

1 CE Credit (self study)

This activity is intended for Orthodontists, General Dentists and Dental Staff

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Study Summary

Publication

The Angle Orthodontist

Title

Pain control in orthodontics using a vibration device:
A randomized clinical trial

Authors

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Key Objective:

- To investigate the relationship between a vibration therapy and pain perception during orthodontic treatment

Design Overview:

- 30 participants were asked to rate chewing/biting pain and overall pain during 4 months of adjustments and wire changes

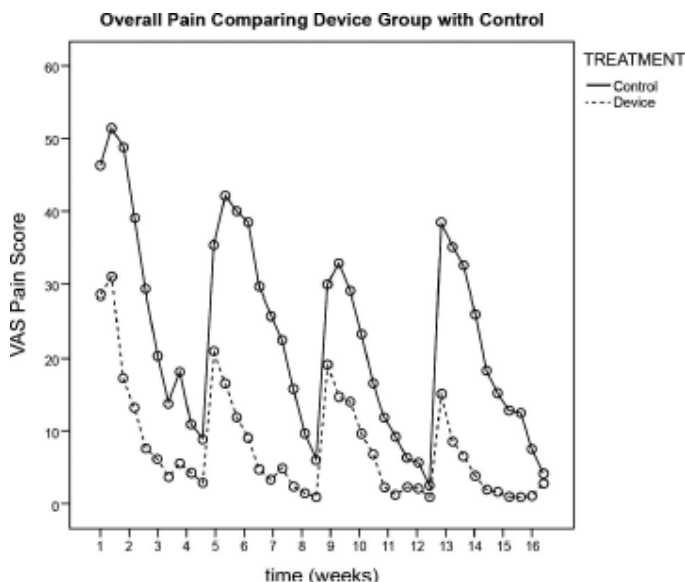
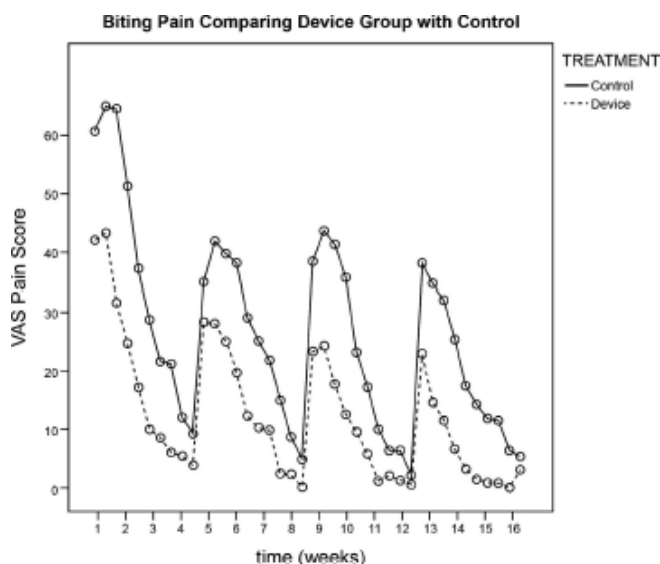
Key Findings:

- All participants using vibration reported that they were in less pain while using the device.
- The use of a vibration device significantly reduced the perception of overall and biting pain in patients undergoing orthodontic treatment versus controls.
- Patients undergoing vibration therapy used significantly less OTC medication for pain relief.

Conclusion:

Vibration therapy significantly lowered the pain scores for overall pain and biting pain during the four month study period.

Vibration therapy may be a safer and more effective means of postorthodontic pain control due to the reduced need for OTC medications.



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