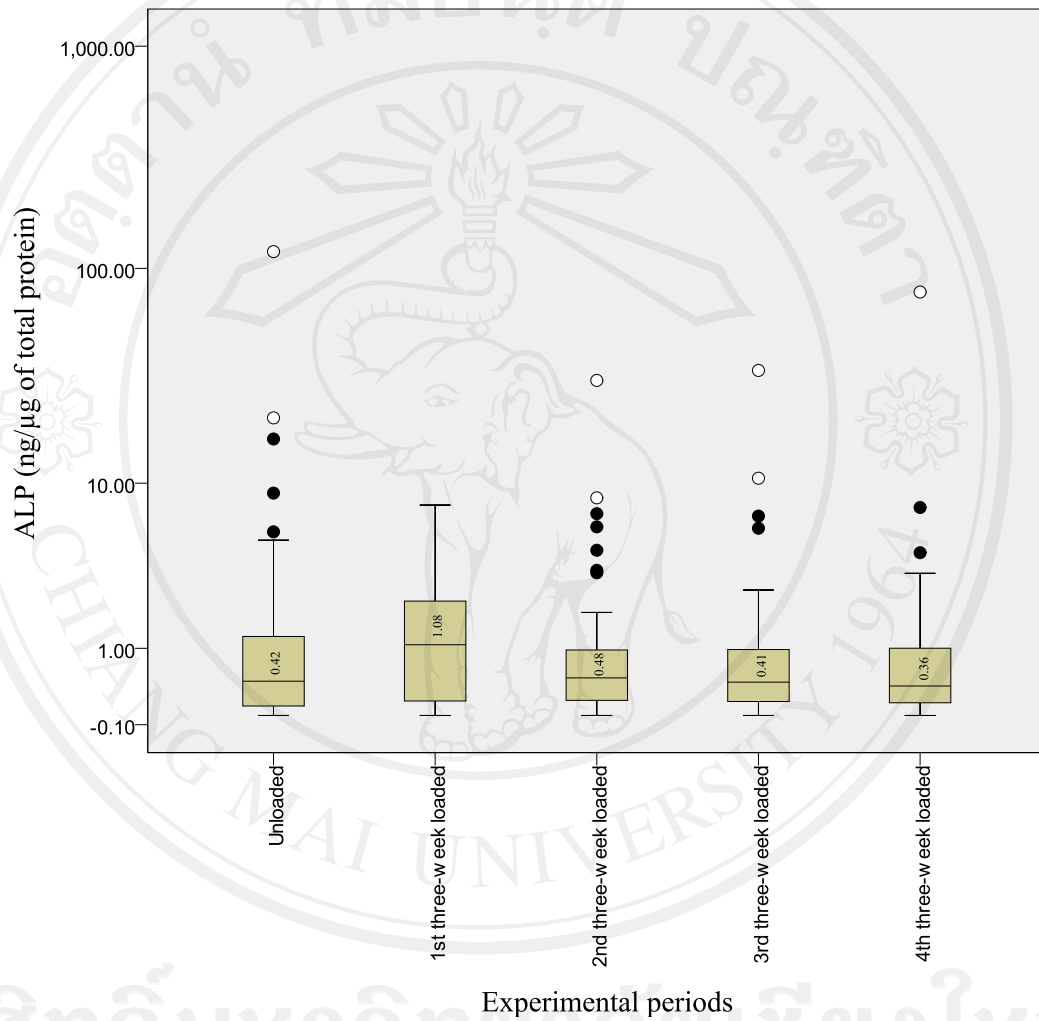
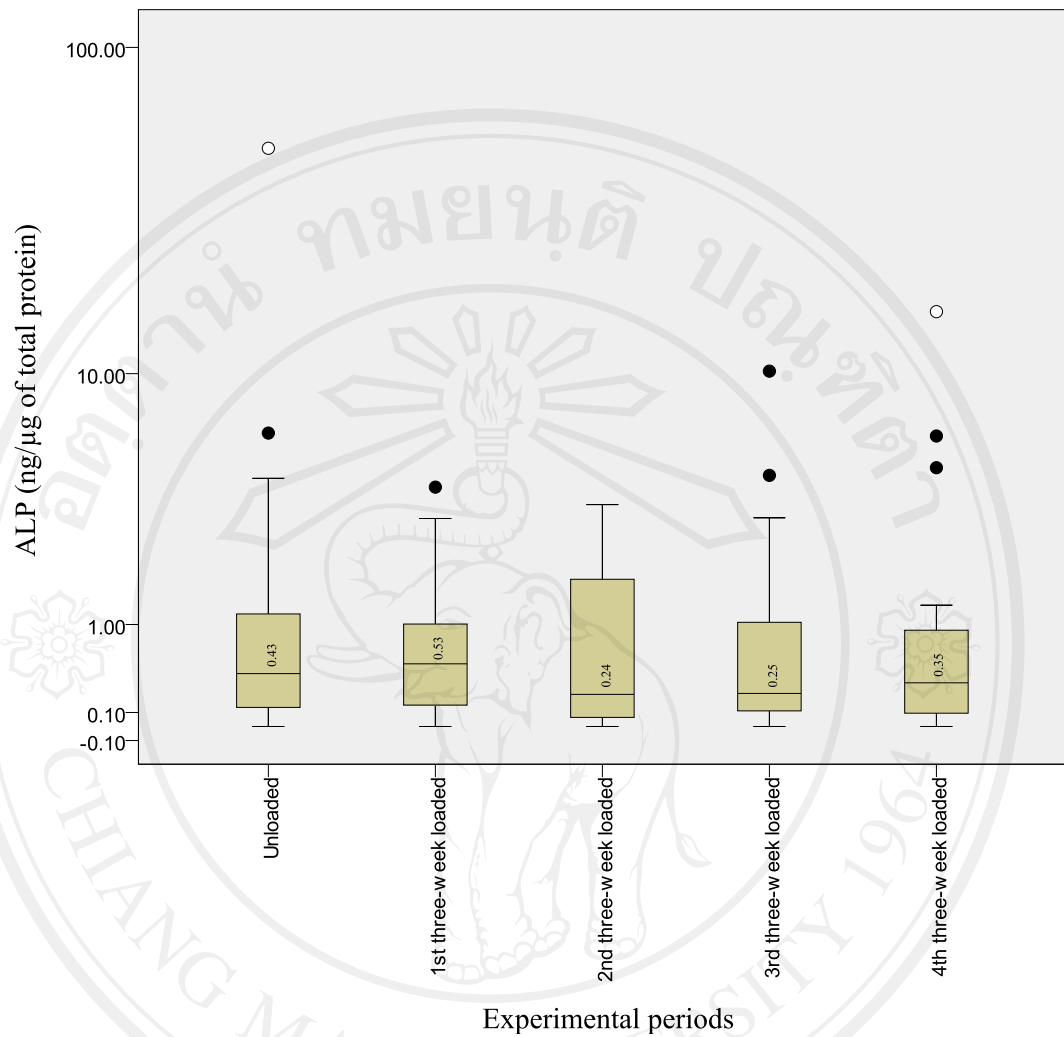


