTICS, vol.2024, no.2, pp.1-10, 2024 (SCI-Expanded)
- XLVII. The Effect of Gravity on Marginal Integrity of Different Flowable Bulk-Fill Resin Composites**
BALTACIOĞLU İ. H., DEMİREL G., KOLSUZ M. E., ORHAN K.
MEDICINA-LITHUANIA, vol.60, no.3, 2024 (SCI-Expanded)
- XLVIII. The utilization of decision trees on orthopantomographic and lateral panoramic graphs for the diagnosis of unilateral anterior disc displacement of the temporomandibular joint**
Naralan M. E., Cakir B., Orhan K.
BMC ORAL HEALTH, vol.2024, no.1, pp.1-10, 2024 (SCI-Expanded)
- XLIX. Effects of melatonin against experimentally induced apical periodontitis in rats**
Orhan K.
INTERNATIONAL ENDODONTIC JOURNAL, vol.1, no.1, pp.1-10, 2024 (SCI-Expanded)
- L. Effects of N-acetyl-L-cysteine against apical periodontitis in rats with adriamycin-induced cardiomyopathy and nephropathy**
Şehirli A. Ö., Aksoy U., Sibai A., ORHAN K., Saymer S.
International Endodontic Journal, vol.57, no.2, pp.195-207, 2024 (SCI-Expanded)
- LI. Marginal adaptation of bulk-fill resin composites with different viscosities in class II restorations: a micro-CT evaluation**
Baltacıoğlu İ. H., Demirel G., Öztürk Dedeoğlu B., Orhan K.
BMC ORAL HEALTH, vol.24, no.228, pp.1-8, 2024 (SCI-Expanded)
- LII. The micro CT evaluation of crown and root pulp volume versus dentin thickness in teeth in postmortem interval (PMI)**
Cetin S., Akbulut N., ORHAN K., Bilecenoglu B., OCAK M., Bayram E., Altan A., Eren B., Silsupur S., Oner B. S.
Forensic Science, Medicine, and Pathology, 2024 (SCI-Expanded)
- LIII. Prevalence of Multiple Miliary Type of Osteoma Cutis in the Maxillofacial Region as an Incidental Finding: A Retrospective Cone Beam Computed Tomography Study**
Gündüz K., Serindere G., Avsever H., ORHAN K.
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- LIV. Development and validation of an artificial intelligence software for periodontal bone loss in panoramic imaging**
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- XLV. **ORTOPANTOMOGRAFLAR ÜZERİNDE KRON-KÖPRÜ RESTORASYONLARI, DİŞ İMPLANTLARI VE DİŞLERİN YAPAY ZEKA TABANLI OTOMATİK SEGMENTASYONU**
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- XLVII. **HIZLI MAXİLLER GENİŞLETME YAPILAN BİREYLERDE SOLUNUM KOŞULLARININ DEĞERLENDİRİLMESİ: HESAPLAMALI AKIŞKANLAR DİNAMİĞİ ÇALIŞMASI**
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- L. **DİGASTRİK KASIN ÖN KARNININ VARYASYONLARI VE KALINLIKLARI: ULTRASONOGRAFİK BİR ÇALIŞMA.**

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- LI. **Evaluation of the Effect of Rebonding Agent Applied on Compomer and Bulk-Fill Composite Restorations on Microleakage, Surface Roughness and Microhardness**

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- LII. **, AI-Based Automatic Segmentation of Craniomaxillofacial Anatomy from CBCT Scans for Automatic Detection of Pharyngeal Airway Evaluations in OSA patients.**

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- LIII. **Osseous changes and morphometric measurements in the temporomandibular joint and its surrounding structures in different types of malocclusion.**

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- LIV. **Computed Tomography-based Artificial Intelligence System in the Diagnosis of COVID-19**

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- LV. **Preliminary evaluation of envisaged points to be used with artificial intelligence models – A pilot study**

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- LVI. **Detecting periodontal bone loss with an artificial intelligence approach on dental bitewing radiographs**

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- LVII. **TOOTH NUMBERING AND CLASSIFICATION IN DENTAL BITEWING IMAGES: AN ARTIFICIAL INTELLIGENCE PILOT STUDY.**

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- LVIII. **DETERMINATION OF STAFF DOSES AFTER IRRADIATION WITH A HANDHELD X-RAY DEVICE**

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- LIX. **Thresholding methods effect on Micromorphometrical analysis of mouse tibia.**

Szabó B. T. S., BÜYÜKSUNGUR A., ORHAN K.

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- LX. **INFLUENCE OF VOXEL SIZE ON DETECTING VERTICAL ROOT FRACTURE USING CONE-BEAM COMPUTED TOMOGRAPHY : PRELIMINARY STUDY.**

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- LXI. **AUTOMATIC SEGMENTATION OF PAROTID GLAND USING DEEP LEARNING**

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- LXII. **Could micro-CT be a new and non-destructive method to differentiation of tumoral and non-tumoral lesions in paraffin embedded tissue blocks of the mediastinal lymph nodes of patients with operated**

