

Editor's Note

While there are so many treatment options for one disease – periodontitis; prevention is still our strategic stake for the future. Although periodontitis is no longer life-threatening, it is still an irreversible chronic disease in which oral rehabilitation can become challenging to manage once the disease takes place.

The priority in resource allocation and development of periodontal research has become more advanced globally. The investment in periodontal research contributes to the everlasting quest for a better understanding of periodontal disease biology, aiming not only to control but to “cure” it. New periodontal findings are constantly published to update the current understanding of the periodontology field. Therefore, this special issue is expected to increase and update the knowledge of periodontal specialists to provide the best treatment to patients.

In this special issue, manuscripts were selected from studies presented in the Malaysian Society of Periodontology (MSP) Research Day 2021, held on 25 September 2021 via an online platform. MSP Research Day 2021 was organised by the Malaysian Society of Periodontology with the theme “Refining the Revolution of Periodontal Research”. The authors who contributed to this special issue are mainly experts in periodontology. This special issue consists of 13 articles related to periodontology: two review articles, eight original articles and three case reports.

This special issue begins with the review article entitled “Electronic Cigarette Vapour and the Impacts on Oral Health: A Review” by Nurul Wahida Mohd Hasan, Badiyah Baharin and Nurulhuda Mohd. The article summarised the potential role of e-cigarette for smoking cessation aids considering the widespread usage of e-cigarettes and public concerns.

The second review article is on peri-implantitis by Nor Haliza Mat-Baharin and Amit Patel. As dental is becoming more popular to replace missing teeth, peri-implantitis cases are also becoming more common to be seen in dental practice. In this review, the practical management of peri-implantitis is discussed based on the current evidence.

The first original article in this issue entitled “Antibacterial Activity of Phenolic Compounds in Olive Oil Extracts on Periodontopathogenic Oral Bacteria” was written by Wahidatunur Musa, Nurulhuda Mohd, Zamirah Zainal-Abidin, Mazlina Mohd Said and Badiyah Baharin. The authors investigated the effect of a phenolic compound of olive oil on *A. actinomycetemcomitans*, *F. nucleatum* and *P. gingivalis*.

The only and interesting animal study in this issue was provided by Nur Zety Mohd Noh, Nur Aliana Hidayah Mohamed and Erni Noor. The article entitled “The Evaluation of Bone Regeneration Following Socket Preservation with Concentrated Growth Factor (CGF) and Poly Lactic-Co-Glycolic Acid (PLGA) Scaffold in Rabbits”. The authors investigated the effect of CGF with PLGA on bone formation and the expression of alkaline phosphatase (ALP) following socket preservation and it was found that CGF and PLGA have the potential as alternative grafting materials.

The article entitled “Periodontal Disease among Pregnant Women in Kuching, Sarawak” was written by Aisah Ahmad and Mohamad Adib Jaafar. The authors evaluated the prevalence of the periodontal disease among pregnant women and compared periodontal conditions before and after non-surgical periodontal therapy. They found that most of the pregnant women

involved in this study were diagnosed with periodontal disease and non-surgical periodontal therapy had improved the periodontal status.

Siti Nurqissa Mustafa, Badiyah Baharin and Tanti Irawati Rosli wrote an article entitled “Comparison between Periodontal Self-examination and Self-reported Periodontal Disease among Selected Adults in Kuala Lumpur”. The authors compared findings and agreement between periodontal self-examination and self-reported assessments in the detection of periodontal disease among selected adult patients in Kuala Lumpur. It was found that both assessments are reliable in measuring the total number of teeth in periodontal patients.

Hirzi Kamaludin, Jamie Chin Kok Kwong, Lili Zuryani Marmuji and Khamiza Zainol Abidin wrote an article entitled “Prevalence of Periodontitis in Erectile Dysfunction Patients”. It was aimed to determine the association between erectile dysfunction and chronic periodontitis in the selected Malaysian population. It was found that there was an association between erectile dysfunction and periodontitis.

Mahyunah Masud, Izza Ilyani Mohd Ishak, Najihah Kamarazaman and Izyan Hazwani Baharuddin wrote an article entitled “The Evidence-based Periodontal Risk Assessment (PRA) Tool for Nonsurgical Periodontal Therapy in a Comprehensive Periodontal Management by Risk Assessment (PEMBRA)”. This is a retrospective study to evaluate the PRA profile. It was found that evaluation of the PRA tool during the initial visit is crucial thus highlighting the importance of PEMBRA.

An article entitled “Effectiveness of Diode Laser Compared with Sodium Fluoride Varnish in Management of Dentin Hypersensitivity Associated with Gingival Recession” was written by Benju Shrestha, Shaili Pradhan and Krishna Prasad Lamichhane. The authors evaluated the effectiveness of diode laser compared with a sodium fluoride varnish in treating dentinal hypersensitivity in patients with gingival recession. They found that the use of diode laser and sodium fluoride varnish showed good immediate and prolonged results.

It is interesting to note that Zuhrah Mohd Sood, Nik Madihah Nik-Azis, Badiyah Baharin, Zulkifli Md Zainuddin, Masfueh Razali and Haizal Mohd Hussaini also wrote an article on periodontal disease and men’s sexual health. The authors investigated the prevalence of periodontitis in patients with erectile dysfunction (ED) in Malaysia and the factors associated with both conditions. The subjects with ED had the worst periodontal health with no differences in oral hygiene habits were demonstrated.

This special issue also contains three interesting case report articles.

Zi Hui Cheng and Ei Leen Lim in their article entitled “Alveolar Ridge Preservation after Tooth Extraction and Replacement with Fibre-reinforced Composite Bridge in Young Patient: A Case Report” reported the technique of alveolar ridge preservation after tooth extraction using a xenogenic bone graft combined with a resorbable collagen membrane, and the fabrication of an anterior fibre-reinforced composite (FRC) bridge in an 18-year-old male patient.

Jane Evelyne Chong Huey Yuh, Evelyn Able Padtong and Fairuz Abdul Rahman wrote the article entitled “Desquamative Gingivitis as the First Clinical Sign of Pemphigus Vulgaris: A Case Report”. It highlighted a case of a patient with desquamative gingivitis for one year, who is ultimately diagnosed as having pemphigus vulgaris.

The last article entitled “Early Dental Implant Failure in Patient with Active Implant Periapical Lesions: Lesson Learnt from Two Case Reports” was written by Nik Fatin Sarah Nik Mhd Abdul Nasser, Nurul Qamar Salehuddin, Nurul Ain Mohamed Yusof, Wan Nurhazirah Wan Ahmad Kamil and Erni Noor. The authors described two cases of early dental implant failure associated with active implant periapical lesion and correlate the clinical and radiographical findings with the histopathological findings.

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