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*"Evaluation of Tinidazole(Fasign)in the treatment of periodontal diseases"*

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### **Evaluation of Tinidazole (Fasigyn) in the treatment of periodontal disease**

The present study was conducted to determine the efficacy of Tinidazole (Fasigyn) in the treatment of periodontal diseases.

Two groups of adult periodontitis patients (Russell's index score 6) were divided into 2 groups:

GROUP I:20 patients were treated with scaling and root planning plus mitronidazole (flagyl).

GROUP II:20 patients were treated with scaling and root planning plus Tinidazole

All the patients were given oral hygiene instructions and submitted to clinical study including :

Plaque index, gingival index, probing depth, loss of attachment

\*A biopsy was taken from each patient and was prepared for histological examination.

The clinical study and taking a biopsy were performed two times, one before the start of the treatment and other 4 weeks later.

The following results and conclusions were obtained:

1-There was significant improvement (clinical and histological) with treatment of adult periodontitis with Tinidazole(Fasigyn).

2-The improvement obtained with Tinidazole(Fasigyn) was parallel to that obtained with mitronidazole(Flagyl), in combination with scaling and root planning but without the adverse gastrointestinal reactions of Flagyl.

3-Tinidazole(Fasigyn)can be considered as a valuable drug against oral and anaerobic bacteria which gives rapid and good improvement.

4-Further investigations about the efficacy of Tinidazole in the treatment of different categories of periodontitis must be performed.