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- LXIV. **Derin Öğrenme Yöntemi ile Periapikal ve Bite-wing Radyografların Değerlendirilerek Periodontal Açıdan Sağlıklı ve Periodontitisli Şeklinde Sınıflandırılması**
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- LXV. **DETECTION OF PULP STONES WITH AUTOMATIC DEEP LEARNING IN PANORAMIC RADIOGRAPHIES: AN AI PILOT STUDY.**
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- LXVI. **DETECTION AND NUMBERING OF TEETH IN CONE-BEAM COMPUTED TOMOGRAPHY IMAGES WITH ARTIFICIAL INTELLIGENCE ALGORITHMS BASED ON DEEP LEARNING METHOD III**
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- LXIX. **EVALUATION OF PERIAPICAL AND BITE-WING RADIOGRAPHS WITH DEEP LEARNING METHOD AND CLASSIFICATION AS PERIODONTALLY HEALTHY AND WITH PERIODONTITIS**
YAVUZ M. B., SALI N., KURT BAYRAKDAR S., BAYRAKDAR İ. Ş., ÇELİK Ö., ORHAN K.
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- LXX. **The effect of gravity on silver nitrate penetration on flowable bulk-fill composites**
BALTACIOĞLU İ. H., DEMİREL G., KOLSUZ M. E., ORHAN K.
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- LXXI. **İki Farklı Dijital Teknik ile Üretilen Tam Protezlerinin Uyumunun Değerlendirilmesi**
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- LXXIII. **Automated Dental Panoramic Image Segmentation Using Transfer Learning Based CNNs**
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- LXXIV. **Bite-wing radyografilerde otomatik segmentasyon için bir derin öğrenme yaklaşımı**
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- LXXV. **Ortognatik Cerrahi Sonrası M.Masseter'in Aktivite-Elastisite-Boyutsal Değişimlerinin Uzun Dönem Değerlendirilmesi**
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MEMİKOĞLU T. U.

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LXXVI. **Küçük Hücreli Dışı Akciğer Kanseri (KHDAK) Olgularında Lenf Nodu Metastazları 3D Mikro BT ile Saptanabilir mi?**

KAYI CANGIR A., ORHAN K., GÜNEŞ S. G., ÖZAKINCI H., KAHYA Y., KARASOY D., SAK S.

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LXXVII. **Detection of Tooth Numbering, Gingival Inflammation, Gingival Hyperplasia and Frenulum in Dental Photographs Using Artificial Intelligence Algorithms: An Initial Study**

YAVUZ M. B., SALI N., UĞURLU M., KURT BAYRAKDAR S., BAYRAKDAR İ. Ş., ÇELİK Ö., BEKLEN A., KÖSE O., ORHAN K.

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LXXVIII. **A New Method in the Detection of Lymph Node Metastasis of Non-Small Cell Lung Cancer: 3D Micro-CT**

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LXXX. **Artificial intelligence in dental radiographic Education**

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LXXXII. **The influence of maxillary sinus width on lateral sinus floor elevation outcomes**

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LXXXIII. **A deep-learning model for idiopathic osteosclerosis detection on dental panoramic radiographs**

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LXXXV. **3D MİKRO-BT GÖRÜNTÜLEME YÖNTEMİ İLE KÜÇÜK HÜCRELİ DIŞI AKCİĞER KANSERİNDE METASTATİK VE NONMETASTATİK LENF NODLARININ KARŞILAŞTIRMALI DEĞERLENDİRİLMESİ**

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- LXXXIX. **Development of Plga Nanoparticles to Promote Alveolar Bone Regeneration**
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- XCI. **Performance of a convolutional neural network algorithm for teeth detection and numbering on periapical radiographs**
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- XCII. **Evaluation of the Stability of Different Desensitizing Agents Against Demineralization Using Micro-CT**
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- XCIII. **Dental Periapikal Radyografilerin Derin Öğrenme Yöntemine Bağlı Yapay Zeka Algoritmaları ile Değerlendirilmesi**
ARI T., SAĞLAM H., BAYRAKDAR İ. Ş., BİLGİR E., ÇELİK Ö., ODABAŞ A., ASLAN A. F., ORHAN K.
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- XCIV. **Detection of Periodontal Bone Loss Types and Furcation Defects from Panoramic Radiographs with Deep Learning Algorithms**
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- XCv. **PANORAMİK RADYOGRAFİLERDE OTOMATİK DİŞ ALGILAMA VE NUMARALANDIRMA İÇİN DERİN ÖĞRENME YAKLAŞIMI: BİR YAPAY ZEKÂ PİLOT ÇALIŞMASI**
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- XCVI. **Lefkoşa devlet burhan nalbantoğlu hastanesinde ağız içi sküamoz hücreli kanser prevalansı**
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- XCvII. **KKTC'deki diş hekimleri arasında oral kanser bilgi ve farkındalığı: anket çalışması**
FIRINCIOĞULLARI M., MISIRLI M., AKSOY S., ORHAN K.
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- XCvIII. **Prevalence of Oral Premalign Lesions in the Hatay Region: A Retrospective Study**
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- XCIX. **Çenelerin metastatik tümörlerinin radyolojik ve Histopatolojik özellikleri**
ünsal g., ORHAN K., ÇAKIR H., KOCA ÜNSAL R. B.
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- C. **Klinikte malignite şüphesi taşıyan gingival lezyonların usg ve histopatolojik değerlendirmesi**
KOCA ÜNSAL R. B., ÜNSAL G., SOLUK TEKKEŞİN M., ORHAN K., ÖZCAN İ.
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- CI. **Kkctc toplumunda diş hekimliği fakültesine başvuran Hastaların oral kanser hakkındaki bilgi ve farkındalığı:Anket çalışması**
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- CII. **Karsinoma in situ: nadir olgular serisi**
ALAN A., ORHAN K.
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- CIII. **Segmentation of Teeth Region via Machine Learning in Panoramic X-Ray Dental Images Panoramik X-Ray Dis Görüntülerinde Dis Bölgesinin Makine Öğrenimi ile Bölütlenmesi**

Guven A, YETİK İ. Ş., Culhaoglu A., ORHAN K., Kilicarslan M. A.

28th Signal Processing and Communications Applications Conference, SIU 2020, Gaziantep, Turkey, 5 - 07 October 2020

CIV. Larinks kanserleri: tanı ve tedavi alternatifleri

AMASYA H., ORHAN K.

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CV. Marginal Adaptation of Bulk-fill Resin Composites with Different Viscosities in Class II Restorations by Micro-CT Evaluation

ÖZTÜRK B., BALTACIOĞLU İ. H., DEMİREL G., ORHAN K.

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CVI. Pre-heating vs sonic delivery on internal void formation of dental composites

DEMİREL G., AYDIN F., ORHAN A. I., IRMAK Ö., Büyüksungur A., ORHAN K.

