

## MUSTAFA BORGA DÖNMEZ, DDS, Prosthodontist



### Personal Info:

**Date of birth:** 31/03/1993

**Place of birth:** Turkey

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<https://scholar.google.com/citations?user=TOcggIEAAAAJ&hl=tr>

### Education and Academic Titles:

**Dental degree (DDS, Bachelor's in Dentistry),** Hacettepe University Faculty of Dentistry, Ankara, Turkey, 2010-2015

**Specialization (MD-equivalent),** Selcuk University Faculty of Dentistry, Prosthodontics, Konya, Turkey, 2016-2019,  
- **Thesis:** The Effect of CAD / CAM Ceramics of Different Thickness on Resin Cement Polymerization

**Assistant Professor,** Biruni University Faculty of Dentistry, Department of Prosthodontics, Turkey, 2019 September-2022 April

**Assistant Professor,** Istinye University Faculty of Dentistry, Department of Prosthodontics, Turkey, 2022 April-2023 August

**Associate Professor,** Istinye University Faculty of Dentistry, Department of Prosthodontics, Turkey, 2023 August-

### Professional Experience:

**ITI Scholar,** Department of Reconstructive Dentistry and Gerodontology, School of Dental Medicine, University of Bern, Bern, Switzerland, September 2023-

**Visiting Researcher,** Department of Reconstructive Dentistry and Gerodontology, School of Dental Medicine, University of Bern, Bern, Switzerland, November 2021-

**Associate Professor,** Istinye University, Faculty of Dentistry, Department of Prosthodontics, İstanbul, Turkey, August 2023-

**Assistant Professor,** Istinye University, Faculty of Dentistry, Department of Prosthodontics, İstanbul, Turkey, April 2022-August 2023

**Assistant Professor,** Biruni University, Faculty of Dentistry, Department of Prosthodontics, İstanbul, Turkey, September 2019-April 2022

**Research Assistant,** Selcuk University, Faculty of Dentistry, Department of Prosthodontics, Konya, Turkey, January 2016-January 2019

### Publications with the highest number of citations:

1. Okutan Yener, Yücel Münir Tolga, Gezer Tuğçe, **Dönmez Mustafa Borge** (2019). Effect of Airborne Particle Abrasion and Sintering Order on the Surface Roughness and Shear Bond Strength Between Y-TZP Ceramic and Resin Cement. Dental Materials Journal, 2019 Mar 31;38(2):241-249. Doi: 10.4012/Dmj.2018-051.
2. Çakmak Gülce, Cuellar Alfonso Rodrigues, **Donmez Mustafa Borge**, Schimmel Martin, Abou-Ayash Samir, Lu Wei-En, Yılmaz Burak (2021). Effec of Printing Layer Thickness on the Trueness and Margin Quality Of 3D-Printed Interim Dental Crowns. Applied Sciences, 2021;11(19):9246. Doi: 10.3390/App11199246
3. Yılmaz Burak, Marques Vinicius Rizzo, **Dönmez Mustafa Borge**, Cuellar Alfonso Rodriguez, Lu Wei-En, Abou-Ayash Samir, Çakmak Gülce (2022). Influence Of 3D Analysis Software on Measured Deviations Of CAD-CAM Resin Crowns from Virtual Design File: An In-Vitro Study. Journal of Dentistry, 118, 103933, Doi: 10.1016/J.Jdent.2021.103933
4. Çakmak Gülce, **Dönmez Mustafa Borge**, Atalay Sevda, Yılmaz Hakan, Kökat Ali Murat, Yılmaz Burak (2021). Accuracy of Single Implant Scans with a Combined Healing Abutment-Scan Body System and Different Intraoral Scanners: An In Vitro Study. Journal of Dentistry, 2021 Aug 9;103773. Doi:

10.1016/J.Jdent.2021.103773.

