



4th Annual Meeting on
Cosmetic Dentistry & Orofacial Myology,

&

7th Annual Meeting on
Pedodontics and Geriatric Dentistry

June 10th, 2022

Joint Webinar

KEYNOTE FORUM

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Bone regeneration with photo bio modulation

Background:

Epidermolysis bullosa (EB) is a heterogeneous group of hereditary mechanobullous diseases which is characterized by varying degrees of skin and **mucosa fragility**. Chronic wounds are considered a major source of **morbidity** and mortality in severe cases. In this clinical trial for the first time, the safety and efficacy of photo bio modulation in the treatment of EB was assessed.

Methods:

Infra-red 904 nm laser and **placebo laser** were randomized on pair wounds, 1.8 J/cm² for 4 weeks was used every other day and then were changed to 3.6 J/ cm² twice a week for 4 weeks. In the open label phase, all wounds were treated using the Infra-red laser 3.6 J/ cm² for the margins and red laser, 1.8 J/ cm² for bed of the ulcers for 8 weeks. Follow up was up to 8 weeks.

Results:

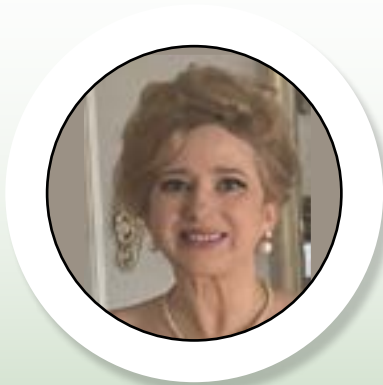
PBM reduced the wound size compared to the sham group during the blinded phase (P<0.001). PBM was also effective in decreasing pain (P<0.001) and pruritus (P=0.005). Quality of life also improved in terms of **psychosocial life** and functional aspects. EBDASI also decreased from 28 to 17 for activity and from 92 to 76 for damage.

Conclusion: Using PBM improved wound healing, pain, itch, quality of life and disease activity score in EB ulcers significantly.

Key words: Photo bio modulation, low-level laser therapy, wound healing, Epidermolysis bullosa.

Biography:

Her most recent degree is in Education. It comes from the University of New York, from the Academy of Distinguished Educators, in Excellence in Clinical Teaching. Her Ph.D. is earned in **Periodontology**, preceded by a Master of Science Degree awarded in Biophysics and Bio-Cellular Technology. She served on the Board of Editors of the International Phototherapy Association in Japan, and she is a Fellow of the Royal Society of Medicine. As a Clinical Assistant Professor to the Cariology and Comprehensive Care Department of the NYU. she has conducted clinical research trials, converting theoretical speculation into delivered, evidence-based periodontal treatment. She is serving now as the President of the European Medical Laser Association and as a Professor for PMS College in India, Kerala Thiruvananthapuram, where she put the basis of a Diploma Course in Laser. Her training in Cellular Technology and as well in Gene Therapy made her duty to study and investigate the COVID-19 crises. Tikkun, Olam.



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Received: March 03, 2022 ; Accepted: March 04, 2022 ; Published: June 10, 2022

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Intricacies of occlusion for full mouth rehabilitation with fixed prosthodontics

Abstract:

Patients requiring full mouth rehabilitation with **fixed prosthodontic** modalities pose a challenge to many dental specialties. The aim is to restore the existing natural dentition to its natural form, function and esthetics while maintaining the physiologic integrity in harmonious relationship with the adjacent hard and soft tissues so as to enhance the oral health and quality of life of the patient. This scientific presentation reviews the various **occlusal concepts**, philosophies, techniques and approaches to achieve long term clinical success in such patients. The same will be highlighted via patient cases restored with different types of **fixed prostheses**.

Key words:

Occlusion, Full mouth rehabilitation, Fixed prostheses

Biography:

Surg Capt Maninder Hundal, VSM is a Prosthodontist of established repute and is currently serving as the Executive Officer in the Indian Naval Dental Centre, Danteshwari at Mumbai which is a prestigious institute of the Indian Armed Forces. She has served the forces for 20 years now. She has been awarded with numerous awards by the Indian Army as well as the Indian Navy for her meritorious work in serving the organization in both field as well as peace establishments. She did her Bachelors in **Dental Surgery** from Govt Dental College, Amritsar, Punjab in 1997 with a gold medal and her Masters in **Prosthodontia** from Armed Forces Medical college, Pune, Mumbai university, India in the year 2001-2004. She is an avid National and International speaker with numerous scientific papers and publications to her credit. She is also an affiliate faculty for the post graduate residents of Prosthodontics at the Army Dental Centre; Referral & Research, New Delhi as well as the Armed Forces Medical College, Pune, India.



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Received: 21 May 2022 ; Accepted: 23 May 2022 ; Published: June 09 2022

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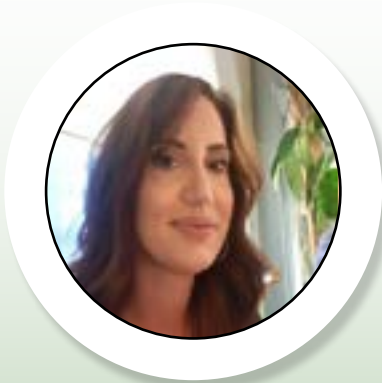
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Primary care research: the views of the whole dental team on their experiences of a primary care study

The need for more research to be undertaken in primary care settings has been outlined in the literature. There are a number of barriers to the undertaking of research in Primary Dental Care including recruitment, engagement with the process, and motivation of clinicians, funding, time restraints and a lack of logistical and academic expertise. This reflection aims to present the collective experiences of the dental team involved in the TRUCE (Treatment during Urgent dental Care in England) study which investigated urgent dental appointments in **primary care**. The role of GDPs (General Dental Practitioners) and DCPs (Dental Care Professionals) is explored. The DCPs in this study enjoyed their roles and were competent in that role. They relieved the clinicians of significant clinical and administrative burden. It is concluded that primary care research projects must be designed carefully to engage clinicians with appropriate funding and time protections, and with appropriate methodology to utilise the full skill set of the whole **dental team** including GDPs and DCPs.

Biography:

Reem AL Nashi Elia is a General Dental Practitioner based in the UK who advocates for research in primary care settings within dentistry. She has 19 years of experience in clinical practice. She has also worked as a clinical undergraduate tutor in the University of Leeds and as a clinical advisor to the General Dental Council.



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Received: January 29, 2022; Accepted: January 31, 2022; Published: June 10, 2022