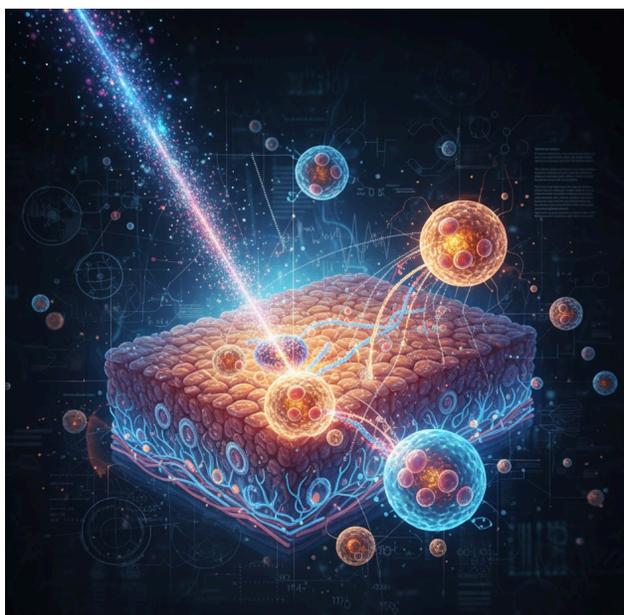


# THE LASER TIMES

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## HIGHLIGHTS

Dr. Sonia Bordin-Aykroyd delivered a comprehensive and engaging session on the role of lasers in biological repair and recovery. She began by revisiting the fundamentals of laser physics, providing a strong foundation for understanding how laser energy interacts with biological tissues. A brief overview of the history and evolution of lasers in dentistry gave the audience perspective on how far the technology has advanced and the potential it continues to hold.



## LASERS FOR HEALING AND RECOVERY



The session gradually moved into more advanced applications, where Dr. Sonia covered both photobiomodulation (PBM) and photodynamic therapy (PDT). She explained how these modalities differ in mechanism and clinical indications, yet both contribute significantly to enhanced healing and improved patient outcomes.

**“SHE SHOWCASED HOW PBM AND PDT ENHANCE HEALING, IMPROVING PATIENT OUTCOMES WITH PRECISION AND CARE”**

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## HIGHLIGHTS

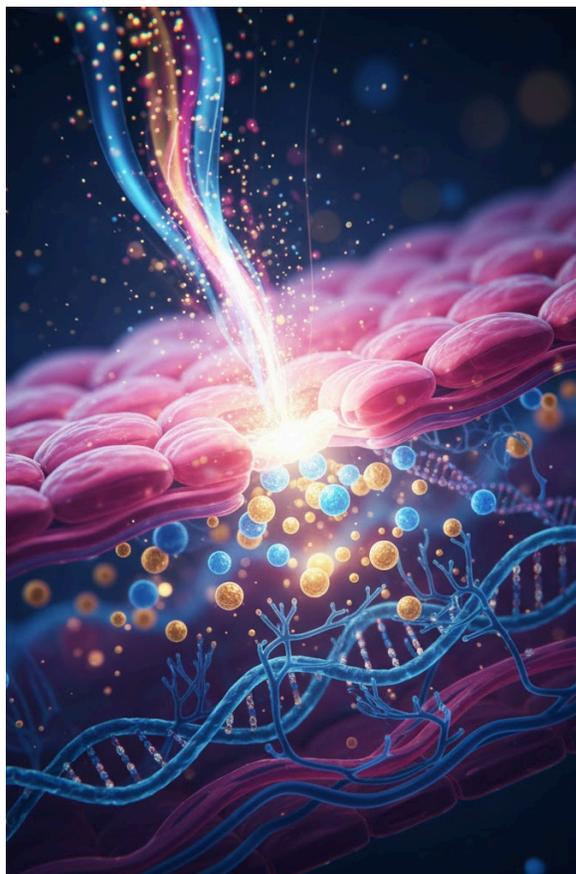
One of the highlights of her talk was the explanation of the role of different wavelengths and their selective applications in specific clinical scenarios.

She emphasized that wavelength selection dictates tissue interaction, penetration depth, and therapeutic outcome.

Dr. Sonia also shared clear clinical protocols for treating diverse lesions—from inflammation to soft-tissue repair—making the concepts practical for clinicians.