## APPENDIX



\*Significant difference:  $P < .05$

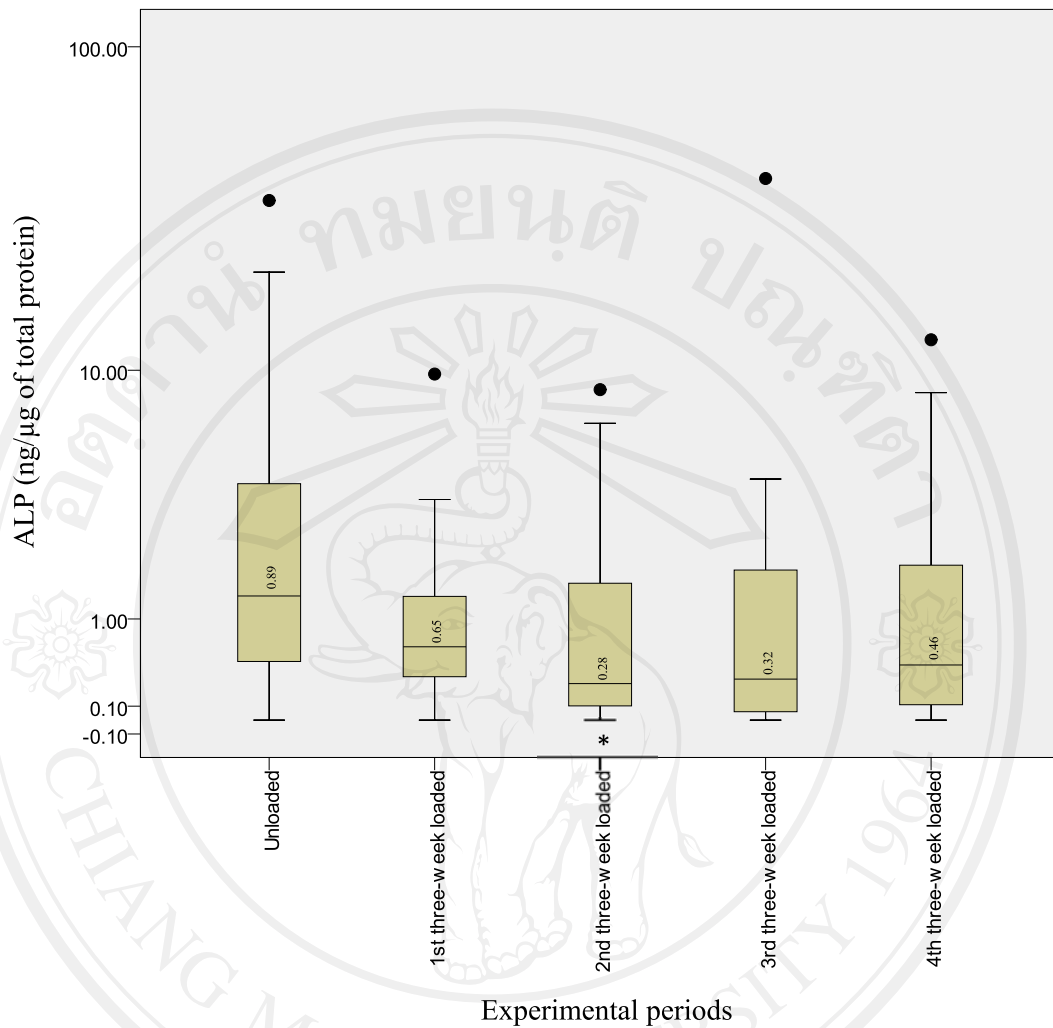
**Figure 12** Box plot graphs show the median of alkaline phosphatase levels around experimental molars during the unloaded period (2 weeks) and each three-week interval of the loaded period (12 weeks).



