

July 13, 2020



Landmark Head-to-Head Study Published in Journal of Periodontology Concludes That BIOLASE REPAIR® Perio Protocol is Superior for Procedure Time and Patient-Reported Outcomes

The McGuire Institute Study Compared Traditional Treatments for Periodontitis to BIOLASE REPAIR Perio Protocol

IRVINE, Calif., July 13, 2020 /PRNewswire/ -- [BIOLASE, Inc.](#) (NASDAQ: BIOL), the global leader in dental lasers, today announced data published in the [Journal of Periodontology](#) from a clinical trial conducted at [The McGuire Institute](#)™. Designed to meet the stringent American Association of Periodontology Best Evidence Consensus (BEC) standards, [this first-of-its-kind study compared BIOLASE's REPAIR® Perio protocol](#) to the traditional Minimally Invasive Surgical Technique (MIST) treatment of moderate to severe generalized periodontitis.



The study found that the REPAIR Perio protocol had shorter procedure times than open flap procedures, as well as less bruising, swelling, and post-operative bleeding, demonstrating that REPAIR is as effective as open flap procedures in clinical parameters, such as pocket depth and attachment level, but with significantly better patient-reported outcomes.

"With 65 million Americans suffering from periodontitis, the findings from this study are significant in determining the best course of treatment for these patients," said Todd Norbe, president and CEO of BIOLASE. "The study unequivocally confirms that patient-reported outcomes were significantly better after laser procedures. Using laser technology, periodontitis can now be treated – with less pain and greater patient acceptance – by both periodontists and general dentists alike. Studies continue to suggest that periodontal health is essential for overall health, as related to susceptibility to infection, including COVID-19 infections."

BIOLASE believes this landmark study is the first controlled, multi-centered, blinded study on lasers in managing moderate to severe periodontitis. 54 patients were enrolled at five different sites, with six experienced periodontists. It is also the only laser study in managing

periodontitis designed to meet the stringent American Association of Periodontology BEC standards. To view the study results, visit <https://aap.onlinelibrary.wiley.com/doi/abs/10.1002/JPER.20-0028>.

The REPAIR Perio protocol utilizes [Waterlase®](#) laser technology to provide safe, minimally invasive, effective laser treatment for periodontal disease. To learn more about the Waterlase® technology used in the study, visit www.biolase.com.

The McGuire Institute is a not-for-profit organization with a unique vision for advancing the practice of dentistry through clinically-relevant research.

About BIOLASE, Inc.

BIOLASE, Inc. is a medical device company that is a global market leader in the manufacturing and marketing of proprietary dental laser systems that enable dentists and dental specialists to perform a broad range of minimally invasive dental procedures, including cosmetic, restorative, and surgical applications. BIOLASE's laser systems are designed to provide clinically superior, patient-friendly results for many types of common dental procedures compared to those achieved with traditional instruments. BIOLASE has sold over 41,000 laser systems to date in over 80 countries around the world.

For updates and information on Waterlase iPlus®, Waterlase Express™, and laser dentistry, find BIOLASE online at www.biolase.com, Facebook at www.facebook.com/biolase, Twitter at www.twitter.com/biolaseinc, LinkedIn at www.linkedin.com/company/biolase, Instagram at www.instagram.com/waterlase_laserdentistry, and YouTube at www.youtube.com/biolasevideos.

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