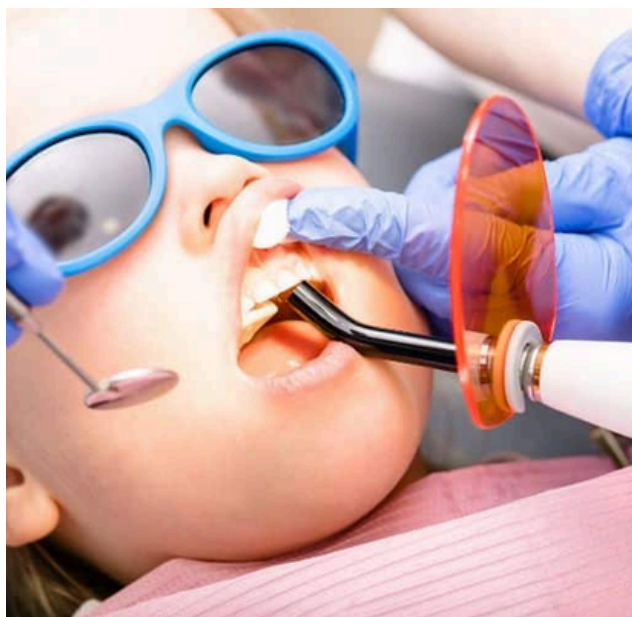


# THE LASER TIMES

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## MINIMALLY INVASIVE LASER CARE

This Session was conducted by Dr. Maitreyee Bhosle Shah, who delivered an insightful session on the Applications of Diode Lasers in Pediatric Dentistry. She elaborated on various clinical indications and treatment approaches, with a special focus on TOTS and the effective use of Diode Lasers for precise, minimally invasive management. The session highlighted practical protocols and clinical advantages of Laser assisted procedures in Paediatric Patients.



## DIODE LASER SURGERY IN PEDIATRIC DENTISTRY & TOTS



Dr. Maitreyee Bhosle Shah shared clinical case examples to demonstrate successful outcomes achieved through laser-assisted techniques. The interactive discussion allowed participants to clarify practical aspects of integrating diode lasers into routine pediatric dental practice.

**“IMPROVING PEDIATRIC DENTISTRY OUTCOMES WITH DIODE LASERS”**

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## HIGHLIGHTS

This Session was delivered by Dr. Siddhartha Varma, focusing on the Science and Clinical Applications of Laser-Assisted Teeth Whitening. The session began with an overview of conventional whitening protocols and gradually transitioned into the advantages and mechanisms of laser-activated whitening procedures.

Through detailed clinical cases and supporting research, Dr. Varma demonstrated how laser technology enhances whitening efficiency, improves clinical outcomes, and optimises patient experience. He also highlighted the concept of organic whitening and its role in achieving safe and effective aesthetic results.



## LASER-ASSISTED TEETH WHITENING



The session provided participants with a comprehensive understanding of the procedure and reinforced an important perspective – Lasers in Dentistry extend far beyond cutting applications, offering powerful possibilities in Aesthetic and Therapeutic Dentistry.

**“BROADENING DENTAL AESTHETICS THROUGH LASER-ASSISTED PROCEDURES”**

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## HIGHLIGHTS

The session was conducted by Prof. Chandrashekhara Yavagal, who delivered an insightful lecture on the Applications of Lasers in Endodontics, focusing on protocols for achieving maximum bacterial reduction during Root Canal Treatment.

A key highlight was the discussion on Laser-assisted bacterial reduction protocols supported by various scientific studies demonstrating near-complete canal disinfection with laser technology. Prof. Yavagal also explained the importance of correct dosimetry parameters and energy settings for predictable clinical outcomes.



## LASERS IN ENDODONTICS



He highlighted the advantage of a flexible polyamide bendable laser tip, which adapts better to the complex root canal anatomy and allows deeper penetration compared to conventional techniques.

The session also briefly covered Photobiomodulation and Photodynamic Therapy in endodontic disinfection, followed by an engaging discussion with participants.