\*Significant difference:  $P < .05$

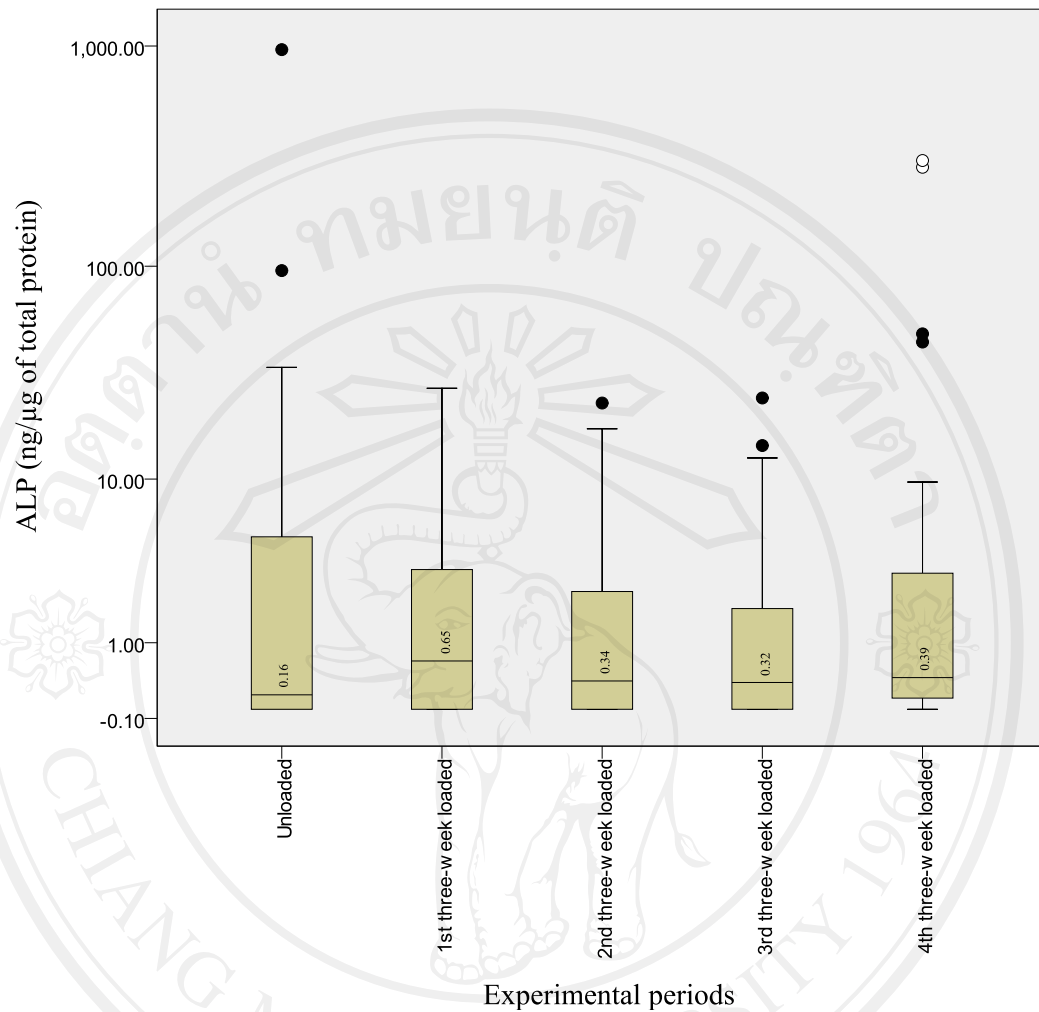
**Figure 13** Box plot graphs show the median of alkaline phosphatase levels around right mandibular first molars during the unloaded period (2 weeks) and each three-week interval of the loaded period (12 weeks).

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\*Significant difference:  $P < .05$

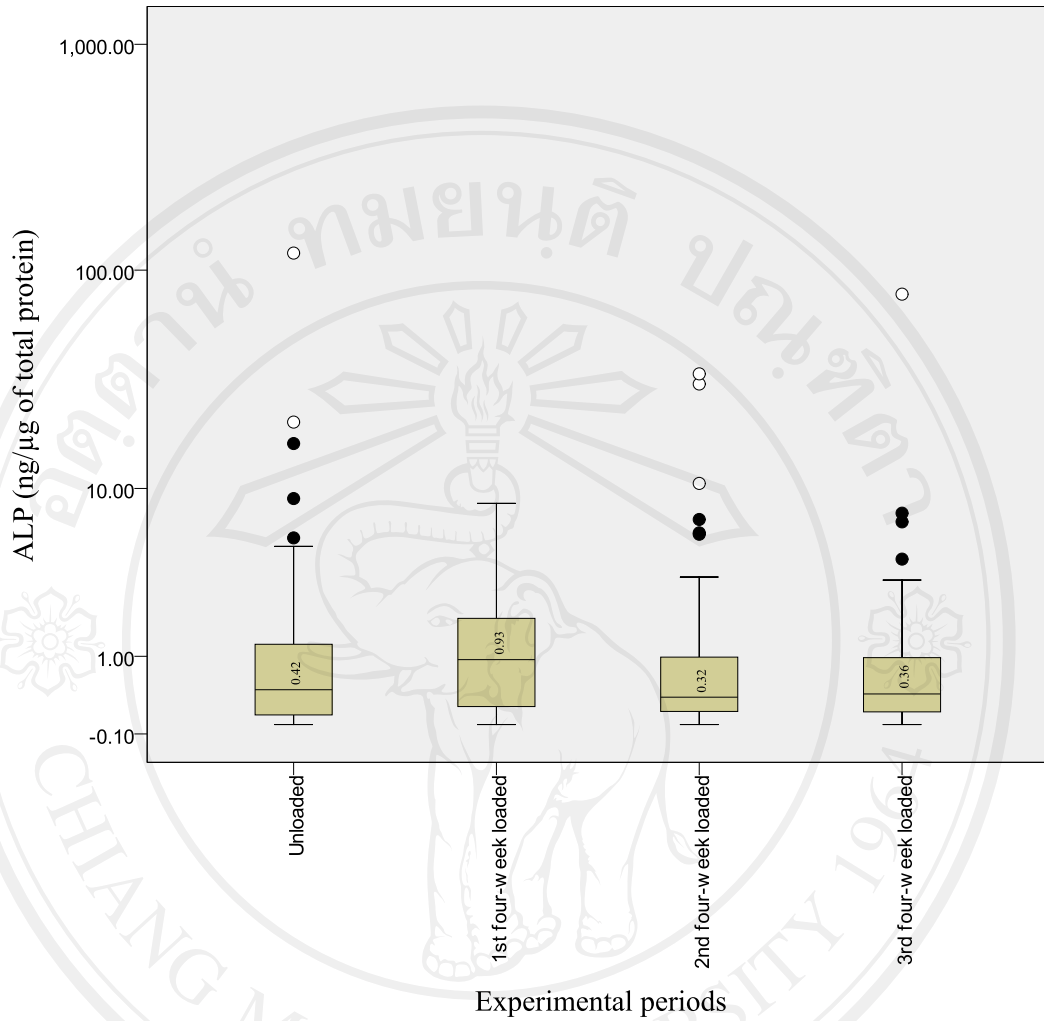
**Figure 14** Box plot graphs show the median of alkaline phosphatase levels around right maxillary second molars during the unloaded period (2 weeks) and each three-week interval of the loaded period (12 weeks).



