



## Assist. Prof. Dr. RANA TURUNÇ

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### EDUCATIONAL INFORMATION

Degree	University	Department	Year(s)
Bachelor's Degree	Yeditepe University	Dentistry Pr. (English)	2006 - 2011
Bachelor's Degree	Yeditepe University	Dentistry Pr. (english) (paid)	2006 - 2011

### RESEARCH AREAS

CAD/CAM, Artificial Intelligence, Large language models, Esthetic dentistry, Implantology, Adhesion, Color, Hypnosis, Temporomandibular Joint Disorders

### ACADEMIC DUTIES

Duty	University	Area	Year(s)
Doctor Faculty Member	Altinbas University	Department of Clinical Sciences	2019 -
Research Assistant	Istanbul Mediipol University	Department of Clinical Sciences	2012 - 2016

### ADMINISTRATIVE DUTIES

Duty	University	Year(s)
Head of Department	Altınbaş University	2024 - 2025
Quality Commission Membership	Altinbas University	2023 - 2024
Preclinic Coordination Commission Membership	Altinbas University	2021 - 2024
Accreditation Commission Membership	Altinbas University	2021 - 2023

### ACADEMIC AND PROFESSIONAL MEMBERSHIPS

Organisation	Membership	Year(s)
Turkish Prosthodontics and Implantology Association	Member	2023 -
European Prosthodontic Association	Member	2022 -
Istanbul Chamber of Dentists	Member	2016 -
Turkish Dental Association	Member	2016 -

### NON-UNIVERSITY EXPERIENCE

Country	Organisation	Duty	Year(s)
Turkey	Avrupa Dış Oral and Dental Health Polyclinic	Prosthodontist	2016 - 2018

### BOOKS

**İmplant Üstü Protezler - Sabit İmplant Üstü Restorasyonlar için Protokol ve Teknikler**  
Todd R. Schoenbaum, dds, ms Türkçe Çeviri Editörleri: Prof. Dr. Emir Yüzbaşıoğlu Prof. Dr. Murat Kurt  
İstanbul, 9786059382502, 2024

Book Translation Chapter(s)

### ARTICLES

**ARTICLES****Discoloration resistance of various computer aided design/computer aided manufacturing restorative materials**

TURUNÇ OĞUZMAN RANA, ŞİŞMANOĞLU SONER

Essentials of Dentistry, 2024

National DOI: 10.5152/EssentDent.2024.24005

**Adhesive Performance of Resin Cement to Glass-Ceramic and Polymer-Based Ceramic CAD/CAM Materials after Applying Self-Etching Ceramic Primer or Different Surface Treatments**

TURUNÇ OĞUZMAN RANA, ŞİŞMANOĞLU SONER

Materials, 2024

International DOI: 10.3390/ma17010002

**Performance of Chat Generative Pretrained Transformer and Bard on the Questions Asked in the Dental Specialty Entrance Examination in Turkey Regarding Bloom's Revised Taxonomy**

TURUNÇ OĞUZMAN RANA, YURDABAKAN ZELİHA ZUHAL

Current research in dental sciences (Online), 2024

National DOI: 10.5152/CRDS.2024.23261

**Influence of surface treatments and adhesive protocols on repair bond strength of glass-matrix and resin-matrix CAD/CAM ceramics**

TURUNÇ OĞUZMAN RANA, ŞİŞMANOĞLU SONER

Journal of Esthetic and Restorative Dentistry, 2023

International DOI: 10.1111/jerd.13131

**Air-Polishing Powders' Effect on the Color of CAD/CAM Restorative Materials**

TURUNÇ OĞUZMAN RANA, YÜZBAŞIOĞLU HÜSEYİN EMİR

Applied Sciences-Basel, 2023

International DOI: 10.3390/app132011573

**Adhesion of Orthodontic Braces to Different Restorative Materials: Influence of Surface Conditioning Methods**

TURUNÇ OĞUZMAN RANA, ŞİŞMANOĞLU SONER

Current research in dental sciences (Online), 2023

National DOI: 10.5152/CRDS.2023.23184

**Effect of surface treatments on shear bond strength between CAD/ CAM bioceramic and resin blocks and orthodontic metal brackets bonded to each other**

TURUNÇ OĞUZMAN RANA, ŞİŞMANOĞLU SONER

Journal of the Australian Ceramic Society, 2023

International DOI: 10.1007/s41779-022-00825-z

**Microshear bond strength of contemporary self-adhesive resin cements to CAD/CAM restorative materials: effect of surface treatment and aging**