Acknowledging the significance of integrating multiple wavelengths, Dr. Sonia appreciated how Novolase Technologies employs its proprietary feature Combo Coherence, which enables the simultaneous activation of both wavelengths through a single control. This innovation effectively minimizes clinical time and operational complexity, enhancing efficiency and ease of use for practitioners.

## PRECISION WAVELENGTHS FOR TARGETED LASER THERAPY



**“HOW SELECTING AND COMBINING WAVELENGTHS CAN OPTIMIZE TISSUE INTERACTION, ACCELERATE HEALING”**

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## POTENTIAL OF DENTAL LASERS

Her presentation struck a balance between theoretical knowledge and clinical practicality. The clarity with which she connected basic science to real-world dentistry made the session extremely valuable for both new learners and experienced clinicians



## BRIDGING SCIENCE AND CLINICAL PRACTICE IN LASER DENTISTRY



Overall, the session was insightful, evidence-based, and inspiring—highlighting not just the current capabilities of dental lasers, but also their expanding role in biological repair and recovery.

**“THE SESSION WAS INSIGHTFUL AND INSPIRING, LINKING THEORY TO PRACTICE”**

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## LASER STAR OF THE MONTH



### Dr.Jnanashree Bhat

- **Lecturer , Department of Pediatric & Preventive Dentistry**  
Bapuji Dental College & Hospital, Davanagere.
- **Key Opinion Leader (KOL) & Product Application Specialist**  
Novolase Technologies, India.
- **Faculty - Asian Academy of Laser Therapy (AALT), Singapore**

## DR.JNANASHREE BHAT

Dr. Jnanashree Bhat is a dedicated clinician with three years of experience, passionately exploring the transformative potential of lasers in pediatric dentistry and their broader applications in patient care.

With equal years of expertise in laser dentistry, her primary focus is Photobiomodulation Therapy (PBM) – a field inspired by her mentor, Dr. Chandrashekar Yavagal, whose guidance continues to shape her practice.

Her go-to procedures, including Frenectomy and PBM, reflect a patient-centered approach, utilizing advanced Novo6 laser technology for precise and effective treatments.

Dr. Jnanashree envisions using laser science to aid patients recovering from post-chemo and radiotherapy side effects. She credits her growth to continuous learning, mentorship, and daily innovation, integrating cutting-edge science into compassionate dental care



**“FOR HER, LASERS REPRESENT NOT JUST TECHNOLOGY, BUT A LANGUAGE OF HEALING, PRECISION, AND COMPASSION IN MODERN DENTISTRY”**

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## LASER PRODUCT OF THE MONTH



### How 24K Gold Gel Works – The Science Behind the Smile & Shine

Novolase 24K Gold Gel is a peroxide-free, laser-activated whitening gel that blends luxury with science. Instead of harsh hydrogen peroxide, it uses PAP (Phthalimidoperoxycaproic Acid) – a gentle oxidizing agent that breaks down stain molecules through safe redox reactions. The result? A visibly whiter smile without enamel damage, sensitivity, or gum irritation. Infused with gold ions, photo-responsive chromophores, and sensitizers, the gel absorbs laser energy at precise wavelengths to boost whitening and ensure faster, even results.

This PAP + gold + laser synergy removes deep stains, polishes enamel, and promotes cellular rejuvenation – for a radiant, healthy glow.

## Luxury meets innovation in Novolase 24K Gold Gel

A clinically advanced, laser-activated formula that whitens deeply, protects enamel, and restores natural brilliance through the synergistic power of PAP and gold ions – delivering safe, peroxide-free whitening with visible luminosity, zero sensitivity, and a revitalized, radiant smile after every session.

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## LASER EVENT OF THE MONTH



Participants received international certification from AALT, marking the program as a resounding success that reinforced Novolase's commitment to advancing modern laser dentistry in India.

The Gold Class Laser Skill Lab, by Novolase Technologies in association with Kalyan Agencies, was a highlight of KEDDA Expodent Kerala 2025.

Led by Dr. Deepthi Cherian (MDS, Periodontics; Associate Fellow, AALT), the two-day workshop used an innovative 5-minute Tell-Show-Do format for hands-on learning.

Sessions covered Laser PDT, PBM therapy, hot tip applications, and laser-assisted whitening with 24K Gold Gel, blending evidence-based insights with live clinical demonstrations.



**GOLD CLASS LASER SKILL LAB SHINES AT KEDDA EXPODENT, KERALA 2025**