

International E-Conference on

DENTAL HEALTH FORUM

December 03-04, 2020 | Webinar

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ACCELERATED ORTHODONTICS

Orthodontic treatment is the reorganization of skeletal and/or dental tissues. Prolonged treatment duration is one of the main concerns of patients undergoing fixed orthodontic treatment. Unfortunately, long orthodontic treatment time poses several disadvantages like higher predisposition to dental caries, gingival recession and root resorption etc. Therefore this increases the demand to find the best method to increase rate of tooth movement with the least possible disadvantages. Orthodontic treatment is based on the premise that when force is delivered to a tooth and thereby transmitted to the adjacent investing tissues, certain mechanical, chemical, and cellular events take place within these tissues, which allow for structural alterations and contribute to the movement of that tooth. Consequently, researchers introduced few methods to accelerate the velocity of the tooth movement without any drawbacks. These kind of methods used in orthodontics are popular as accelerated orthodontics. Accelerated orthodontics could be possible by mechanical stimulation or device assisted therapy, surgical therapy and by the use of pharmacological agents.

The purpose of this presentation is to describe and evaluate the methods used in accelerated orthodontics.

Biography:

Dr Vijay Agarwal has completed his BDS (2004) and MDS (2008) from Government College of Dentistry, Indore and secured first rank in MP Pre - Pg examination. He is in private practice in Jaipur from last 12 years. He has numerous publications to his credit in various National and International Journals and contributed as co-author of textbook.