5. **Dönmez Mustafa Borga**, Okutan Yener, Yücel Münir Tolga (2020). Effect of Prolonged Application of Single-Step Self-Etching Primer and Hydrofluoric Acid on the Surface Roughness and Shear Bond Strength of CAD CAM Materials. *European Journal of Oral Sciences*, 2020 Dec;128(6):542-549. Doi: 10.1111/Eos.12747.
6. **Dönmez Mustafa Borga**, Okutan Yener (2022). Marginal Gap and Fracture Resistance of Implant-Supported 3D-Printed Definitive Composite Crowns: An In Vitro Study. *Journal of Dentistry*, 124, 104216, Doi: 10.1016/J.Jdent.2022.104216
7. **Dönmez Mustafa Borga**, Yücel Münir Tolga, Kiliç İsmail, Okutan Yener (2018). Novel Ceramic Primer Vs. Conventional Treatment Methods: Effects on Roughness and Bond Strength of All-Ceramic Restorations. *American Journal of Dentistry*, 2018 Oct;31(5):249-252.
8. Çakmak Gülce, Marques Vinicius Rizzo, **Dönmez Mustafa Borga**, Lu Wei-En, Abou-Ayash Samir, Yilmaz Burak (2022). Comparison of Measured Deviations in Digital Implant Scans Depending on Software and Operator. *Journal of Dentistry*, 122, 104154, Doi: 10.1016/J.Jdent.2022.104154
9. Çakmak Gülce, Cuellar Alfonso Rodriguez, **Dönmez Mustafa Borga**, Abou-Ayash Samir, Lu Wei-En, Schimmel Martin, Yilmaz Burak (2022). Effect of Printing Layer Thickness on the Trueness Of 3-Unit Interim Fixed Partial Dentures. *Journal of Prosthetic Dentistry*, Doi: 10.1016/J.Prodent.2022.04.015
10. **Dönmez Mustafa Borga**, Diken Türksayar Almira Ada, Olcay Emin Orkun, Sahmali Sevil Meral (2022). Fracture Resistance of Single-Unit Implant-Supported Crowns: Effects of Prosthetic Design and Restorative Material. *Journal of Prosthodontics*, 31(4), 348-355, Doi: 10.1111/Jopr.13415

#### **FUNDING:**

- Buser Implant Foundation Junior Investigator Grant 2021-22- Effect of internal connection type and screw channel angle on the screw stability of anterior implant-supported zirconia crowns CHF 29'982.45
- Swiss Society for Reconstructive Dentistry Research Award- Shear bond strength, fatigue behavior, and fracture resistance of 3D-printed and milled resins used for definitive restorations CHF 10'000
- Osseointegration Foundation Research Grant 2022-23- Evaluation of trueness and marginal fit of new generation CAD-CAM polymers for monolithic implant supported complete-arch fixed prostheses and their adhesion to titanium base abutments, 25'000 USD
- Swiss Dental Association Research Grant 2022-23- Trueness and marginal fit of implant-retained bars for mandibular overdentures fabricated by using additively and subtractively manufactured zirconia in conjunction with the validation of the triple-scan protocol, 34'555.70 CHF
- Buser Implant Foundation Junior Investigator Grant 2022-23- Effect of abutment screw channel angle and crown height on the screw stability of zirconia posterior crowns supported with tissue level implants, Principal Investigator, 30'000 CHF
- Oral Reconstruction Foundation Research Grant- Long-term stability of additively or subtractively manufactured screw-retained zirconia crowns in different heights, 28'178.40 EUR
- Kois Center Research Grant on Digital Technologies- Fabrication trueness and marginal fit of monolithic resin-based complete-arch implant-supported definitive prostheses and the effect of thickness on fatigue and fracture performance of composite resin frameworks used for definitive prostheses with cantilevers, 9910 USD
- Osseointegration Foundation Research Grant 2022-23- Effect of 3D-printed Model Layer Thickness and Digital Implant Analog Design on Positional Trueness of Analogs and Adjustment Efficiency of Implant-supported Crowns, Principal Investigator 20'000 USD