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CVII. The Effect of Pre-Heating and Sonic Insertion Techniques on Internal Void Formation in Composite Resins

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CVIII. Comparison of the Different Voxel Size in the Estimation of Peri-implant Fenestration Defects Using Cone Beam Computed Tomography: An In-Vitro Study

BAĞIŞ N., KURT M. H., ORHAN K., ATAKAN C.

PIEG, 21 - 24 November 2019

CIX. Comparison of the Optimization Filters in the Estimation of Peri-implant Fenestration Defects Using Cone Beam Computed Tomography: An In-Vitro Study

BAĞIŞ N., KURT M. H., ORHAN K., ATAKAN C.

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CX. Dijital iş Akışında yenilikler ve yapay zeka

ORHAN K.

Modern Diş Hekimliğinde Dijital Yaklaşımlar Sempozyumu, Konya, Turkey, 18 November 2019

CXI. Comparison of organ and effective doses between low-dose Multi-slice CT and Cone-beam CT protocols for paediatric dental exposures

ORHAN K., JACOBS R., pauwels r., KOLSUZ M. E., STRATIS A., bosmans h., SAĞSÖZ M. E., SÜMBÜLLÜ M. A.

Swedish Dental Association meeting, 13 - 15 November 2019

CXII. Handson- CBCT course.

ORHAN K., ROZYLO KALINOWSKA I.

Handson- CBCT course, Baku, Azerbaijan, 9 - 10 November 2019

CXIII. Diş hekimliğinde Yapay Zeka ve Derin Öğrenme Teknikleri

ORHAN K.

Modern Diş Hekimliğinde Dijital Yaklaşımlar Sempozyumu, Konya, Turkey, 01 November 2019

CXIV. Evaluation of different MRI protocols for orbital soft tissue segmentation

WILLAERT R., ORHAN K., DETOBEL J., BOGAERTS S., RUIJTERS S., SHAHEEN E., JACOBS R.

Insights into imaging, 23 - 24 October 2019, vol.10, pp.23-24

CXV. CBCT Evaluation of Root Canal Morphology of Mandibular Premolars in a Turkish Cypriot Population: A Retrospective Study

DANDACHE G., AKSOY U., AKSOY S., ORHAN K.

Beirut international dental meeting, 3 - 05 October 2019

CXVI. Comparison of organ and effective doses between low-dose multi-slice ct and cone-beam ct protocols for pediatric maxillofacial exposures

ORHAN K., JACOBS R., PAUWELS R.

- CXVII. **Three-Dimensional Volumetric Analysis of the Maxillary Sinus: A CBCT Study**
GÜLEÇ M., TAŞSÖKER G., MAGAT G., LALE B., ÖZCAN S., ORHAN K.
CED-IADR/NOF Oral Health Research Congress, 19 - 21 September 2019
- CXVIII. **Evaluation of mandibular trabecular microstructure of rat mandible and dry human mandible by using micro-computed tomography**
OCAK M., AKKUŞ O., ORHAN K., BİLECENOĞLU B.
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- CXIX. **Comparison of the Optimization Filters in the Estimation of Peri-implant Dehiscence Defects Using Cone Beam Computed Tomography: An In-Vitro Study**
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- CXXIII. **Maksiller Sinüs Hacmi Konka Büllöza, Nazal Septal Deviasyon ve Gömülü Dişlerden Etkilenir mi? KIBT Çalışması**
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- CXXV. **Dişlerin Kök-Kanallarının Yapay Zeka Programı ile Analizi: Ön Çalışma**
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- CXXVI. **KIBT ve Panoramik Radyografteki Artiküler Eminens Açılarının Karşılaştırılması: Retrospektif çalışma**
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- CXXXV. **Oral mukoza biyopsilerinin retrospektif olarak incelenmesi**
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KILIÇARSLAN M., İLHAN M., ORHAN K.
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- CXLIII. **Contemporary imaging techniques in pediatric dentistry with interactive case discussions**
ORHAN K.
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- CXLIV. **Non-Destructive 3D Imaging and Quantitative Analysis of Clindamycin Phosphate Loaded PLGA Nanoparticles by Using Nano-CT**
KILIÇARSLAN M., İLHAN M., ORHAN K.
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- CXLVI. **DIAGNOCAT: An artificial intelligence (AI) system that could help to plan endodontic diagnosis and treatment,**
ORHAN K., ÖZYÜREK T.
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- CXLVII. **“clues at your fingertips: 1-day ultrasound hands-on course”**
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- CXLVIII. **“the T in the TMJ “**
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- CXLIX. **” Interactice Case Discussions”**
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- CL. **Radiation dose from DMFR**
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- CLI. **PR and CBCT reading session.**
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- CLIX. **Akciğer Kanseri Olgularında 3D Mikro-BT Görüntülerin ile Histopatolojik İncelemenin Karşılaştırılması**
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- CLXI. **Akciğer kanserli olgularda 3d mikro-bt ile Elde edilen görüntülerin histopatolojik İnceleme ile karşılaştırılması**
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OĞUZ İ. E., AKALTAN K. F., ORHAN K.
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- CLXIII. **Assessment of the differences in paranasal sinuses oral upper airway anatomy in the Anatolian and Cypriot population by mean of tomography**
KOLSUZ M. E., AKSOY S., BİLECENOĞLU B., BOZKURT P., ORHAN K.
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- CLXXIII. **Follow up master hyperthyropathy management via ultrasonography and face scan:two case reports**
EREN H., ORHAN K., BAĞIŞ N.
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- CLXXVI. **Effects of the alpha-lipoic acid therapy on experimentally induced apical periodontitis in rats: a biochemical, histopathological and micro-ct analysis**
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- CLXXVII. **Assesment of for. magnum and its surrounding structures in different malocculsions**
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EREN H., BAĞIŞ N., ORHAN K.
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- CLXXX. **A CBCT Study Defining the Voxel Size Threshold to Detect Different Sized Osseous Defects of the Mandibular Condyle**
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- CLXXXIII. **Salivary Gland Tumors in Maxillofacial Region: A Mult-Central Retrospective Study**
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- CLXXXIV. **Giant osteoma of the mandible: Ultrasonography guided surgery**
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- CLXXXV. **Assesment of bone changes in temporomandibular joint using CBCT**
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- CLXXXVI. **The T in TMJ: Image Modalities and Basic Diagnostics Needs**
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- CC. **New technology trends and their use in the dental digital workflow: What to expect in the future?**
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- CCI. **Real-time thermographic analysis of mature and young permanent teeth treated with 940 nm and 975 nm diode lasers**
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- CCIII. **Organ Doses from Dental X-Ray Exposures**
SAĞSÖZ M. E., SÜMBÜLLÜ M. A., KOLSUZ M. E., pauwels r., stratis a., jacobs r., ORHAN K.
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YILMAZ D., ORHAN K.
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- CCV. **Diagnostic accuracy of magnetic resonance imaging and clinical signs of temporomandibular joint disorders**
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ORHAN K., ROZYLO KALINOWSKA İ., YETİMOĞLU ÖZDİL N., SEKİ U.
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- CCXIII. **Dentigerous cyst associated with maxillary third molar: A case report**
ALTINDAĞ A., ORHAN K., BOZKURT P.
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- CCXIV. **An Interesting Case of Bilateral Mastoiditis Mimicking Like Temperomandibular Joint Disorder**
ATAY GÖRÜR S., ORHAN K.
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- CCXV. **UNUSUAL SYMPTOMS OF THE ORBITAL CAVERNOUS HEMANGIOMA: A CASE REPORT MIMICKING MAXILLARY SINUS PAIN**
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- CCXVI. **Tips And Tricks For Enhancing Your Daily Dental Practice Using Cone Beam Computed Tomography (CBCT)**
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- CCXVII. **Semi-Supervised Method for Determining the Maxillary and Mandibular Boundaries on Panoramic**

