Accepted Manuscript

Corneal elasticity after oxygen enriched high intensity corneal cross linking assessed using atomic force microscopy

Vasilios F. Diakonis, Nikita Y. Likht, Nilufer Yesilirmak, Desiree Delgado, Andreas E. Karatapanis, Yener Yesilirmak, Christopher Fraker, Sonia H. Yoo, Noël M. Ziebarth



PII: S0014-4835(16)30325-6

DOI: 10.1016/j.exer.2016.10.008

Reference: YEXER 7036

To appear in: Experimental Eye Research

Received Date: 23 March 2016

Revised Date: 30 September 2016

Accepted Date: 6 October 2016

Please cite this article as: Diakonis, V.F., Likht, N.Y., Yesilirmak, N., Delgado, D., Karatapanis, A.E., Yesilirmak, Y., Fraker, C., Yoo, S.H., Ziebarth, N.M., Corneal elasticity after oxygen enriched high intensity corneal cross linking assessed using atomic force microscopy, *Experimental Eye Research* (2016), doi: 10.1016/j.exer.2016.10.008.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Corneal Elasticity after Oxygen Enriched High Intensity Corneal Cross Linking Assessed Using Atomic Force Microscopy

Vasilios F. Diakonis, MD, PhD¹, Nikita Y. Likht, AA², Nilufer Yesilirmak, MD¹, Desiree Delgado, BS², Andreas E. Karatapanis, PhD³, Yener Yesilirmak, MSc¹, Christopher Fraker, PhD⁴, Sonia H. Yoo, MD¹, Noël M. Ziebarth, PhD⁵

¹Bascom Palmer Eye Institute, Miller School of Medicine, University of Miami, Florida, USA

²Florida Lions Eye Bank, Bascom Palmer Eye Institute, University of Miami, Florida, USA

³Pharmathen Pharmaceuticals, Athens, Greece

⁴Diabetes Research Institute, University of Miami Miller School of Medicine, Miami, Florida, USA

⁵Biomedical Atomic Force Microscopy Laboratory, Department of Biomedical Engineering, University of Miami College of Engineering, Miami, Florida, USA

Correspondence:

Noël Ziebarth, PhD Biomedical Atomic Force Microscopy Laboratory Department of Biomedical Engineering University of Miami College of Engineering 1251 Memorial Drive, MEA 219 Coral Gables, Florida, 33146, USA Email: nziebarth@miami.edu

Tel: +1 (305) 284-4520

The authors do not have any proprietary or financial interest in any of the devices presented.

Grant support

Dr. Diakonis received a scholarship (2014) from the Hellenic Society of Intraocular Implants and Refractive Surgery for fellowship training.

Download English Version:

https://daneshyari.com/en/article/5704082

Download Persian Version:

https://daneshyari.com/article/5704082

<u>Daneshyari.com</u>