**“LASER-ASSISTED  
PROTOCOLS FOR  
EFFECTIVE  
ENDODONTIC  
DISINFECTION”**

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## LASER STAR OF THE MONTH



**Dr. P. Parameswar Naishadham**

- Oral Pathologist and Microbiologist
- International Research Fellow (IRF), AALT Singapore
- Founder - Jayalakshmi Dental Clinic, Hyderabad

## DR. P. PARAMESWAR NAISHADHAM

Dr. P. Parameswar Naishadham, MDS, is a clinician with 12 years of practice, including 4 years of dedicated experience in Laser Dentistry.

He is particularly passionate about the application of lasers in treating Oral Lesions, appreciating their remarkable healing capabilities and effectiveness in pain management. His keen interest lies in the ability of lasers to promote faster healing with minimal discomfort to patients.

Dr. Naishadham frequently performs Photobiomodulation (PBM) therapy and uses the **NOVOLASE DUAL ENDO (640 nm + 810 nm)** system in his daily clinical practice. He envisions integrating laser dentistry into every possible case to enhance treatment outcomes.

His advice to aspiring laser specialists is simple: keep your laser ready and incorporate it routinely into practice, as consistent utilisation is key to mastering Laser Dentistry.

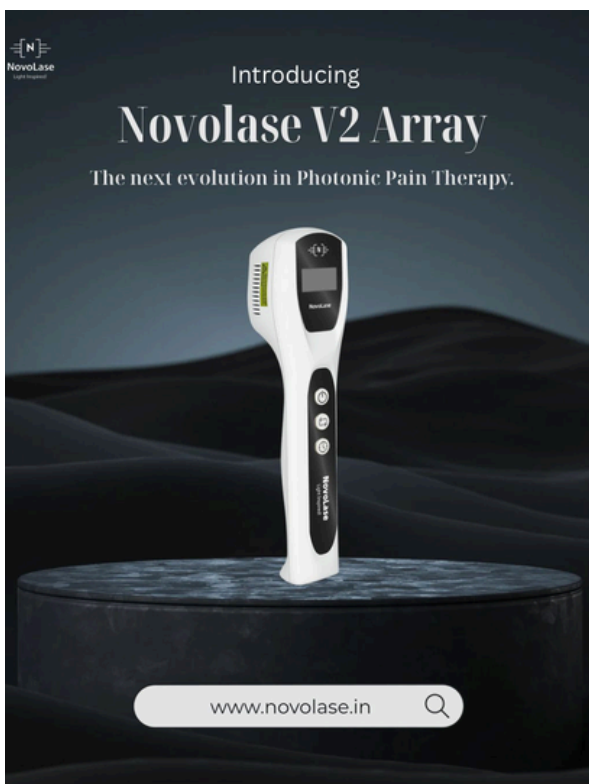


**“INTEGRATE LASERS REGULARLY FOR BETTER CLINICAL OUTCOMES : DR. P. PARAMESWAR NAISHADHAM”**

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## LASER PRODUCT OF THE MONTH



### V2 Array – The Next Evolution in Photonic Pain Therapy

The V2 Array is an advanced photonic platform designed for non-invasive pain management. It features an industry-first 32-chip laser array with 16 red (650 nm) and 16 near-infrared (810 nm) wavelengths firing simultaneously through Combo Coherence™, enabling deeper and more effective photobiomodulation across skin, muscles, and joints.

With three intelligent modes—Skin, Muscle, and Bone & Joint—the system automatically adjusts power and exposure for precise therapy. Its TTFL (Tissue Temperature Feedback Loop) ensures safe, controlled treatment. Ideal for conditions like sports injuries, osteoarthritis, frozen shoulder, neck pain, and arthritis, the V2 Array delivers targeted, efficient pain relief with cutting-edge photonic technology.

**“Advanced Photonic Technology for Non-Invasive Pain Relief”**

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## LASER EVENT OF THE MONTH



A key highlight of the workshop was the unveiling of NovoLase innovations—Smylaxis, presented by renowned orthodontist Dr. Jasmeet Singh Sodhi, and OralBlu Theranostics, introduced by OMDR specialist Dr. Sonia Sodhi. The course also featured sessions on Surgical Applications, Photobiomodulation, and Photodynamic therapy, along with advanced discussions on TMJ and neuralgias and other speciality demonstrations. During the hands-on component, participants were thrilled to witness the “Laser brilliance” firsthand and expressed strong enthusiasm to begin integrating laser dentistry into their routine clinical practice.