\*Significant difference:  $P < .05$

**Figure 15** Box plot graphs show the median of alkaline phosphatase levels around miniscrew implants during the unloaded period (2 weeks) and each three-week interval of the loaded period (12 weeks).

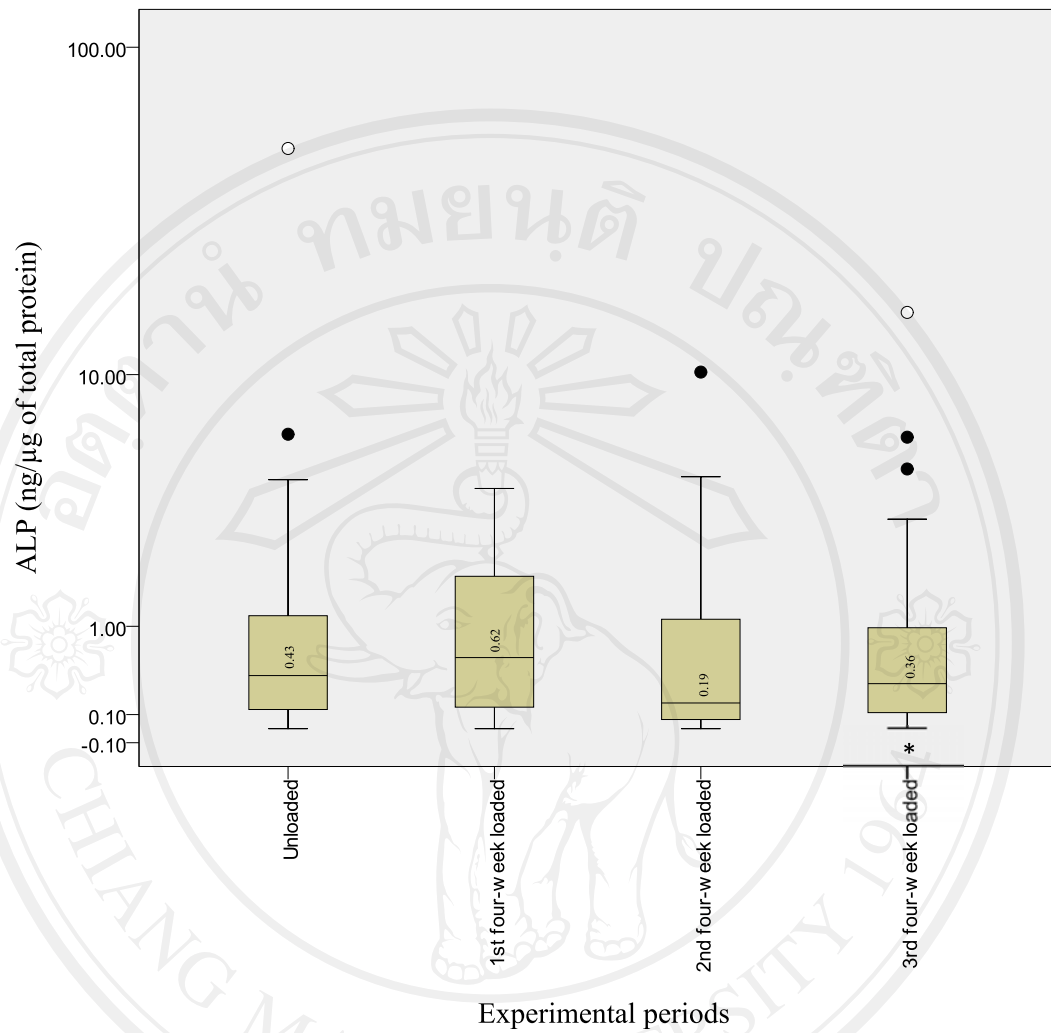
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\*Significant difference:  $P < .05$

**Figure 16** Box plot graphs show the median of alkaline phosphatase levels around experimental molars during the unloaded period (2 weeks) and each four-week interval of the loaded period (12 weeks).

