*ANGLE ORTHODONTIST



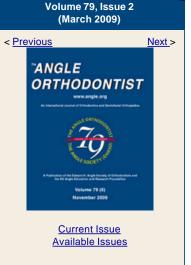
An International Journal of Orthodontics and Dentofacial Orthopedics

HOME JOURNAL SUBSCRIBERS AUTHORS REVIEWERS SOCIETY RELATEDLINKS HELP

Quick Search

Home > The Angle Orthodontist > March 2009. > Stability in Dental Changes in RME and SARME: A 2-Year Follow-up

Advanced Searc



◆Previous Article

Volume 79, Issue 2 (March 2009)

Next Article

■

Add to Favorites A Share Article 🐉 Export Citations 📓 Track Citations 📓 Permissions

Full-text

PDF

Oral Sokucu, H. Huseyin Kosger, A. Altug Bıcakci, Hasan Babacan (2009) Stability in Dental Changes in RME and SARME: A 2-Year Follow-up. The Angle Orthodontist: Vol. 79, No. 2, pp. 207-213.

Original Articles

Stability in Dental Changes in RME and SARME: A 2-Year Follow-up

Oral Sokucu^a, H. Huseyin Kosger^b, A. Altug Bıcakci^c, and Hasan Babacan^c

Abstract

Objective: To compare the effects of rapid maxillary expansion (RME) and surgically assisted rapid maxillary expansion (SARME) on dentoalveolar structures following orthodontic treatment, as well as stability at 2-year follow-up.

Materials and Methods: Two groups of subjects were used in the study. Group 1 consisted of 14 subjects (mean age, 12.7 \pm 1.4 years) who were treated with RME, and Group 2 consisted of 13 subjects (mean age, 18.5 \pm 2.3 years) who were treated with SARME. In both groups, all cases had a maxillary width deficiency with bilateral crossbites. Maxillary dental casts were available at three different intervals: pretreatment (T1), after orthodontic treatment (T2), and at follow-up recall (T3). Intermolar and interpremolar width, palatal height, and maxillary arch depth and length were assessed from maxillary dental casts.

Results: Treatment by RME and SARME produced significant increases in intermolar and interpremolar width and maxillary arch length after expansion (T2) (P < .05). The amount of relapse was not significantly different 2 years after treatment (P > .05).

Conclusions: Although age ranges of the patient groups are different, the dentoalveolar responses of RME and SARME were similar after orthodontic treatment. (Angle Orthod. 2009:79;)

Keywords: Rapid maxillary expansion, Surgically assisted rapid maxillary expansion, Dentoalveolar changes, Dental cast

Accepted: April 2008;

- ^a Assistant Professor, Cumhuriyet University, Department of Maxillofacial Surgery, Faculty of Dentistry, Sivas, Turkey
- ^b Assistant Professor, Cumhuriyet University, Department of Maxillofacial Surgery, Faculty of Dentistry, Sivas, Turkey
- ^c Associate Professor, Cumhuriyet University, Department of Orthodontics, Faculty of Dentistry, Sivas, Turkey

Corresponding author: Dr Oral Sokucu, Department of Orthodontics, Faculty of Dentistry, Cumhuriyet University, 58140 Sivas, Turkey (almanoral@hotmail.com)



Journal Information

ISSN: 0003-3219 Frequency: Bimonthly

Register for a Profile

Not Yet Registered?

Benefits of Registration Include:

- A Unique User Profile that will allow you to manage your current subscriptions (including online access)
- The ability to create favorites lists down to the article level
- The ability to customize email alerts to receive specific notifications about the topics you care most about and special offers

Register Now!

Related Articles

Articles Citing this Article

Google Scholar

Search for Other Articles By Author

- € Oral Sokucu
- € H. Huseyin Kosger
- € A. Altug Bıcakci
- e Hasan Babacan

Search in:

ja Angle Online

Search



top 🛎

© 2010 The E. H. Angle Education and Research Foundatio
Allen Press, Inc. prints The Angle Orthodontis
Allen Press, Inc. assists in the online publication of The Angle Orthodontis
Technology Partner - Atypon Systems, Inc