Mini-Implants: Increasing Success - the Anterior Palate

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Personal TAD Journey:

- From initial enthusiasm to frustration towards realistic expectations
- What is the secret and main advantage of the anterior palate?

Our most popular biomechanics:

- **RME:** Hybrid Hyrax
  Class III treatment
- **Distalization:** Beneslider
  Frog
- **Mesialization:** Mesial- and T-Mesialslider
  "Missing laterals"
  Mesial- Distalslider
- **Intrusion:** "Mousetrap" and friends

Application of a new viscoelastic finite element method model and analysis of miniscrew-supported hybrid hyrax treatment

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Traben-Trarbach, Homburg/Saar, Witten, and Düsseldorf, Germany, Cleveland, Ohio, and Sivas, Turkey
RME: Maxillary advancement

Mesial migration of the dentition

Transfer of the force to the bone
Hybridhyrax and Mentoplate
Distalization: Beneslider

Wilmes B, Nienkemper M, Ludwig B, Kau CH, Pauls A, Drescher D. Esthetic Class II Treatment with the Beneslider and Aligners. JCO 2012.46:390-8
Combination of distalization mechanics and... 

... conventional braces

... lingual braces

... Aligners
Distalization: FROG
Mesialization: MesialSlider
Mesialization: T-MesialSlider
Mesialization: Missing laterals
Molar intrusion

„Mousetrap Mechanics“

Molar intrusion

„Mousetrap Mechanics“

Molar intrusion