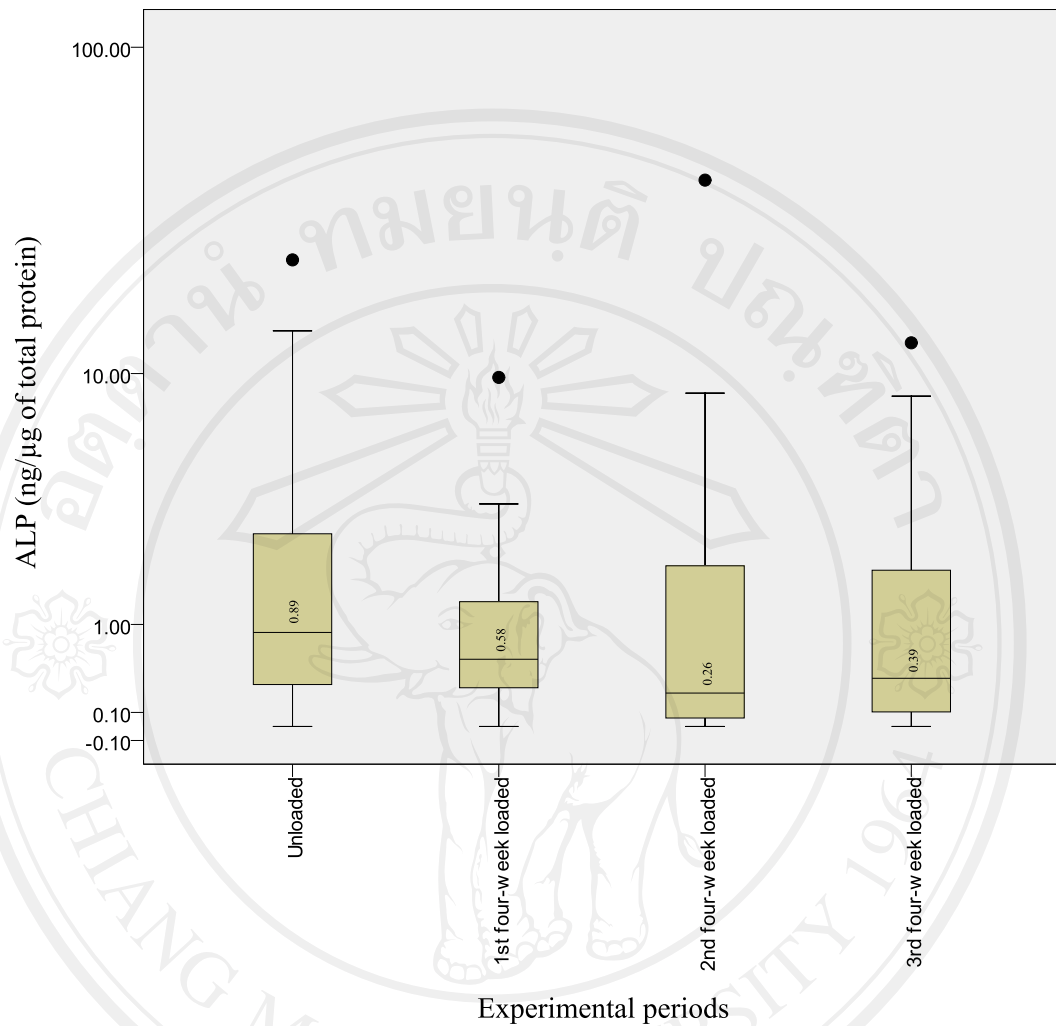
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\*Significant difference:  $P < .05$

**Figure 17** Box-plots show the median of alkaline phosphatase levels around right mandibular first molars during the unloaded period (2 weeks) and each four-week interval of the loaded period (12 weeks).

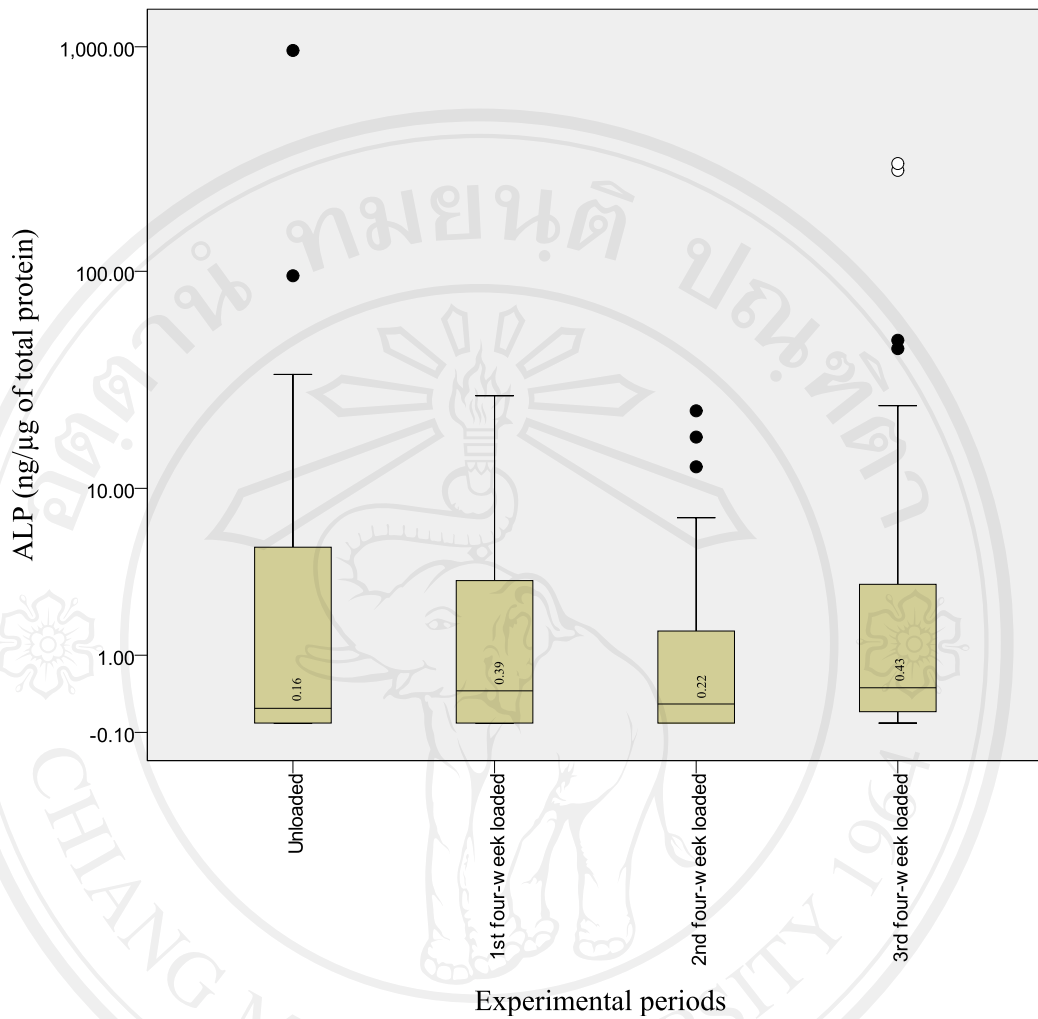
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\*Significant difference:  $P < .05$

