
**BIOLUX RESEARCH ANNOUNCES START OF KEY
CLINICAL TRIAL FOR LIGHT-ACCELERATED
ORTHODONTICS.**



VANCOUVER, B.C., CANADA – Mar. 4, 2011 – Biolux Research Ltd. is pleased to announce the start of a clinical trial at Mahidol University in Bangkok, Thailand, to evaluate the effects of our phototherapy technology on orthodontic tooth movement and treatment timelines.

The principal investigator for the study is Dr Peerapong Santiwong DDS, PhD (Dental Science), a distinguished researcher and lecturer in orthodontics. Also participating in the study is Dr. Amornpong Vachiramom DDS, DBA, MSc (Maxillofacial Surgery), MSc (Orthodontics), Grad.Dip.Clin.Sc. (Oral Surg), an internationally renowned lecturer and leader in developing new clinical orthodontic protocols and systems. Mahidol University has continuously strived for educational excellence, outstanding research, leadership in healthcare services, and global outlook. Mahidol University's particular strength lies in its research excellence, and its Department of Orthodontics is renowned for the quality of its research. Ethics approval has been granted for the study by the institution.

The central goal of the trial is to evaluate the efficacy of phototherapy on tooth movement over the course of two focused, shorter-term treatment phases that are typically included in a comprehensive orthodontic treatment with full braces. The first phase is *level and align*, where the anterior teeth are individually oriented prior to space closure or finishing. The second phase is *space closure* in order to close gaps as a result of extractions, which are performed to create sufficient room for the aligned teeth in the arch.

The trial will include 60 orthodontic patients treated with self-ligating brackets and wires plus phototherapy, and the patients will be followed over the course of one or both treatment phases. Measurements of gap width, tooth orientation, and tooth position will be made periodically by physical measurement, modeling, and imaging. The trial will be randomized and partially-blinded, and each treated patient will also provide control data from the untreated side of the split mouth protocol.

"We are excited to start working with Drs. Santiwong and Vachiramom and the team at Mahidol University in evaluating the effects of the our phototherapy devices on accelerating tooth movement and improving orthodontics," states Dr. Peter Brawn, founder of Biolux and inventor of the Light Accelerated Regeneration technology. "This study is expected to prove that our technology can be successfully applied to specific phases of the orthodontic treatment plan, and, based on our earlier animal and human feasibility studies, we anticipate both improved control for the orthodontists and reduced treatment timelines for the patients."

About Biolux Research

Biolux Research Ltd. is a world leader in the development of innovative Light Accelerated Regeneration 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

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