

# THE DEFINITIVE TREATMENT OF RECURRENT PYOGENIC GRANULOMA IN RELATION TO MAXILLARY ANTERIOR TEETH

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Pyogenic granuloma is one of the inflammatory hyperplasias, arises in response to various stimuli such as low grade local irritation, traumatic injury, sex hormones and certain kind of drugs such as cyclosporine.

## CHIEF COMPLAINT

A female patient of 42 years complains of recurrent swelling in relation to upper front teeth which bleeds during tooth brushing and on slight provocation since 2 months

## HISTORY

Removal of similar lesion in private clinic twice within 5 months

## TREATMENT

Excisional surgery along with open flap debridement to remove all granulation tissue carried out in relation to maxillary central incisors to avoid recurrence of lesion

Tissue was sent for histopathologic examination

## DISCUSSION

Pyogenic granuloma may occur at all ages but is predominantly seen in the second decade of life in young females, but in our case patient was of 42 years. Recurrence of growth in our case could be due to the incomplete removal of the granulation tissue, which leads to hyperplastic underlying fibrovascular connective tissue and proliferation of granulation tissue again and again.



## CLINICAL PRESENTATION

7x5mm growth on the interdental papilla at buccal aspect and 5x4mm on palatal aspect between maxillary central incisors

Manifesting as smooth, red, painless erythematous interdental papillary growth

## HISTOPATHOLOGIC FINDINGS

Parakeratinised stratified squamous epithelium with abundant chronic inflammatory cells and vascular channels in stroma, suggestive of pyogenic granuloma.



## CONCLUSION

Clinical correlation with histopathologic findings confirmed the diagnosis of pyogenic granuloma. The lesion resolved completely and no recurrence was reported in the 6 months follow up period after complete removal of granulation tissue by performing open flap debridement and oral hygiene reinforcement done at every follow up visit.