The Mastering Dental Lasers Workshop was successfully conducted at Chhatrapati Sambhajnagar (Aurangabad), by Dr. Neha Sodhi Khajuria and Dr. Jnanashree Bhat, bringing together clinicians and enthusiastic undergraduate participants for an engaging learning experience. The program covered Laser Fundamentals, Safety, Clinical Protocols, and practical applications across multiple dental specialities. Attendees received structured, evidence-based guidance on incorporating laser technology into daily practice, with emphasis on appropriate settings, case selection, and predictable clinical outcomes.

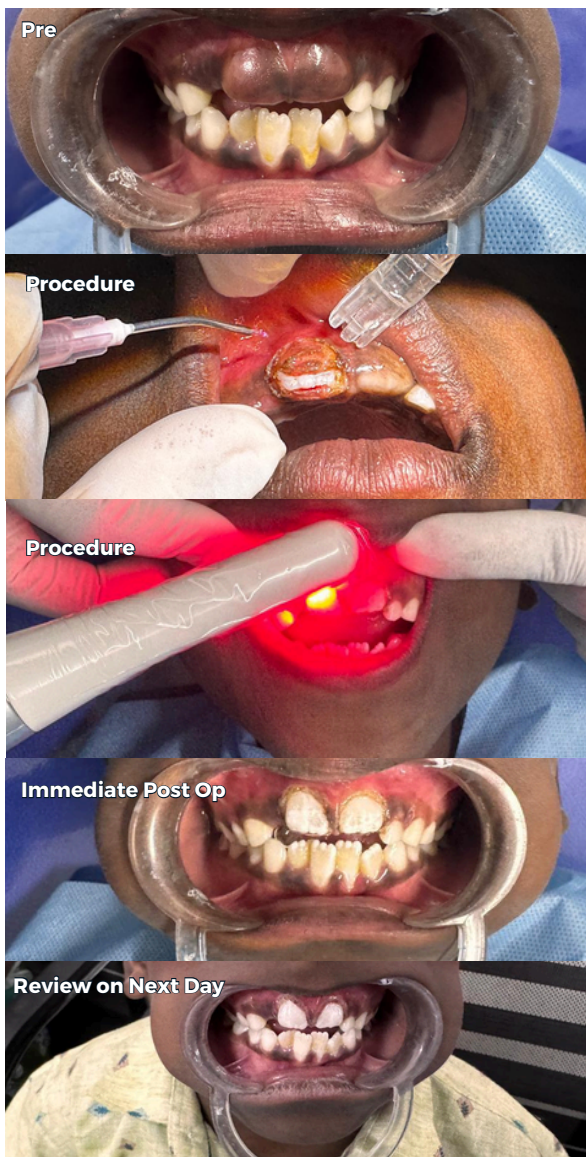


**“EMPOWERING CLINICIANS TO CONFIDENTLY INTEGRATE LASER TECHNOLOGY INTO EVERYDAY DENTAL PRACTICE.”**

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## LASER CASE OF THE MONTH



## Laser Success Story

A 9-year-old boy reported to our clinic with a complaint of unerupted upper front teeth for the past one and a half years.

Clinical examination revealed the presence of permanent maxillary central incisors with a pre-eruptive bulge on the labial aspect of 11 and 21. The findings were further confirmed with an intraoral periapical radiograph (IOPA) with respect to the same region.

A laser-assisted gingivectomy was planned to facilitate eruption. The exposure of the teeth was performed at a minimal setting of 1 W in continuous wave mode using a surgical tip. The procedure was painless, bloodless, and well-tolerated by the patient.

Post-operative photobiomodulation therapy was carried out using Combo-Coherence (100 mW, 640 nm + 100 mW, 810 nm) for 60 seconds to promote faster healing and reduce discomfort. The patient was scheduled for follow-up after a week.

**Laser-Assisted Gingivectomy : A Painless and Bloodless Procedure in Pediatric Patients for Eruption of Permanent Maxillary Central Incisors - Case at Jayalakshmi Dental Clinic, Hyderabad - by Dr. P. PARAMESWAR NAISHADHAM**