Radiographs

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CCXIX. **CONE-BEAM COMPUTERIZED TOMOGRAPHY ASSESSMENT OF BUCCAL BONE AFTER CONSECUTIVELY MAXILLARY EXPANSIONS AND CONSTRICTIONS: A PRELIMINARY CLINICAL STUDY**

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CCXXI. **AN OVERVIEW OF TEMPOROMANDIBULAR JOINT (TMJ) DISORDERS WITH IMAGING TECHNIQUES**

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CCXXII. **CBCT evaluation of maxillary artery branches in a group of Anatolian patients**

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CCXXIII. **interactive analysis of interesting cases with radiological approach**

ORHAN K.

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CCXXIV. **Diagnostic X-Ray Dose Measurements on Tissue Equivalent Anthropometric Phantoms**

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CCXXVII. **ANALYSIS OF MAXILLARY FIRST MOLAR TEETHMORPHOLOGY USING MICRO-CT**

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CCXXVIII. **Incidental finding as inverted papilloma:a case report**

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CCXXIX. **INCIDENTAL FINDINGS IN CONE-BEAM COMPUTED TOMOGRAPHIC IMAGES: CALCIFICATIONS IN HEAD AND NECK REGION**

ALTINDAĞ A., AVSEVER İ. H., GÜNDÜZ K., AKYOL M., ORHAN K.

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CCXXX. **PROGRESSIVE CHERUBISM: A CASE REPORT**

CERİT E. N., ORHAN K., SARI Ş.

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CCXXXI. **ASSOCIATION BETWEEN ODONTOGENIC CONDITIONS AND MAXILLARY SINUS MUCOSAL THICKENING: A RETROSPECTIVE CBCT STUDY**

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- CCXXXII. **Micro-CT evaluation of void and gap formation in bulk-fill resin composites in class II Restorations**
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- CCXXXIII. **DELANTONI A. MINI SYMPOSIUM IN CONE-BEAM CT**
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- CCXXXVIII. **Morphometrical evaluation of temporal anatomy using Cone Beam CT Imaging**
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- CCXXXIX. **Evaluation of MR perfusion imaging for differentiation of ameloblastoma and keratocystic odontogenic tumour**
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- CCXL. **Case report: A sigmoid sinus venous angioma mimicking Temporomandibular Joint Disorder**
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- CCLX. **Morphometric evaluation of Temporal bone using cone beam CT**
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- CCLXIV. **Pemphigus Vulgaris with Gingival Involvement a Rare Case Report**
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- CCLXV. **Bilateral Branches of Canalis Sinuosus A Rare Anatomical Phenomenon**
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- CCLXXIII. **Morphometric Evaluation of the Nosalacrimal Canal Using CBCT**
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- CCLXXIV. **Radiologic Evaluation of Central Giant Cell Granuloma in a Child after Intralesional Steroid Injection An 8 Year Follow up Case**
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ORHAN K., YETİMOđLU ÖZDİL N., SEKİ U., ÖRMECİ T.
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- CCCXVII. **comparison of incidental findings between normal and obstructive sleep apnae patients using cone beam computed tomography scans**
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CCCXXVII. **periodontal ve periapikal lezyonların konik ışınli komputeriize tomografilerde yorumlanması**

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KÖŞTEN G., hanttash a., ORHAN K.

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CCCXXXV. **incidental diagnosis of partial empty sella two case reports**

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ORHAN K., avsever h.