ŞİŞMANOĞLU SONER, TURUNÇ OĞUZMAN RANA

Journal of Adhesion Science and Technology, 2020

International DOI: 10.1080/01694243.2020.1763543

**Effect of surface treatments and universal adhesive application on the microshear bond strength of CAD/CAM materials**

ŞİŞMANOĞLU SONER, GÜRCAN ALİYE TUĞÇE, YILDIRIM BİLMEZ ZUHAL, TURUNÇ OĞUZMAN RANA, GÜMÜŞTAŞ BURAK

Journal of Advanced Prosthodontics, 2020

International DOI: 10.4047/jap.2020.12.1.22

**Assessment of hygiene habits and attitudes among removable partial denture wearers in a university hospital**

ÇAKAN UMUT, YÜZBAŞIOĞLU HÜSEYİN EMİR, KURT HANEFİ, KARA HALUK BARIŞ, TURUNÇ RANA, AKBULUT ASLIHAN, AYDIN KADER

Nigerian Journal of Clinical Practice, 2015

International DOI: 10.4103/1119-3077.154224

## ARTICLES

### **Comparison of digital and conventional impression techniques: evaluation of patients'xx perception, treatment comfort, effectiveness and clinical outcome**

YÜZBAŞIOĞLU HÜSEYİN EMİR, KURT HANEFİ, TURUNÇ RANA, BİLİR PEKER HALENUR

BMC Oral Health, 2014

[International](#) DOI: 10.1186/1472-6831-14-10

### **Effects of different concentrations of hydrogen peroxide on the surface roughness of various esthetic restorative materials**

KARA HALUK BARIŞ, YAVUZ TEVFİK, TUNÇDEMİR ALİ RIZA, TURUNÇ RANA

Selcuk Dental Journal, 2012

[International](#)

### **Impact of Collagen Peptide Supplements Dissolved in Different Beverages on the Surface Properties of Dental Restorative Materials**

Zeynep Hale Keles, Rana Turunç, Soner Sismanoğlu

Applied Sciences, 2026

[International](#) DOI: 10.3390/app16052581

### **Silane-Containing Self-Adhesive Resin Cement vs. Conventional Strategies in Fiber Post Application: A Push-Out Bond Strength and Failure Mode Study**

Zeynep Hale Keles, Rana Turunç, Soner Sismanoğlu

Applied Sciences, 2025

[International](#) DOI: 10.3390/app16010057

## PROCEEDINGS

### **Dişhekimliği Öğrencilerinin Başa Çıkma Stratejilerinin Yaşam Kalitesi Düzeylerine Etkisinin Değerlendirilmesi**

TURUNÇ OĞUZMAN RANA, BEYDİLİ SERRA NUR, AYVALIOĞLU DEMET ÇAĞIL

Türk Dişhekimleri Birliği 27. Uluslararası Dişhekimliği Kongresi, 2023

[International](#)

### **Kolajen Tozu Takviyelerinin Direkt ve İndirekt Rezin Kompozitlerin Yüzey Pürüzlülüğü ve Parlaklığı Üzerindeki Etkisi**

TURUNÇ OĞUZMAN RANA

26. Uluslararası Türk Prostodonti ve İmplantoloji Derneği Bilimsel Kongresi, 2023

[International](#)

### **Potential Use of ChatGPT as an Interactive Self-Educational Tool in Prosthodontics**

SARPKAYA ELİF ZEYNEP, TURUNÇ OĞUZMAN RANA

27th Congress of the Balkan Stomatological Society, 2023

[International](#)

### **Tam Seramik, Kompozit ve Hibrit Seramik CAD/CAM Blokların ve Farklı Direkt Rezin Matrise Sahip Direkt Kompozit Materyallerin Renklenmeye Duyarlılığı**

TURUNÇ OĞUZMAN RANA, ŞİŞMANOĞLU SONER

2.Uluslararası Ege Sağlık Alanları Sempozyumu, 2022

[International](#)

### **Effect of Collagen Powder Supplements on Color Stability of Different CAD/CAM Block Materials**

TURUNÇ OĞUZMAN RANA, ABUSALİH BUŞRA

45th Annual Conference of European Prosthodontic Association, 2022

[International](#)

### **Shear Bond Strength Between Orthodontic Brackets and CAD/CAM Materials**

TURUNÇ OĞUZMAN RANA, ŞİŞMANOĞLU SONER

25. Uluslararası Estetik Diş Hekimliği Kongresi, 2021

[International](#)

## PROCEEDINGS

### **Profilaktik Aşındırıcı Tozların Multi-Faz Interpenetre Seramik-Rezin Kompozit Materyallerinin Rengi Üzerine Etkisi**

TURUNÇ OĞUZMAN RANA, YÜZBAŞIOĞLU HÜSEYİN EMİR

Türk Dişhekimleri Birliği 25. Uluslararası Dişhekimliği Kongresi, 2019

International

### **CBCT ile Değerlendirilen Ajuste Tam Protezin Preprotetik Cerrahide Rehber Olarak Kullanımı**

TURUNÇ RANA, YÜZBAŞIOĞLU HÜSEYİN EMİR, DELİLBAŞI BARIŞ ÇAĞRI

Türk Dişhekimleri Birliği 20. Uluslararası Dişhekimliği Kongresi, 2014

International

### **Color Matching Ability of a Resin Nano-Ceramic Material as a Function of Material Thickness and Implant Abutment Materials**

YÜZBAŞIOĞLU HÜSEYİN EMİR, TURUNÇ OĞUZMAN RANA, MUTLU ÖZCAN

38th Annual Conference of European Prosthodontic Association, 2014

International

### **Comparison of Digital and Conventional Impression Techniques: From Perspective of Patient Preferences and Treatment Comfort**

