

CHAPTER VI

CONCLUSIONS

The results of this present study could be summarized as follows:

1. Alkaline phosphatase could be detected in crevicular fluid around experimental molars, control molars and miniscrew implants during the unloaded (2 weeks) and loaded periods (12 weeks).
2. Around experimental molars, the levels of alkaline phosphatase in gingival crevicular fluid during the loaded period (12 weeks) were significantly greater than those during the unloaded period (2 weeks).
3. Around control molars, the levels of alkaline phosphatase in gingival crevicular fluid during the loaded period (12 weeks) were not significantly different from those during the unloaded period (2 weeks).
4. Around miniscrew implants, the levels of alkaline phosphatase in peri-miniscrew implant crevicular fluid during the loaded period (12 weeks) were not significantly different from those during the unloaded period (2 weeks), as the miniscrew implants remained immobile throughout the experimental period.