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CCXXXVII. **retrospective evaluation of optic canal and surrounding structures using CBCT**

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- CDIII. **determination of gender by measuring the maxillary frontal and sphenoid sinuses in forensic medicine**
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- CDIV. **rutin muayenemizi geliştirmek için konik ışınli komputerize tomografi CBCT uygulamaları**
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- CDX. **bir grup türk popülasyonunda genç daimi mandibular molar dişlerin kök ve kanal ilişkilerinin konik ışınli komputerize tomografi ile incelenmesi**
ORHAN A. I., ORHAN K., şener e., öz f., BİLTEKİN D., SAYIN H.
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- CDXI. **an undifferentiated spondyloarthropathy of TMJ case report with radiographic findings**
ORHAN K., AKSOY S., İÇEN M., IŞIK ÖNER A., KADIOĞLU ATEŞ H.
13rd european congress of dentomaxillofacial radiology congress, Leipzig, Germany, 13 - 16 June 2012
- CDXII. **digital imaging receptors vs cbct for detection of fractured endodontic files**
ORHAN K., KALENDER A., AKSOY U., BASMACI F., İNCE M. E.
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- CDXIII. **mucoepidermoid carcinoma of maxilla a case report with radiologic findings**
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- CDXIV. **evaluation of soft tissue equivalent substitutes on detection of proximal caries**
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- CDXV. **the prevalence of impacted and transmigrated maxillary and mandibular canine**
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- CDXVI. **CBCT evaluation of anatomy and pattern of pneumatization on the sphenoid sinus**
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- CDXVII. **Incidence of mandibular nutrient canals in periodontal diseases A prospective case control study using cone beam CT**
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- CDXVIII. **incidence of mandibular nutrient canals in periodontal diseases a prospective case control study using cone beam CT**
ORHAN K., TÜMER H., AKSOY S., BERBEROĞLU A.
europerio 7, viyana, Austria, 6 - 09 June 2012
- CDXIX. **panoramic radiographic findings of the patients who referred for dental implant rehabilitation**
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- CDXX. **upper airway assessment a 3D comparison of its validity comparing with 2D cephalometry**
abe n., ÖZ U., ORHAN K.
112th annual session american association of orthodontists, Hawaii, United States Of America, 3 - 08 May 2012
- CDXXI. **evaluation of lateral atlantodental interval in a turkish pediatric population using cone beam computed tomography**
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- CDXXII. **panoramic radiographic findings of totally and partially edentulous patients in a sample of turkish population**
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- CDXXIII. **cone beam CT evaluation of posterior superior alveolar artery in a turkish population**
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17th congress of the balkan stomatological society, Tirane, Albania, 3 - 06 May 2012
- CDXXIV. **Mr evaluation of the lingual nerve relation to the mandibular molar region**
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17th congress of the balkan stomatological society, Tirane, Albania, 3 - 06 May 2012
- CDXXV. **cone beam CT of bisphosphonate related osteonecrosis a report of two cases**
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- CDXXVI. **evaluation of atlantodental interval in a group of turkish population using 3d cbct images reconstructed from a volumetric rendering program**
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17th congress of the balkan stomatological society, Tirane, Albania, 3 - 06 May 2012
- CDXXVII. **cone beam ct evaluation of isolated fibrous dysplasia of TMJ**
İÇEN M., ORHAN K., AKSOY S., GÖRÜR D. İ., ÖZTÜRK A., ASLAN H. G.
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- CDXXVIII. **cone beam CT evaluation of pneumatized articular eminence in a turkish population**

- KÖSE S. K., ORHAN K., İÇEN M., AKSOY S., horasan s.
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- CDXXIX. **önüm arkam sağım solum radyoloji**
şirin ş., GÜNERİ P., sezer b., dülger o., ORHAN K., horasan s., Özdemir R.
17. ege bölgesi diş hekimliği odası paneli, Antalya, Turkey, 19 - 22 April 2012
- CDXXX. **compariosn of T2W FST2w and 3D FIESTA C sequences in the TMJ evaluation**
ORHAN K., AKSOY S.
american oral and maxillofacial radiology,62nd annual session, chicago, United States Of America, 7 - 10 December 2011
- CDXXXI. **The effect of posterior wall of maxillary sinus thickness on the morphology of the pterygopalatine canal**
ORHAN K., İÇEN M., şakül b. u., BİLECENOĞLU B., KÖSE S. K.
International Congress and exhibition of Computed Assisted Radiology and Surgery, Berlin, Germany, 22 - 25 June 2011
- CDXXXII. **Relationship among dental caries chronic sinusitis and paranasal sinuses anatomic variations in children using cone beam CT**
AKSOY S., ORHAN K., ORHAN A. I.
Proc.23rd International Congress of Pediatric Dentistry Congress, atina, Greece, 15 - 18 June 2011
- CDXXXIII. **In vitro comparison of conventional x ray film and digital radiography for primary teeth caries detection Proc 23rd International Congress of Pediatric Dentistry Congress**
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International Journal of Paediatric Dentistry, atina, Greece, 15 - 18 June 2011
- CDXXXIV. **Comparison of T2W FS T2W and 3D FIESTA C sequences in the TMJ evaluation**
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- CDXXXV. **Kuzey Kıbrıs Cumhuriyeti ndeki yetişkin popülasyonda gelişimsel diş anomalileri**
Can Karabulut D. C., Er F., SOLAK H., ORHAN K., CENGİZ E., AKSOY U., BASMACI F., AKSOY S., KARABULUT B.
15. Diş Hastalıkları ve Tedavisi Anabilim Dalları Toplantısı, Trabzon, Turkey, 25 - 27 October 2010
- CDXXXVI. **CBCT evaluation of bifid mandibular canal in a Turkish children population**
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88th General Session & Exhibition of the IADR, 14 - 17 July 2010
- CDXXXVII. **Evaluation of pterygomaxillary fissure junction with cone beam computed tomography using a 3D reconstruction program considerations for maxillary nerve block**
İÇEN M., ORHAN K., BİLECENOĞLU B., ŞAKUL B. U.
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- DXXXVIII. **Ca OH 2 içerikli gütaperka ve Ca OH 2 patının apeksifikasyon tedavisindeki etkinliklerinin karşılaştırmalı olarak değerlendirilmesi**
BEZGİN T., ORHAN K., SÖNMEZ H.
17. Türk Pedodonti Derneği Kongresi, Mardin, Turkey, 20 - 23 May 2010
- CDXXXIX. **An Erupted Complex Odontoma A Case report**
tuncer n., özgünger b. p., PAKSOY C. S., ORHAN K.
Proc. 8th International Congress of The Turkish Association of Oral and Maxillofacial Surgeons, Antalya, Turkey, 17 - 20 May 2010
- CDXL. **Osteochondroma of the mandible A case report**
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Proc. 5th Congress of the Balkan Stomatological Society, 13 - 16 April 2010
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Switzerland, 26 - 28 January 2010