**Figure 18** Box plot graphs show the median of alkaline phosphatase levels around right maxillary second molars during the unloaded period (2 weeks) and each four-week interval of the loaded period (12 weeks).

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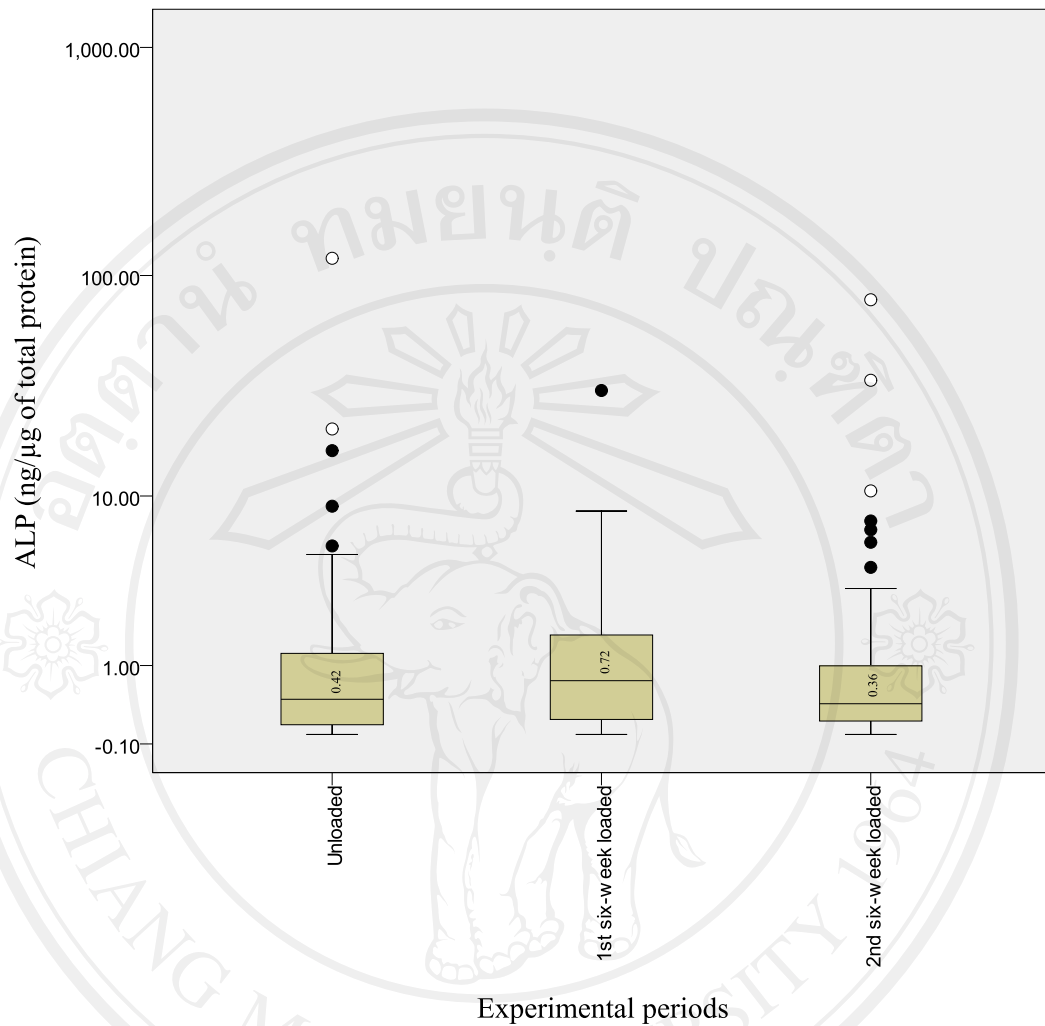


\*Significant difference:  $P < .05$

**Figure 19** Box plot graphs show the median of alkaline phosphatase levels around miniscrew implants during the unloaded period (2 weeks) and each four-week interval of the loaded period (12 weeks).

