

NON-SURGICAL VERSUS SURGICAL ENDODONTICS:  
A BACTERIOLOGICAL, HISTOLOGICAL AND  
IMMUNOLOGICAL STUDY OF CHRONIC  
PERIAPICAL LESIONS

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**ABSTRACT**

Periapical tissue of 14 cases with chronic periapical lesions were studied bacteriologically, histologically and immunohistochemically to detect the possible improvement resulting from non-surgical treatment of such cases. They were divided into two groups according to the line of treatment adopted. In the first group, periapical surgery was performed without any prior treatment. In the second group, periapical surgery was performed one month after root canal treatment, non-surgical endodontic treatment of periapical lesions showed marked improvement based by the decreased bacterial count, the repair potential of the tissue and the decrease in T helper inducer cells with the increase in T suppressor/cytotoxic cells which denote the shift to down regulation of the immune response.

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