YÜZBAŞIOĞLU HÜSEYİN EMİR, KURT HANEFİ, TURUNÇ OĞUZMAN RANA, BİLİR PEKER HALENUR

37th Annual Conference of European Prosthodontic Association, 2013

International

### **Assessment of Hygiene Habits and Attitudes Among Removable Denture Wearers**

ÇAKAN UMUT, YÜZBAŞIOĞLU HÜSEYİN EMİR, KURT HANEFİ, KARA HALUK BARIŞ, TURUNÇ RANA, AKBULUT ASLIHAN, AYDIN KADER

101st FDI Annual World Dental Congress, 2013

International

### **Can we consult large language models for antibiotic prophylaxis?**

Rana Turunç

FDI World Dental Congress 2024,

International

### **Air-Flow Tozlarının CAD/CAM Rezin-Matriks Seramik Materyallerin Yüzey Pürüzlülüğüne Etkisi**

Rana Turunç, H. Emir Yüzbaşıoğlu

İzmir Dişhekimleri Odası 31. Uluslararası Bilimsel Kongre ve Sergisi,

International

### **EFFECT OF AIR-POLISHING POWDERS ON THE TRANSLUCENCY OF CAD/CAM RESTORATIVE MATERIALS**

Rana Turunç, H. Emir Yüzbaşıoğlu

ASES IX. INTERNATIONAL SCIENTIFIC RESEARCH CONGRESS,

International

### **Language-Based Performances of Different Large Language Models in the Diagnosis of Temporomandibular Disorders**

Rana Turunç, Erman Direkci

THE 48. ANNUAL EPA CONGRESS | THE 27. SCIENTIFIC TPID CONGRESS,

International

### **Effect of Bubble Tea on the Color Stability of Restorative CAD/CAM Blocks**

Rana Turunç, Ayşe Tekin

THE 48. ANNUAL EPA CONGRESS | THE 27. SCIENTIFIC TPID CONGRESS,

International

### **Smartphone Applications in Digital Smile Design: A Review on Features, Challenges & Future Directions**

Rana Turunç, Abeer Rauf

THE 48. ANNUAL EPA CONGRESS | THE 27. SCIENTIFIC TPID CONGRESS,

International

## PROCEEDINGS

### Effectiveness of Artificial Intelligence-Based Gamified Learning in Removable Partial Denture Treatment Planning

Elif Zeynep Sarpkaya, Rana Turunç  
ADEE Annual Meeting Dublin 2025,  
International

### İSKELETSEL SINIF 3 MALOKLÜZYONU OLAN HASTANIN GÜLÜŞ TASARIMI VE DİKEY BOYUT REHABİLİTASYONU İLE ESTETİK GÖRÜNTÜSÜNÜN KAZANDIRILMASI: OLGU SUNUMU

Buşra ABUSALİH, Rana TURUNÇ  
Konya Dişhekimleri Odası 1. Ulusal Dişhekimliği Kongresi,  
International

## PROJECTS

### Seramik, kompozit ve hibrit seramik CAD/CAM blokların ve farklı direkt rezin matrise sahip direkt kompozit materyallerin renklenmeye duyarlılığı (Manager)

BAP, 11.02.2020 - 30.05.2022  
National Completed

## THESIS SUPERVISION

### FARKLI BÜYÜK DİL MODELLERİNİN İMPLANT ÜSTÜ SABİT, HAREKETLİ VE HİBRİT PROTEZLER HAKKINDAKİ BİLGİ DOĞRULUĞUNUN KARŞILAŞTIRILMASI

Buşra Abusalih  
2026 Doctorate

### YAPAY ZEKAYA DAYALI BÜYÜK DİL MODELLERİNİN TEMPOROMANDİBULAR EKLEM DÜZENSİZLİKLERİNİ TEŞHİS ETME PERFORMANSLARININ DEĞERLENDİRİLMESİ

Erman Direkci  
2025 Doctorate

## COURSES

Course Type	Course Code	Course Name
Master's Degree	EST633	DIGITAL APPROACHES IN AESTHETIC DENTISTRY I
Master's Degree	EST646	AESTHETIC MATERIAL SCIENCE II
Bachelor's Degree	DHF501	PROTETİK DİŞ TEDAVİSİ V
Doctorate	PRT711	LİTERATÜR KULÜBÜ
Doctorate	PRT714	İMPLANT ÜSTÜ PROTEZLER I
Doctorate	PRT715	PROTEZ KLİNİĞİ II
Master's Degree	EST631	INTRODUCTION TO AESTHETIC DENTISTRY I
Doctorate	PRT721	DİJİTAL DİŞ HEKİMLİĞİ
Doctorate	PRT723	STOMATOĞNATİK SİSTEM VE TME HASTALIKLARI
Doctorate	DEN651	ESTETİK DİŞ HEKİMLİĞİ I

## PERSONAL INFORMATION

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### CONTACT INFORMATION

Interview Hours: Salı - 11:00 - 12:00

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