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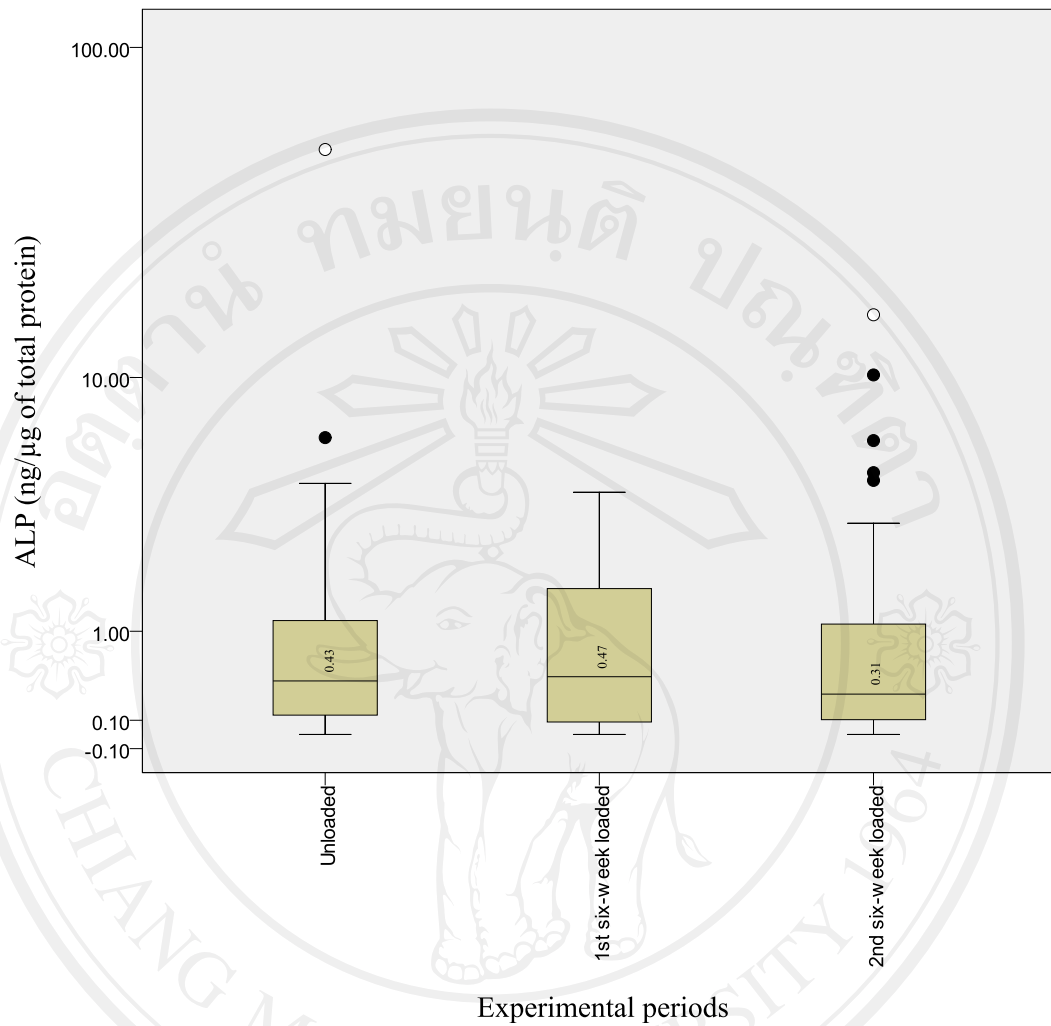




\*Significant difference:  $P < .05$

**Figure 20** Box plot graphs show the median of alkaline phosphatase levels around experimental molars during the unloaded period (2 weeks) and each six-week interval of the loaded period (12 weeks).

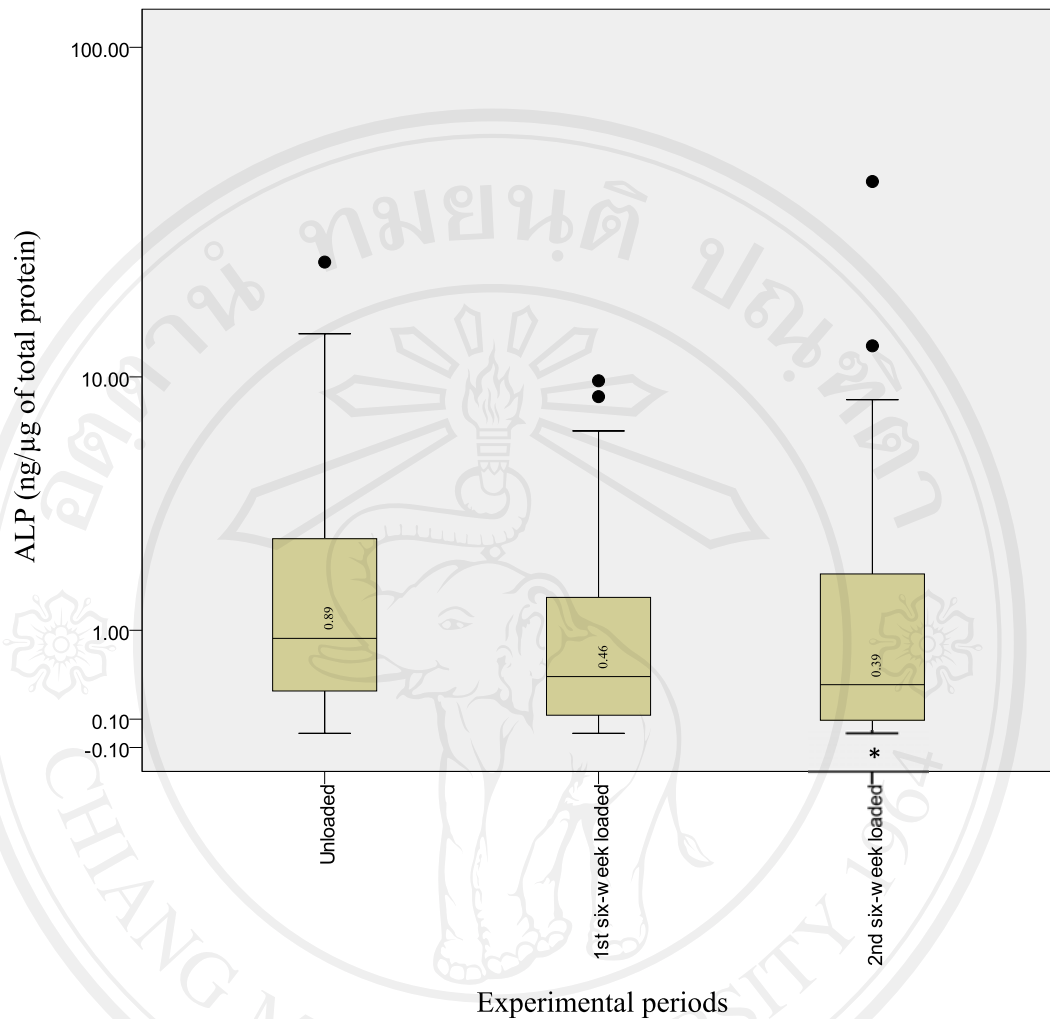
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\*Significant difference:  $P < .05$

