



Class II Correction in Herbst and van Beek Headgear Activator – A Comparison of Treatment Changes

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Aim

To compare treatment and follow-up sagittal skeletal changes with van Beek Headgear activator (■ HGA) and Herbst appliance (■ HAA) followed by Andresen activator respectively.

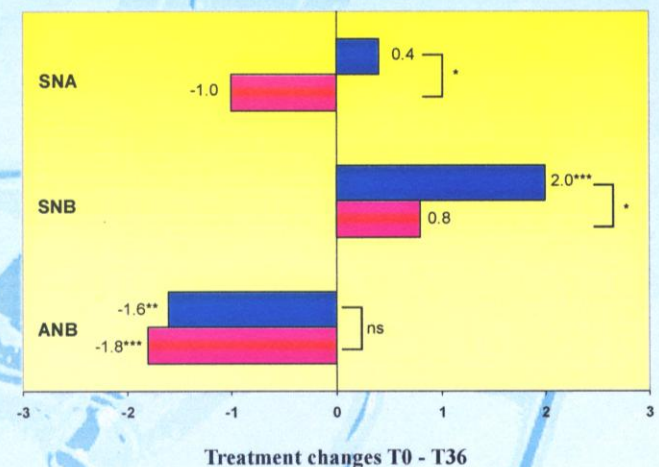
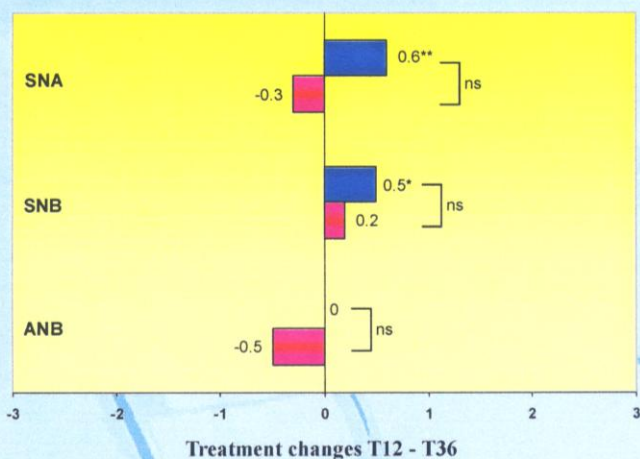
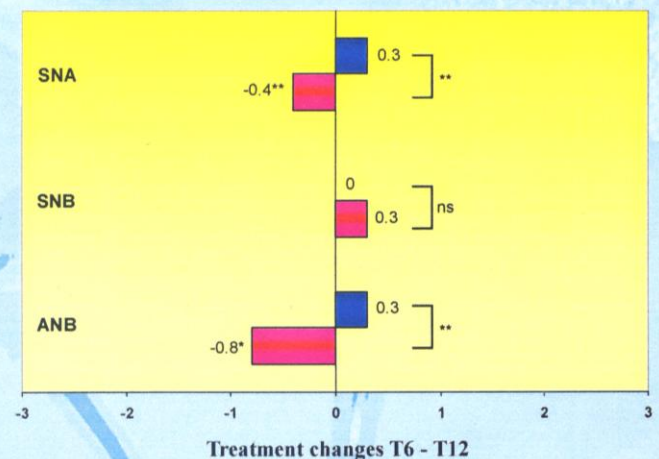
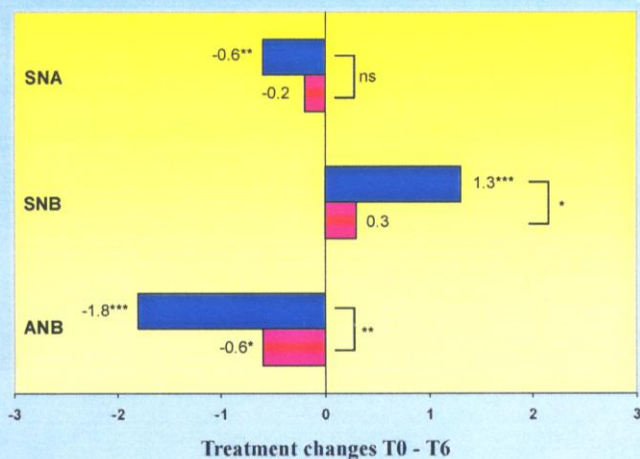
Subjects

16 consecutive male patients treated with HGA (mean age = 11.6) were compared to 16 male patients treated with HAA (mean age = 12.6) selected from a large prospective study.

Methods

Lateral cephalograms taken at the start of treatment (T0), 6 months (T6), 12 months (T12) and 24 months (T36) after treatment were analysed with the Björk's analysis.

Results



*p < 0.05; ** p < 0.01; *** p < 0.001
ns - not significant

Conclusions

Both modalities improved the jaw base relationship with different underlying skeletal changes.

With the Headgear Activator, improvement was achieved by restraining the forward growth of the maxilla whereas with the Herbst, improvement was attributed to larger sagittal growth of the mandible.