

29th IOS NATIONAL PG CONVENTION

WORKSHOP

Precision Anchored: Advances in TADs for Contemporary Orthodontics



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DATE: 5TH FEB 2026

TIME: 9AM - 4PM

Precision Anchored: Advances in TADs for Contemporary Orthodontics

HANDS ON WORKSHOP

Temporary Anchorage Devices (TADs) have enhanced orthodontic biomechanics by providing absolute skeletal anchorage for complex tooth movements. These biocompatible titanium mini-screws are strategically placed in alveolar or extra-alveolar sites to facilitate complex tooth movements not feasible with conventional anchorage systems.

A comprehensive understanding of TAD biomechanics is essential for optimizing clinical outcomes. This includes site-specific placement protocols, cortical bone engagement, vector-driven force application, insertion torque dynamics, and peri-implant soft tissue considerations.

The pre-conference will feature evidence-based lectures followed by a guided hands-on session. Participants will engage in a live demonstration of TAD placement on 3D-printed maxillary and mandibular models, simulating intraoral conditions with high anatomical accuracy.

WORKSHOP SCHEDULE

Session	Topic
Lecture 1	Evolution of TADs
Lecture 2	Case Selection and Biomechanical Considerations for TADs
Tea Break	
Lecture 3	Criteria for Successful Placement of TADs
Lunch Break	
	Video demonstration.
Tea Break	
	TAD Placement on 3D Printed Maxillary and Mandibular Models

LEARNING OBJECTIVES

- Participants will be able to describe the evolution of Temporary Anchorage Devices (TADs) and identify appropriate cases for TAD application, based on clinical scenarios and treatment goals.
- Participants will be able to explain the biomechanical principles that influence the effective use of TADs
- Participants will be able to apply site-specific placement protocols, selecting alveolar or extra-alveolar anchorage points according to treatment requirements.
- Participants will be able to assess cortical bone engagement techniques to ensure optimal stability and anchorage in clinical practice.
- Participants will be able to discuss and implement strategies to minimize complications during and after TAD placement.
- Participants will be able to integrate evidence-based approaches into their clinical decision-making, using current research and guidelines for TAD use.
- Participants will be able to perform TAD placement on 3D-printed maxillary and mandibular models, simulating real intraoral conditions with anatomical accuracy.
- Participants will be able to develop customized treatment plans, incorporating TADs to achieve complex tooth movements in various orthodontic cases.

REGISTRATION DETAILS

Fee: ₹4000/-

Includes: Each delegate will be provided with workshop materials, mini-implants and certificates

3D printed models will be provided for the hands-on session.

FOR QUERIES, CONTACT

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₹4,000/-

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