

### Clinical Report

- 1 Chairside management of an open proximal contact on an implant-supported ceramic crown using direct composite resin**  
Tassos Sfondouris, DDS, MS and Vincent Prestipino, DDS

### Dental Techniques

- 5 Radiographic markers for merging virtual data sets**  
Adam Hamilton, BDS, DCD, FRACDS,  
Faris Jamjoom, BDS, MS, Simon Doliveux, DDS,  
German O. Gallucci, Dr Med Dent, PhD, and  
Bernard Friedland, BChD, MSc, JD
- 10 A CAD-CAM device for preparing guide planes for removable partial dentures: A dental technique**  
Hyeonjong Lee, DMD, MSD, PhD and  
Kung-Rock Kwon, DMD, MSD, PhD

### Systematic Reviews

- 14 Influence of abutment height on peri-implant marginal bone loss: A systematic review and meta-analysis**  
Zhaozhao Chen, DDS, MS, Cho-Ying Lin, DDS,  
Junying Li, DDS, MS, Hom-Lay Wang, DDS, MS, PhD, and  
Haiyang Yu, DDS, PhD
- 22 Finish-line designs for ceramic crowns: A systematic review and meta-analysis**  
Hao Yu, DDS, PhD, Dr med dent, Ying-hui Chen, DDS,  
Hui Cheng, DDS, PhD, and Takashi Sawase, DDS, PhD



**On the Cover**  
Damrak. Amsterdam,  
Netherlands.

### Clinical Research

- 31 Retrospective evaluation of the clinical performance and longevity of porcelain laminate veneers 7 to 14 years after cementation**  
Rabia Arif, DDS, MS, Joseph B. Dennison, DDS, MS,  
Daniela Garcia, DDS, MS, and Peter Yaman, DDS, MS

### Research CAD-CAM

- 38 Dimensional precision of implant-supported frameworks fabricated by 3D printing**  
Anna Gabriella Camacho Presotto, DDS, MSc,  
Valentim Adelino Ricardo Barão, DDS, MSc, PhD,  
Cláudia Lopes Brilhante Bhering, DDS, MSc, PhD, and  
Marcelo Ferraz Mesquita, DDS, MSc, PhD

### Research: Fixed Prosthodontics

- 46 Effect of fiber post space irrigation with different peracetic acid formulations on the bond strength and penetration into the dentinal tubules of self-etching resin cement**  
Lauriê Garcia Belizário, MS, Milton Carlos Kuga, PhD,  
Marco Antônio Hungaro Duarte, PhD,  
Marcus Vinicius Reis Só, PhD, Kátia Cristina Keine, PhD, and  
Jefferson Ricardo Pereira, PhD

### Research: Implant Prosthodontics

- 47 Evaluation of strain distribution on an edentulous mandible generated by cobalt-chromium metal alloy fixed complete dentures fabricated with different techniques: An in vitro study**  
Simge Taşın, DDS, Işıl Turp, DDS, PhD, Ergün Bozdağ, PhD,  
Emin Sünbüloğlu, PhD, and Aslihan Üşümez, DDS, PhD
- 54 Biomechanical behavior of extra-narrow implants after fatigue and pull-out tests**  
Taís Alves dos Reis, DDS, MS, Karla Zancopé, DDS, MS, PhD,  
Frederick Khalil Karam, DDS, MS, and  
Flávio Domingues das Neves, DDS, MS, PhD

**Research: Removable Prosthodontics**

- 55**     **Determining the retention of removable partial dentures**  
Omar Alageel, BSc, MSc, Ammar A. Alsheghri, BSc, MSc, Suliman Algezani, BSc, MSc, Eric Caron, DDS, MSc, and Faleh Tamimi, BDS, MSc, PhD

**Research: Esthetics**

- 63**     **Relationship between different points on the face and the width of maxillary central teeth in a Turkish population**  
Hatice Özdemir, PhD and Merve Köseoğlu, DDS
- 69**     **Effect of framework material on the color of implant-supported complete-arch fixed dental prostheses**  
Burak Yilmaz, DDS, PhD, Gülce Alp, DDS, PhD, and William M. Johnston, PhD

**Research: Metal-Ceramics**

- 76**     **The effect of layer thickness on the porcelain bond strength of laser-sintered metal frameworks**  
Necati Kaleli, DDS, PhD, Çağrı Ural, DDS, PhD, and Ahmet Serkan Küçükekenci, DDS, PhD

**Maxillofacial Prosthetics**

- 82**     **Oral rehabilitation for patients with marginal and segmental mandibulectomy: A retrospective review of 111 mandibular resection prostheses**  
Ivana Petrovic, DMD, Zain Uddin Ahmed, BDS, Joseph M. Huryn, DDS, Jonas Nelson, MD, Robert J. Allen, Jr, MD, Evan Matros, MD, MPH, and Evan B. Rosen, DMD, MPH

**Tips from Our Readers**

- 88**     **Injectable silicone-based gingival mask technique: Transferring the emergence profile of multiple implant restorations**  
Ryan Tak On Tse, BDS, MSc and Baldwin W. Marchack, DDS, MBA

**About JPD**

- A5**     **The Essentials**
- 92**     **News and Notes**

**Noteworthy Abstracts of the Current Literature**

- 30**     **Patient-specific, risk-based prevention, maintenance, and supportive care: A need for action and innovation in education**
- 45**     **Relationship between selective serotonin reuptake inhibitors and risk of dental implant failure**
- 87**     **Evaluation of quality of life after mandibular reconstruction using a novel fixed implant-supported dental prosthesis concept: A pilot study**
- 91**     **A pilot study to determine the effect of three months of oral appliance therapy using a mandibular advancement device on HbA1c in subjects with type 2 diabetes mellitus and obstructive sleep apnea**

**Jim Janakievski, Cover Artist**

Jim Janakievski received his DDS from the University of Toronto. After several years in general practice, he completed his post-graduate training at the University of Washington where he received a certificate in periodontology with a MSD degree and a fellowship in prosthodontics. Jim maintains a private practice limited to periodontics and implant dentistry in Tacoma, Washington. Outside of dental practice, Jim enjoys traveling to discover and experience interesting places in the world. His photographs tell a story with simple composition and unique perspective.



Statements and opinions in the articles and communications herein are those of the author(s) and not necessarily those of the Editor(s), publisher, or The Editorial Council. The Editor(s), publisher, and The Editorial Council disclaim any responsibility or liability for such material and do not guarantee, warrant, or endorse any product or service advertised in this publication, nor do they guarantee any claim made by the manufacturer of such product or service.