

INTERVENTIONS TO ACCELERATE ORTHODONTIC TOOTH MOVEMENT – ARE THEY EFFECTIVE

- Dr. N.R. KRISHNASWAMY

- There is an increase in the number of adults seeking orthodontic treatment
- The reason for adults rejecting orthodontic treatment include:
 - Duration of Treatment
 - Poor esthetics during treatment
 - Difficulty wearing an appliance
 - Cost
- The rate of tooth movement is slow in adults compared to adolescents because their metabolism is much slower.
- Accelerating tooth movement can be achieved either by Chemical, Physical or Surgical means.
- All surgical interventions supposedly accelerate tooth movement by invoking RAP.
- Surgical procedures can be classified as Osteotomy based or Corticotomy based.
- Osteotomy facilitated procedures are promising but very invasive.
- Corticotomy facilitated procedures are less invasive and effective.
- Corticotomy facilitated procedure can be made less invasive and flapless by using Piezotome.
- Micro Osteo Perforation is the least invasive of all the surgical approaches.
- The efficacy and treatment outcome of all the surgical interventions in accelerating the rate of space closure was assessed in a randomized Clinical trial.
- The outcome of various approaches will be discussed.