
**BIOLUX RESEARCH ANNOUNCES START OF
SIGNIFICANT SERIES OF CLINICAL TRIALS FOR
LIGHT-ACCELERATED ORTHODONTICS.**



VANCOUVER, B.C., CANADA – Aug. 19, 2011 – Biolux Research Ltd. is pleased to announce the start of a series of significant clinical trials to evaluate the effects of our proprietary Light Accelerated Orthodontics technology on the rates of orthodontic tooth movement plus related orthodontic issues.

The principal investigator for the study is Dr. Enis Guray at the Department of Orthodontics, Faculty of Dentistry, Erciyes University, Kayseri, Turkey. Dr. Guray and his team have been investigating the use of the Biolux light treatment, or photobiomodulation, technology in animal and human models for a range of orthodontic applications, and have published an article in the European Journal of Orthodontics, as previously reported.

The goal of the studies is to evaluate the effect of various OrthoPulse™ treatment protocols on orthodontic tooth movement and on orthodontic mini-implant stability. The studies are designed to investigate some of the challenges in orthodontics, notably long treatment timelines and temporary anchorage device stability. The studies have received ethics approval from Erciyes University.

The first study will focus on the effects of phototherapy on canine distalization, using a split-mouth study design where each patient provides their own control (e.g. bilateral extractions followed by one side treated with OrthoPulse™ device and the other side untreated control). Measurements of tooth position and movement will be taken periodically up to 90 days, and mini-screw stability will also be measured over time. The study will also investigate any changes in root tip morphology due to light accelerated tooth movement.

The second study will parallel the first but will instead focus on molar distalization. The third study will examine the effects of light treatment on the stabilization of unstable orthodontic mini-screws (temporary anchorage devices, or TADs). Failure rates of TADs is a significant issue in orthodontics, and reduction in failure rates and salvage of failing TADs could lead to improved orthodontic treatment for patients.

“We are very excited to continue our collaboration with Dr. Guray, and start this series of clinical studies,” states Dr. Peter Brawn, founder of Biolux and inventor of the Light Accelerated Regeneration technology. “These studies are expected to provide additional clinical evidence that our technology can be successfully applied to orthodontics, resulting in improved treatment for the patient and shorter treatment timelines.”

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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