

**MODERN DENTISTRY
– OPPORTUNITIES AND CHALLENGES**

MODERN DENTISTRY – OPPORTUNITIES AND CHALLENGES

Scientific editor
Prof. Jolanta Szymańska M.D., Ph.D.

Medical University of Lublin

Lublin 2019

Copyright © 2019 by Uniwersytet Medyczny w Lublinie
All rights reserved. No part of this book may be reproduced
or transmitted in any form on by any means, electronic or mechanical,
including photocopying, recording or by any information storage
retrieval system, without permission from Publishing House

Referees: *Prof. Katarzyna Emerich* M.D., Ph.D.,
Prof. Anna Surdacka M.D., Ph.D.
Scientific Editor: *Prof. Jolanta Szymańska* M.D., Ph.D.
Language Editor: *Weronika Topolan*
Cover photograph: *Leszek Szalewski* M.D., Ph.D.
Cover design: *Jolanta Szymańska, Piotr Gawda*
DTP: *Piotr Gawda*

Publishing House
Uniwersytet Medyczny w Lublinie
Al. Raclawickie 1
20-093 Lublin

Printing
Wydawnictwo Archidiecezji Lubelskiej „Gaudium”
ul. Ogrodowa 12
20-075 Lublin



ISBN 978-83-62606-73-3

Contents

1. Restoration of teeth after endodontic treatment with application of standard fibre-reinforced composite (FRC) crown-root post – selected aspects <i>Renata Chałas, Marta Marczyńska</i>	9
2. Optical density of dental composite materials in digital radiographs <i>Ingrid Różyło-Kalinowska, Katarzyna Portka, Natalie Namięta, Magdalena Piskórz</i>	16
3. A new indicator for evaluation of organic compounds in saliva <i>Małgorzata Klichowska-Palonka, Robert Klepacz, Michał Palonka</i>	22
4. Dental problems in seniors <i>Agata M. Niewczas</i>	29
5. The effect of using toothpaste with high and standard fluoride content on demineralization lesions in tooth enamel <i>Elżbieta Pels, Karol Jankowski, Maria Mielnik-Błaszczak, Dorota Krawczyk</i>	35
6. Factors influencing locus of pain control in students treated in dental offices <i>Małgorzata H.J. Sikorska-Jaroszyńska, Maria Mielnik-Błaszczak, Dorota Krawczyk, Rafał Wróbel</i>	47
7. Muscle activity in painful temporomandibular disorders: theories and conceptual models <i>Marcin Berger, Jolanta Szymańska</i>	52
8. Application of prosthetic devices in the treatment of obstructive sleep apnea <i>Aneta Kamińska, Magdalena Gawęda, Kinga Regulska, Janusz Borowicz</i>	66
9. Analysis of the relationship between face proportions and esthetics assessment <i>Agnieszka Lasota, Tomasz Tomaszewski</i>	72
10. The number of <i>Streptococcus Mutans</i> and <i>Lactobacillus</i> as well as saliva buffer capacity in the Lublin voivodeship residents <i>Marta Nakonieczna-Rudnicka, Teresa Bachanek, Barbara Tymczyna-Borowicz</i>	84

Contents

11. Selected aspects of oral health state in smokers <i>Marta Nakonieczna-Rudnicka, Barbara Tymczyna-Borowicz</i>	91
12. State of oral hygiene in patients using acrylic stabilization splints <i>Justyna Oleszek-Listopad, Jolanta Szymańska</i>	97
13. Correlations between the clinical status of oral mucosa and the dynamics of peripheral blood neutrophils in children with chemotherapy-induced neutropenia <i>Katarzyna Olszewska, Maria Mielnik-Błaszczak, Artur Michałowski</i>	105
14. Assessment of the orthodontic treatment needs in the Lublin Voivodeship residents <i>Marzena Pucek, Beata Kubić-Filiks, Jolanta Szymańska</i>	114
15. Dental photography and scientific research in orthodontics – a literature review <i>Leszek Szalewski, Magdalena Szalewska</i>	122