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- CDXLIII. **Apexification of the injured teeth with calcium hydroxide plus points**
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15th World Congress on Dental Traumatology, Nagoya, Japan, 12 - 14 January 2008
- CDXLIV. **BUKKAL HEMANJİYOM İLGİNÇ BİR OLGU SUNUMU**
KOLSUZ M. E., ORHAN K., CEBECİ A. R. İ.
4. Oral Diagnoz ve Maksillofasiyal Radyoloji Bilimsel Sempozyumu, İstanbul, Turkey, 25 - 27 October 2007
- CDXLV. **GÖMÜLÜ KALMIŞ SÜT DİŞİ İLE BİRLİKTE GÖRÜLEN DENTİGERÖZ KİST OLGU RAPORU**
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- CDXLVI. **comparison of skletal maturation of cervical vertebrae and dental calcification stages in relation to chronological age using cone beam computed tomography preliminary results**
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- CDXLVII. **Management of cleft lip and plate in ectrodactyly ectodermal dysplasia clefing syndrome**
TÜRKOĞLU K., nihat t., ORHAN K.
Proc. 19th International Conference on Oral and Maxillofacial Surgery, şangay, China, 24 May 2011 - 27 January 2007
- CDXLVIII. **the assessment of implant stability of delayed and immediately loaded implants in the posteriror maxilla A clinical RFA study with comparison of peri implant bone changes using dental digital imaging**
ORHAN K., yıldırım g., ÜNSAL M. K., ÜNSAL E.
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- CDL. **Evaluation Of the Relationship Between Otomastoiditis and Temporomandibular Joint Disorders in a Group of TMJ Patients**
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- CDLI. **Solid adenoid cystic carcinoma of the maxilla Report of a case**
GÖRÜR D. İ., ORHAN K., erdem e., cebeci i., barış e.
Proc. 17th International Conference on Oral and Maxillofacial Surgery, viyana, Austria, 5 - 07 January 2005
- CDLII. **The prevalence and variations of oral mucosal lesions in a Turkish population**
ÜÇÖK C. Ö., ÖZEN T., DOĞAN N., ORHAN K., karakurumer K.
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- CDLIII. **Dynamic CE MRI of TMJ Diseases**
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44 Kansai-34 Kyushu Bilateral Dentomaxillofacial Radiology Congress, Nagoya, Japan, 24 November 2001
- CDLIV. **Cystic lesion of Temporomandibular Joint**
ORHAN K., nishiyama h., mitsunobu k., furukawa s.
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- CDLV. **A comparison between the signal intensity at the posterior band of TMJ on MR image and the state of disk displacement and morphology of the disk**
ORHAN K., nishiyama t., sasai t., murakami s., furukawa s.

