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Calcium sulfate as a bone replacement graft in the management of localized aggressive periodontitis: A one year follow up report

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We report a case of localized aggressive periodontitis (LAP), which precipitated during fixed orthodontic treatment in a 16 years old female African-American patient. Oral hygiene instructions, removal of orthodontic bands and non-surgical periodontal therapy was followed by surgical treatment of multiple sites, using calcium sulfate as a synthetic bone graft material and collagen membrane as a barrier, to achieve guided tissue regeneration. One year follow up of the case demonstrates that use of calcium sulfate as a synthetic bone substitute may provide favorable outcome in LAP patients. Furthermore, LAP patients undergoing orthodontic treatment can be successfully managed without tooth morbidity.

Biography

Leela Subhashini Choudary Alluri has completed her Bachelor of Dental Surgery (B D S) in 2010 from Dr. NTR Health Sciences. She worked as a Clinical Associate in the Department of Periodontics at Kamineni Institute of Dental Sciences, India. Currently, she is working as a Research Assistant at Department of Periodontics and Endodontics, School of Dental Medicine, University at Buffalo. She has published 3 papers in reputed journals.

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