

Plasma cell periodontitis: Severe gingival enlargement associated with generalized periodontitis

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Plasma cell gingivitis (PSG) is a rare inflammatory condition manifested as erythematous enlarged gingiva. It may be associated with cheilitis and/or glossitis. A 47-year-old woman presented to Department of Periodontology, Faculty of Oral and Dental Medicine Cairo University, complaining from eating difficulties and teeth mobility. Clinical examination revealed severe gingival enlargement affecting the whole width of attached gingiva from both facial and lingual aspects. The enlarged gingiva was erythematous and friable with nodular appearance. Periodontal examination showed generalized advanced degree of periodontitis with the anterior teeth affected more than the posterior one. The affected anterior teeth were covered by the enlarged gingiva, nearly without bony support or with minute support less than the apical one third of the root length, with all showing pathological migration and grade three mobility. Lips were enlarged, dry, atrophic and fissured with angular cheilitis. There were no relevant findings in her medical history and she was not taking any regular medication. Laboratory investigations confirmed the absence of relevant systemic disorders. Conventional periodontal therapy was performed then extraction of all anterior teeth and surgical excision of enlarged gingiva were done. Histological examination showed that both epithelium and connective tissue were infiltrated with inflammatory cells. The epithelium showed spongiosis and underlying connective tissues contained dense infiltration of plasma cells. Plasma cell gingivitis was described in the literature in association with aggressive periodontitis. This case represents plasma cell gingivitis condition of unknown cause associated with generalized chronic periodontitis. We can describe the case as Plasma cell Periodontitis (PCP) instead.

Biography

Ghada Gamal Adayil has completed her Bachelor's in Dental Medicine in 2012-excellent degree with honor from Faculty of Oral and Dental Medicine, Cairo University. She was assigned as a Dentist at Ministry of Health for one year then as Internal Resident Doctor at Periodontology Department at Faculty of Oral and Dental Medicine, Cairo University till now. She is currently a Master's degree student.

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