

American Dental Association
Technical Report No. 110

Standard Procedures for the Assessment of Laser-induced Effects on Oral Hard and Soft Tissue

*A Technical Report prepared by the American Dental Association
and registered with ANSI.*

AMERICAN DENTAL ASSOCIATION TECHNICAL REPORT NO. 110 FOR STANDARD PROCEDURES FOR THE ASSESSMENT OF LASER-INDUCED EFFECTS ON ORAL HARD AND SOFT TISSUE

The Council on Scientific Affairs of the American Dental Association has approved American Dental Association Technical Report No. 110 for Standard Procedures for the Assessment of Laser-induced Effects on Oral Hard and Soft Tissue. This and other technical reports and specifications for dental materials, instruments and equipment are being formulated by working groups of the ADA Standards Committee on Dental Products (formerly Accredited Standards Committee MD156 for Dental Materials, Instruments and Equipment). The Committee has representation from all interests in the United States in the standardization of materials, instruments and equipment in dentistry. The ADA Standards Committee on Dental Products confirmed approval of ADA Technical Report No. 110 on May 29, 2008.

Publication of this technical report that has been registered with ANSI has been approved by the American Dental Association, 211 East Chicago Avenue, Chicago, IL 60611. This document is registered as a technical report according to the *Procedures for the Registration of Technical Reports with ANSI*. This document is not an American National Standard and the material contained herein is not normative in nature. Comments on the content of this document should be sent to the American Dental Association, 211 East Chicago Avenue, Chicago, IL 60611.

The Council thanks Douglas Dederich, Louisiana State University, New Orleans, LA for his efforts in developing this technical report.

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FOREWORD

(This Foreword is not part of ANSI/ADA Technical Report No. 110 for Standard Procedures for the Assessment of Laser-induced Effects on Oral Hard and Soft Tissue).

The objective of this technical report is to provide detailed guidelines and methodologies for evaluating the interactions of dental lasers with oral hard and soft tissues. These guidelines and methodologies would provide data of enough quality and quantity to reconstruct the actual damage and healing dynamics at all clinically significant locations within the laser-affected area of soft tissue.