THE DOT-COM PATIENT

“I WANT STRAIGHT TEETH QUICK”
“I WANT STRAIGHT TEETH QUICK”

Quantifying the Acceleration Terrain

Unanswered questions?

Innovative Strategies & Solutions

Clinical Trials for the future

ISS: The HARE & TORTOISE Story
• The need?
• The methods!
• Connecting the two :)
Products, Procedures... or a Pipe Dream? A Reality Check on the Game called “Accelerated Orthodontics”!

A patient of mine who was in treatment with me for close to 17 months had to move to the USA as he was going to go to university there. I did the usual formalities; prepared transfers forms and help him seek an orthodontist in the town he was to study. The transfer went along well. He was very happy with the new orthodontist, and the treatment was cruising along. He did come by to the office, and say

It’s one thing to collate literature or research findings and make a conclusion. It’s quite another to tell a paying patient, “If you agree to spend X no of dollars for a product or a procedure, your treatment time will reduce from 5 to 2 months? Are we there yet on this “acceleration of tooth movement” terrain to make such decisions confidently?

The “acceleration of tooth movement” protocols fall basically under two groups for a clinician:

a. Products: That is, accelerant, propel, low level lasers, electrical currents etc.

b. Procedures: That is, corticotomies, osteotomies, interseptal procedures, piezzo surgeries, local injections, distraction of periodontal ligament (PDL), surgery first

If you agree to spend X number of dollars for a “Product” or a “Procedure”, your treatment time will reduce from 5 to 2 months!

ARE WE THERE YET?
Unanswered questions?

• Level of Information
• Bottom lines
• The missing links!
ACCELERATION: The BOTTOM LINES?

So what's your marathon timing?

I've never run a “Full Marathon”

* PART OF TREATMENT
* TECHNIQUE SPECIFICITY
* SPLIT MOUTH
* ADVERSE EFFECTS?

“Overall reporting is suboptimal making data extraction procedures problematic”

Gkantidis et al 2014
ACCELERATION: The BOTTOM LINES?

WHAT DETERMINES SPEED?
Growth Status, Appliance Efficacy?

DO WE HAVE DATA ON NORMAL TREATMENT TIMES?
You're Joking Right?

WHAT ARE THE DIFFERENT BIOLOGICAL RESPONSES TO FORCE?
Pharmacological, Biological-Bioelectrical, Physical Intervention

Unanswered questions?
• Our Trysts :) 
• Mechanics Checklist ! 
• Breaking News !
ACCELERATION : Our Trysts :) 

- A Vibration Device : YMT Vib  
- MOP V/S Corticotomy  
- MOP Variants  
- RCT s in Progress :  
  Propulsion, Vibrations, LLT
• Current Trials on Acceleration?
• The 6 pointers for the future!
The 6 point something!

- Uniform Designs, evaluating entire treatment
- Multi centric Evaluation of the Designs
- Patient Experience Scores for Holistic assessment
- Personalised Acceleration Modality (Early)
- Qualitative Data non negotiable (PAR & ABO)
- Stability of treated results

Vaid NR. Products, Procedures or a Pipe Dream?
APOS Trends in Orthod 2015;5:53-5
"I WANT STRAIGHT TEETH"

Patients want it, Orthodontists too! Aggressive Protocols not Preferred

Evidence still moderate to low!
Mechanism of Action: Different viewpoints

Smart Mechanics don’t have a substitute!
MOPs, Lasers, YMT Vib, Secretomes & SoBo: Promise

Clinical Trials for the future

The right markers!
The 6 point something :)
THE ACCELERATION TERRAIN

“WE’RE GETTING THERE BUT NOT YET”