**Figure 21** Box plot graphs show the median of alkaline phosphatase levels around right mandibular first molars during the unloaded period (2 weeks) and each six-week interval of the loaded period (12 weeks).

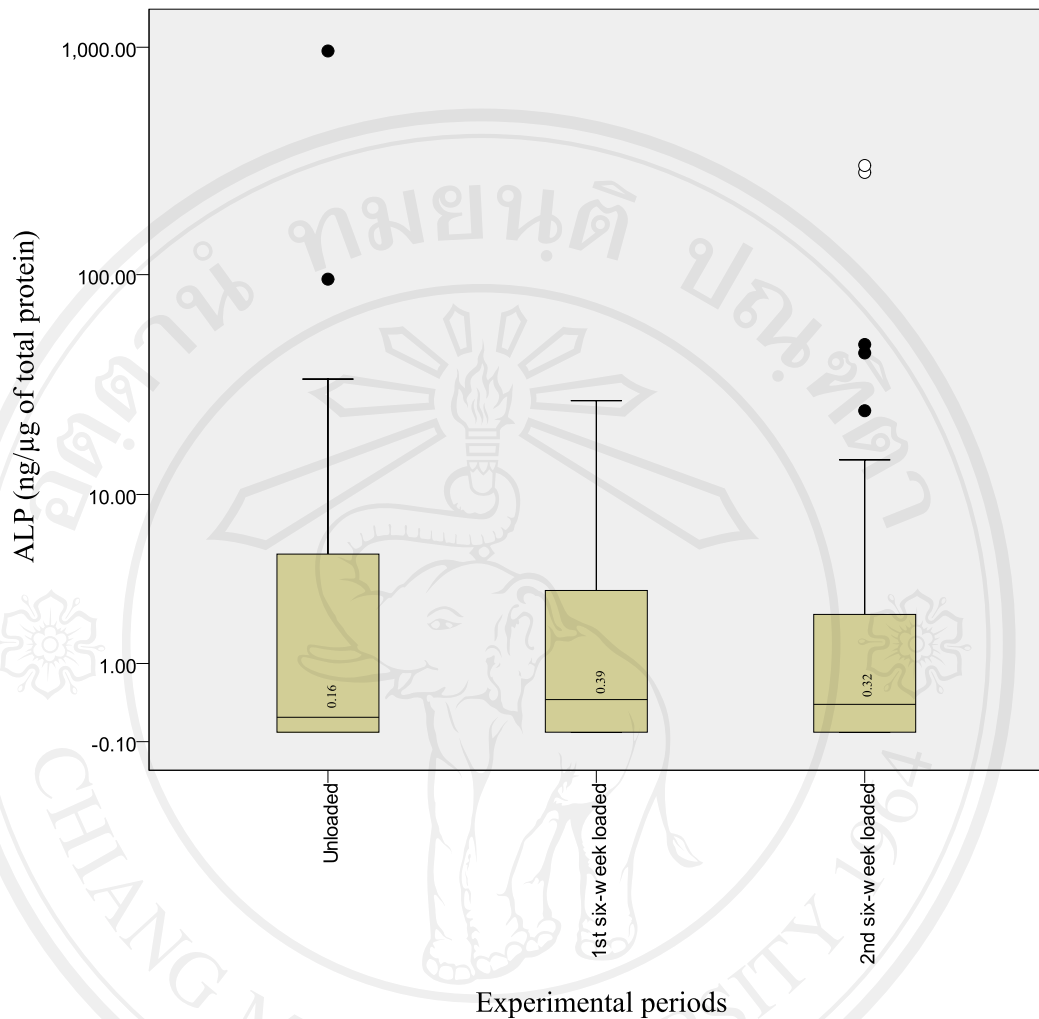
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\*Significant difference:  $P < .05$

**Figure 22** Box plot graphs show the median of alkaline phosphatase levels around right maxillary second molars during the unloaded period (2 weeks) and each six-week interval of the loaded period (12 weeks).

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\*Significant difference:  $P < .05$

**Figure 23** Box plot graphs show the median of alkaline phosphatase levels around miniscrew implants during the unloaded period (2 weeks) and each six-week interval of the loaded period (12 weeks).

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## CURRICULUM VITAE

**Name** Mr. Suwit Thaithamayanon

**Date of Birth** 12 May 1976

**Education**

|           |   |
|-----------|---|
| 1983-1994 | Mont Fort College, Chiang Mai, Thailand   |
| 1994-2000 | Doctor of Dental Surgery (D.D.S.), Faculty of Dentistry,<br>Chiang Mai University, Chiang Mai, Thailand |
| 2003-2005 | Master of Science (Pediatric Dentistry), Faculty of Dentistry,<br>Mahidol University, Bangkok, Thailand |

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