

PERIODONTAL VACCINE -- MYTH TO REALITY

INTRODUCTION : Epidemiological studies reveal that more than two-thirds of the world's population suffers from one of the chronic forms of periodontal disease. Recent recognition of the importance of periodontal disease and its impact on the perpetuation and management of systemic diseases calls for a global effort to control periodontal disease and to eradicate the global periodontal disease burden with the ultimate purpose of lowering periodontal disease-associated morbidity in humans, the periodontal vaccine was developed to achieve "**HEALTHY GUM-HEALTHY BODY**" lifestyle.....



HURDLES IN PERIODONTAL VACCINE DEVELOPMENT

- ❖ Maintaining adequate levels of antibodies for long enough.
- ❖ Generating T-cell mediated response.
- ❖ Multiple antigenicities of various microorganisms.

Although, most of these studies have yielded encouraging results, none of these modalities of immunization have been able to be incorporated as a sole or complete vaccine against periodontal disease for use in the human population as yet. Thus, the current status of our understanding in the field of vaccines against periodontal disease is incomplete. Further extensive research in this direction may hold a promising future in development of periodontal vaccines.