



30th American Dental Congress
&
26th American World Dentistry Congress
September 27th, 2021 | Webinar

KEYNOTE FORUM

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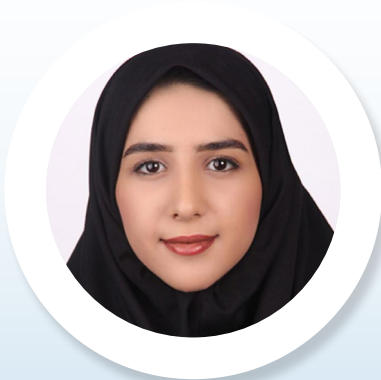
Periodontal disease effects on adverse pregnancy outcomes- an immunological footprint: a systematic review

Background: Scientific literatures demonstrate the hypotheses that periodontal disease, as a source of subclinical and persistent infection, may induce systemic inflammatory and immunological responses that increase the risk of adverse pregnancy outcomes. This study aim to examine the existing evidence on the relationship between periodontal disease and adverse pregnancy outcomes.

Materials and methods: With a proper search strategy which include MeSH and non-MeSh words, an electronic and also hand searches for proper studies were performed. Inclusion criteria was observational studies (i.e. case-control, crosssectional, and cohort) and non-randomized controlled studies or randomized controlled trials that examined periodontal disease as a risk factor for adverse pregnancy outcomes. and publish time limit set for recent 10 years until March 2019. Eligible studies were assessed for validity, quality, and bias using CASP appraisal tool with separated operators.

Results: The selected studies focused on preterm low birthweight, low birthweight, preterm birth, birthweight by gestational age, miscarriage or pregnancy loss, and preeclampsia. A great part of studies suggested an association between periodontal disease and increased risk of adverse pregnancy outcome which in contrast another literature found no evidence of an association. Three clinical trial studies suggest that oral prophylaxis and periodontal treatment can lead to a more than 50% reduction in preterm low birthweight and a great reduction in preterm births.

Conclusions: Periodontal disease with increase of inflammation and through immunological paths may be associated with an increased risk of adverse pregnancy outcome. However, further integrated and well-designed studies seem to be needed for confirmation.



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Module development in the teachings of removable partial denture (rpd)

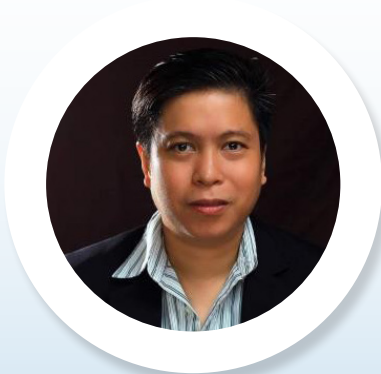
Removable Partial Denture (RPD) is defined as the division in prosthodontics that pertains to the restoration and maintenance of the oral function and appearance of the patient. This study was aimed to develop a simplified module in RPD framework designing that can easily understand and followed by students and clinicians. The research design used is descriptive qualitative research method. There were 8 student respondents and 5 faculty respondents selected to answer open ended questions conducted on a face-to-face interview, to assess the respondent's behavior, beliefs and attitudes towards RPD.

The student clinicians' level of competencies in understanding and comprehending the RPD concepts affected their case analysis process which also affected their choice of appropriate components for the RPD prosthesis. The gaps identified in this research were incomplete comprehension in conducting case analysis, distinguishing the correct designing principles, and identification of the correct RPD components in the designing process. The poor decision performance of the clinicians and students in removable partial denture cases are concluded from the wrong and inappropriate designing of the RPD framework.

An instructional module in framework designing that includes a step by step sequence approach to come up with an appropriate RPD framework designing has been developed which is necessary to address the issues faced by the students and clinicians.

Biography

Dr. Peter P. Flores has completed his Masters of Science Health Science Education Major in Dental Education from Centro Escolar University, Manila Philippines. He is a faculty member at Centro Escolar university, Makati Department of Dentistry. His expertise and interest is on Cosmetic Dentistry and Prosthodontics. He is also a member and a graduate of the Philippine Association of Esthetic Dentistry



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