Supported Projects

- ORHAN K., Project Supported by Higher Education Institutions, İndirekt pulpa kuafaj materyallerinin dentin mineral yoğunluđuna etkisinin incelenmesi, 2019 - Continues
- ORHAN K., Project Supported by Higher Education Institutions, Effect of Systemic Oxytocin Administration on New Bone Formation and Distraction Rate in Rabbit Mandible, 2018 - Continues
- ORHAN K., Project Supported by Higher Education Institutions, Aksesuar pulpa kanallarının Micro-CT ile incelenmesi, 2018 - Continues
- ORHAN K., Project Supported by Higher Education Institutions, Elde taşınabilir dental x-ışını cihazı ile yapılan ışınlamalar sonucu uygulayıcı ve hasta dozlarının değerlendirilmesi, 2017 - Continues
- ORHAN K., BOZKURT P., Project Supported by Higher Education Institutions, Tükürük Bez Kanallarında Bulunan Taşların Ultrasonografi Altında Kateterle Çıkarılmış Hastalarda Postoperatif Semptomlar ve Hasta Memnuniyeti Üzerine Etkilerinin Araştırılması, 2017 - Continues
- ORHAN K., Project Supported by Higher Education Institutions, Dental cerrahi işlemler sonrasında kemik rejenerasyonunda kullanılmak üzere büyüme faktörü ve antibiyotik yüklü nanopartikül, film ve greft materyali kombinasyonlarının hazırlanması ve mikro-BT ile değerlendirilmesi, 2017 - Continues
- Araz M., Kanat Ö. N., Ergüder B. İ., Orhan K., Fentođlu Ö., TUBITAK Project, Periodontitisli Osteoporotik Hastalarda, Osteoanabolik / Anti-Rezortif Ajanların Ve Periodontal Tedavinin Kemik Biyobelirteçleri, Büyüme Faktörleri Ve Yaşam Kalitesine Etkilerinin Deđerlendirilmesi, 2024 - 2027
- Kılıçarslan M., Orhan K., Oto Ç., Huri P., Kaya B., TUBITAK Project, Hypericum perforatum yüklü nanopartikül ve bor içeren yara örtüsü formülasyonlarının üç boyutlu yazıcı ile üretimi ve in vitro-in vivo araştırılması, 2022 - 2025
- Orhan K., Onbaşlar E. E., Çınkır Ş., Okumuş A., Ernas S., Kanat Ö. N., Project Supported by Higher Education Institutions, Ankara Üniversitesi'nin Araştırma Kapasitesinin Analizi ve İş Birliđi Ağlarının Araştırma Performansına Olan Etkisinin Araştırılması, 2023 - 2024
- Orhan K., Çetin Genç Ç., Deniz Y., Project Supported by Higher Education Institutions, Kemik Rejenerasyonunun değerlendirilmesinde Bilgisayarlı Mikro Tomografi ile Konik Işınlı Bilgisayarlı Tomografinin Karşılaştırılması Deneysel Hayvan Çalışması, 2023 - 2024
- Aras Tosun D., Orhan K., Can A., Sönmezer M., Oto Ç., Baysal E., Yazlık M. O., TUBITAK Project, Production of bioactive tissue scaffolds for improvement of neoangiogenesis in ovarian transplantation with three-dimensional printing and optimization of in vivo imaging methods for dynamic follow-up of vascularization, 2021 - 2024
- Bezgin T., Yılmaz U. Y., Büyüksungur A., Orhan K., Project Supported by Higher Education Institutions, Evaluation of Microleakage of Different Calcium Silicate Containing Agents in Partial Amputation Treatment, 2023 - 2023
- Orhan K., Project Supported by Other Official Institutions, Parsiyel Amputasyon Tedavisinde Farklı Kalsiyum Silikat İçerikli Ajanların Mikrosızıntısının Deđerlendirilmesi, 2023 - 2023
- Orhan K., Ocağ M., Akat B., Turkish National Agency, Anadolu ve Avrupa kraniyofasiyal morfolojisinin tarih öncesi insan popülasyonlarında genetik yakınlığın ve adaptasyonun incelenmesi, 2022 - 2023
- Paksoy C. S., Orhan K., TUBITAK Project, Yapay Zeka Algoritmaları Kullanarak Dental Radyograflerin Deđerlendirilmesini Sağlayan Yazılım Geliştirilmesi Klinik Teşhis ve Diş Hekimliği Eğitiminde Kullanılması, 2022 - 2023
- Bezgin T., Göçer A. R., Büyüksungur A., Orhan K., Project Supported by Higher Education Institutions, Süt Dişlerine Uygulanan Kompomer Ve Bulk-Fill Kompozit Restorasyonlarda Rebonding Ajanın Mikrosızıntı, Yüzey Pürüzlülüđü ve Mikrosertliğe Etkisinin Deđerlendirilmesi, 2022 - 2022
- Orhan K., Tekin U., Kırman B., Korkusuz P., Erkan G. N., Önder M. E., Project Supported by Higher Education Institutions, Tavşanlarda Sistemik Olarak Verilen Dexmedetomidinin, Kemik Defektlerinde İyileşme Üzerine Etkisinin İncelenmesi, 2021 - 2022
- Orhan K., Çelik Ö., TUBITAK Project, Development of Artificial Intelligence Algorithms for 2D and 3D DMFR Imaging, 2021 - 2022
- Orhan K., Project Supported by Higher Education Institutions, 2 ve 3 boyutlu dental radyograflerin yapay zekâ ile değerlendirilmesi, 2020 - 2022

Orhan K., Orhan A. I., Tezel A., Alkan A., Ministry of Health, Türkiye Ağız Dis Sağlığı Profili Araştırması (TADSAP) Projesi, 2018 - 2022

Orhan K., Project Supported by Higher Education Institutions, 3D MİKRO-BT GÖRÜNTÜLEME YÖNTEMİ İLE KÜÇÜK HÜCRELİ DIŞI AKCİĞER KANSERİNDE METASTATİK VE NONMETASTATİK LENF NODLARININ KARŞILAŞTIRMALI DEĞERLENDİRİLMESİ, 2020 - 2021

Orhan K., Project Supported by Higher Education Institutions, Deneysel Periodontitis Oluşturulan Sıçanlarda Bromelainin Periodontal Yıkma Olan Etkisinin Araştırılması, 2019 - 2021

Orhan K., Project Supported by Higher Education Institutions, Sağlıklı ve kardiyomyopati ratlarda oluşturulan deneysel apikal periodontitis modelinde sistemik olarak uygulanan melatonin ve n-asetilsistein'in enflamatuar yanıt üzerine etkilerinin biyokimyasal, histopatolojik ve radyolojik olarak incelenmesi, 2019 - 2021

Orhan K., Project Supported by Higher Education Institutions, İnternal rezorpsiyon kavitelerindeki kalsiyum hidroksitin farklı tekniklerle uzaklaştırılma etkinliklerinin mikro bilgisayarlı tomografi ile değerlendirilmesi, 2019 - 2021

Orhan K., Öztaş D., Tezel A., Orhan A. I., Alkan A., Ministry of Health, Türkiye Ağız Dis Sağlığı Profili Araştırması (TADSAP), 2018 - 2021

Oğuz E. İ., Bezgin T., Orhan K., Orhan A. I., Project Supported by Higher Education Institutions, Cam Fiber ve CAD/CAM Hibrit Pediatrik Kronların Uyumlarının Micro-CT ile Değerlendirilmesi, 2019 - 2020

Orhan K., TÜBİTAK International Bilateral Joint Cooperation Program Project, Establishing a virtual cone beam computed tomography dedicated to image quality assessment, 2018 - 2020

Orhan K., Bozkurt P., Project Supported by Higher Education Institutions, Tükürük Bez Kanallarında Bulunan Taşların Ultrasonografi Altında Kateterle Çıkarılmış Hastalarda Postoperatif Semptomlar ve Hasta Memnuniyeti Üzerine Etkilerinin Araştırılması, 2018 - 2020

Kılıçarslan M., Orhan K., Project Supported by Higher Education Institutions, Dental cerrahi işlemler sonrasında kemik rejenerasyonunda kullanılmak üzere büyüme faktörü ve antibiyotik yüklü nanopartikül, film ve greft materyali kombinasyonlarının hazırlanması, mikro-BT değerlendirilmesi, 2017 - 2020

