

**BIOLUX RESEARCH ANNOUNCES SIGNIFICANT RESEARCH FINDINGS ON LIGHT ACCELERATED ORTHODONTICS AT IADR/AADR GENERAL SESSION 2013**



**VANCOUVER, B.C., CANADA – Mar. 20, 2013** – Biolux Research Ltd. is very pleased to announce that two sponsored research studies on important photobiomodulation results will be presented at the upcoming International Association of Dental Research / American Association of Dental Research General Session and Exhibition in Seattle Washington Mar 20 – 23, 2013. These presentations include clinical evaluation of both efficacy and safety of Biolux-patented Light Accelerated Orthodontics™ technology and devices.

The first presentation is Photobiomodulation for Orthodontic Tooth Movement. Authors are C.H. KAU, A. KANTARCI, T. SHAUGHNESSY, A. VACHIRAMON, P. SANTIWONG, A. DE LA FUENTE, D. SKRENES, D. MA, and P. BRAUN. This study was a multi-centre study including the University of Alabama at Birmingham, Mahidol University in Bangkok, Thailand, and private practices in North America. The research evaluated the effect of the novel photobiomodulation device on the rate of tooth movement during the alignment phase of orthodontic treatment with fixed appliances, and included upper and lower arches in 73 test subjects and 17 controls. The results, as measured by rate of change of Little's Irregularity Index over the course of the alignment phase, showed a statistically significant 2.3-fold increase in tooth movement in the patients treated with photobiomodulation.

The second presentation is Radiographic Analysis of Teeth after Photobiomodulation Therapy. Authors are J. SHELLY, C.H. KAU, R. CORONA, and G. NIMERI, School of Dentistry, Department of Orthodontics, University of Alabama at Birmingham, Birmingham, AL. This study evaluated whether the use of photobiomodulation in conjunction with fixed orthodontic appliances led to any significant change in root resorption, to address the concern that accelerating tooth movement with light treatment may lead to increased root resorption. 20 patients were evaluated with cone beam computer tomography before and after orthodontic treatment, and no statistically significant findings were noted for root length change at the end of treatment compared to the start of treatment, for either anterior or posterior teeth. Also, no clinically significant changes between root lengths were noted above 0.5 mm.

"We are very pleased to work with such great investigators in evaluation of our Light Accelerated Orthodontics™ technology and products, and are excited about the clinical research results presented at the IADR/AADR," states Dr. Peter Braun, founder and Chief Scientific Officer of Biolux Research Ltd. "The research is showing a very significant effect in terms of accelerating tooth movement without any significant safety issues that are normally associated accelerated orthodontic treatment. We feel strongly that LAO™ will be a revolutionary step forward in reducing orthodontic treatment timelines in a safe and non-invasive manner."

**About International Association of Dental Research**

The International Association for Dental Research (IADR), headquartered in Alexandria, Va. USA, is a nonprofit organization with more than 12,000 members worldwide. Its mission is : (1) to advance research and increase knowledge for the improvement of oral health worldwide; (2) to support and represent the oral health research community; and (3) to facilitate the communication and application for research findings.

**About Biolux Research**

Biolux Research Ltd. is a world leader in the development of innovative Light Accelerated Orthodontics™ technology and products for use in orthodontics, implantology, and other dentistry markets. Biolux focuses on product development and clinical research, and its proprietary, patent-pending technologies have been developed to enhance clinical outcomes and dramatically reduce treatment timelines in dentistry in a safe, effective and non-invasive approach. [www.bioluxresearch.com](http://www.bioluxresearch.com)

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