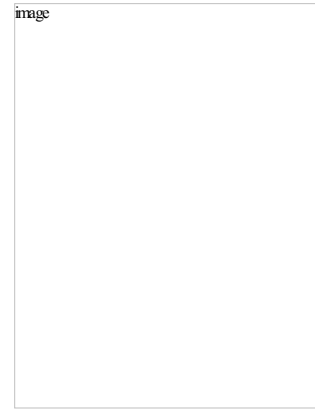


# Author's Accepted Manuscript

Temporary Anchorage Applications Revisited!

Nikhilesh R Vaid



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## Temporary Anchorage Applications Revisited!

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## Temporary Anchorage Applications Revisited!

“We must revisit the idea that science is a methodology and not an ontology.”

Deepak Chopra<sup>1</sup>

Orthodontics in this millennium has been a potpourri of ideas, methodologies and emerging philosophies - some newly visited, some revisited. Appliances, technology and diagnostics have undoubtedly expanded the dimensions of orthodontic care. However, it is the biomechanical treatment strategies and solutions to anchorage roadblocks in orthodontic mechanotherapy that have probably impacted clinical orthodontics the greatest! As a result, this issue of Seminars in Orthodontics revisits Temporary Anchorage Devices (TADs) more than a decade after a past issue of Seminars was dedicated to this topic.

TADs are no longer an emerging trend today, they are an established “methodology and ontology” in Orthodontic cerebral spaces and dexterous domains! I recollect an incident narrated by a renowned orthodontic professor at an orthodontic congress a couple of years ago. He said “Nowadays, before my residents discuss a treatment plan with me, I first ask them- Tell me how will you treat this patient without TADs?” Thought provoking indeed! TADs have made treatment plans that were previously unthinkable, today’s reality! The philosophy behind skeletal anchorage is that if reactive forces can be absorbed by skeletal structures, tooth movements can accomplish the desired therapeutic goals, and the undesirable reactive side effects can be prevented entirely.<sup>2</sup> The best analogy for this phenomenon could be, “an ice cream with zero calories”! Skeptics say TADs are being overused, while the initiated can’t have enough of them.

As we zero in on applications, it’s imperative to focus on TAD configurations. Though many different types of TAD assemblies have been suggested, only two have proven reliable and feasible over the long run: single mini-screws (alone or in combinations) and mini-plates held in place by more than a single screw. Both of these methods have proven to be effective in creating the desired level of anchorage control.<sup>2</sup>

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