ORHAN K., KILIÇARSLAN M. A., Project Supported by Higher Education Institutions, Bruksizimli Hastalarda Oklüzal Splintlerin Çiğneme Kasları Üzerindeki Etkisinin Ultrasonografi ve Elektromyografi ile Değerlendirilmesi, Ankara Üniversitesi Araştırma Fonu, 18B0234002, Proje Araştırmacısı, 2019., 2018 - 2019

Tezel A., Orhan A. I., Orhan K., Karaoğlanoğlu S., Öztaş D., Project Supported by Other Official Institutions, Türkiye Ağız Dis Sağlığı Profili Araştırması (TADSAP) Projesi, 2018 - 2018

ORHAN K., Project Supported by Higher Education Institutions, Comparison of 1.5 and 3 T Magnetic Resonance Imaging MRI cephalometric study and MR sequence generation for cephalometric analysis, 2016 - 2018

ORHAN K., Project Supported by Higher Education Institutions, The evaluation of Dentoalveolar Muscle and Cortical Brain Activities of Functional Orthodontic Appliances for Class II Patients using Functional MR Imaging, 2016 - 2018

Orhan K., TÜBİTAK International Bilateral Joint Cooperation Program Project, Pediatrik Dental Radyografik İncelemelerinin Kanser Riskinin Değerlendirilmesi, 2016 - 2018

Orhan K., Kolsuz M. E., Sağsöz M. E., Sümbüllü M. A., Şakul B. U., Postdoctoral Research Program Project, Pediatrik Dental Radyografik İncelemelerinin Kanser Riskinin Değerlendirilmesi, 2016 - 2018

ORHAN K., KURT M. H., Project Supported by Higher Education Institutions, 1.5 Tesla ve 3 Tesla Gücündeki Manyetik Rezonans Görüntüleme Sistemlerinin Sabit ortodontik Aygıtlar Üzerindeki Etkisinin Karşılaştırmalı Olarak In Vivo ve In Vitro Olarak İncelenmesi, 2015 - 2017

ORHAN K., Project Supported by Higher Education Institutions, The evaluation of marginal and internal adaptation of Bull fill composites using Micro CT, 2015 - 2016

ORHAN K., Project Supported by Higher Education Institutions, The evaluation of re treatment potentials of newly developed root canal sealers using micro CT, 2015 - 2016

KOLSUZ M. E., ORHAN K., BALTACIOĞLU İ. H., DEMİREL G., Project Supported by Higher Education Institutions, Yerçekiminin akıcı bulk fill kompozitlerin marjinal ve internal adaptasyonuna etkisinin micro CT ile incelenmesi, 2015 - 2016

Orhan K., Project Supported by Higher Education Institutions, Yeni Geliştirilen Farklı Kök Kanal Dolgu Sistemlerinin Retreatment Edilebilirliğinin Mikro Bilgisayarlı Tomografi ile Değerlendirilmesi, 2015 - 2016

Orhan K., Universities of Other Countries Supported Project, Kuzey Kıbrıs Türk Cumhuriyeti Erişkinlerde Ağız Dis Sağlığı Profiline Belirlenmesi Yakın Doğu Üniversitesi KKTC Sağlık Bakanlığı Ortak Proje, 2012 - 2014

Orhan K., Other International Funding Programs, Yaşlanma sürecinde servikal vertebralardaki iskeletsel maturasyon ile paranazal sinüs havalanmasının yüksek çözünürlüklü CBCT taraması ile 3 boyutlu rekonstrüksiyonu elde edilerek karşılaştırılması, 2008 - 2010

Orhan K., Project Supported by Higher Education Institutions, Diş Hekimliği öğrencileri diş hekimliği ve yardımcı personelin kan civa seviyelerinin araştırılması, 2000 - 2001

Activities in Scientific Journals

ORAL RADIOLOGY, Assistant Editor/Section Editor, 2023 - Continues

Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, Committee Member, 2023 - Continues

BMC ORAL HEALTH, Committee Member, 2023 - Continues

BMC MEDICAL IMAGING, Committee Member, 2023 - Continues

ORAL RADIOLOGY, Evaluation Committee Member, 2023 - Continues

DIAGNOSTICS, Editor, 2023 - Continues

Memberships / Tasks in Scientific Organizations

IADMFR, Member of Science Committee, 2000 - Continues, United States Of America

EADMFR, Chairman, 2014 - 2016, Belgium

Peer Reviews in Scientific Publications

CLINICAL ORAL INVESTIGATIONS, SCI Journal, January 2023

DENTOMAXILLOFACIAL RADIOLOGY, SCI Journal, January 2023

Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, SCI Journal, January 2023

BMC ORAL HEALTH, SCI Journal, January 2023

Scientific Project Refereeing

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, January 2021

Metrics

Publication: 1043

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H-Index (WoS): 39

H-Index (Scopus): 39

Awards

Orhan K., Ankara Üniversitesi Bilim Ödülü, Ankara Üniversitesi, October 2018

Non Academic Experience

Diş Hekimleri Dekanlar Konseyi, Eğitim Alt komitesi

European Academy fo DentoMaxillofacial Radiology, Başkan

Ankara Üniversitesi Diş. Hek. fak., Profesör
TUK komisyonu, Komisyon üyesi
International Symposium on 3D Printing in Medicine, Organizasyon Komitesi
Diş hekimliği Dekanlar Konseyi, Mali İşler Komitesi
Ankara Üniversitesi Diş Hekimliği Fakültesi, Doçent Dr.
YakınDoğu Üniversitesi Diş Hekimliği Fakültesi, Doçent Dr.
Ankara Üniversitesi Diş Hekimliği Fakültesi, Doktora
GATA Diş Hekimliği Bilimleri Merkezi, Uzman Doktor
Ankara Üniversitesi Diş Hekimliği Fakültesi, Assitan
Osaka Üniversitesi Diş Hekimliği Fakültesi, Japonya, Araştırma Görevlisi