



Our Research is Your Success...

September
2010

Published in:

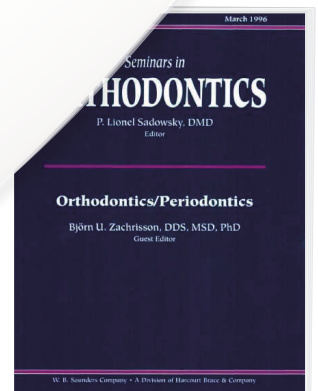
Seminars in
ORTHODONTICS

”

Skeletal Implant Anchorage in the
Treatment of Impacted Teeth-A Review
of the State of the Art”*

Stella Chaushu and Gavriel Chaushu

*Stella Chaushu, Gavriel Chaushu. Skeletal Implant Anchorage in the Treatment of Impacted Teeth-A Review of the State of the Art. Seminars in Orthodontics. 2010, 16(3): 234-241.



¹Stella Chaushu
²Gavriel Chaushu

“Skeletal Implant Anchorage in the Treatment of Impacted Teeth-A Review of the State of the Art”

ABSTRACT.

The surgical-orthodontic approach is the most commonly used modality in patients with impacted teeth. It is also the most challenging. The prognosis of treatment is uncertain, treatment takes much longer and is more painful, and the enhanced biomechanical efforts required to bring the tooth to its ideal position frequently cause deleterious side effects to the remainder of the dentition. Skeletal anchorage is a useful aid in these cases. It can be judiciously exploited to assess the prognosis of canine movement, open adequate space for the canine, and build up a reliable anchorage unit that will allow the application of controlled directional forces with fewer side effects on the anchorage teeth. Treatment is facilitated and shortened because the resolution of the impaction may be performed separately before or even simultaneously with treatment of the remainder of the dentition, as 2 distinct force systems. The present article reviews some of the main indications for implant anchorage in treatment of impacted teeth.



Use of skeletal anchorage to shorten duration of appliance wear. A more gingivally-placed miniscrew subsequently inserted to increase the range of force exerted by an elastic chain underneath the artificial esthetic pontic.

Authors' affiliations

¹Department of Orthodontics, Hebrew University-Hadassah School of Dental Medicine, Jerusalem, Israel.

²Department of Oral and Maxillofacial Surgery, Maurice and Gabriela Goldschleger School of Dental Medicine, Tel-Aviv University, Tel-Aviv, Israel.