### Accepted Manuscript

Title: A high crosslinking grade of hyaluronic acid found in a dermal filler causing adverse effects

Authors: Peter H.J. Keizers, Celine Vanhee, Eef M.W. van den Elzen, Wim H. de Jong, Bastiaan J. Venhuis, Hennie M. Hodemaekers, Paul Schwillens, Daan G.W. Lensen



PII:	\$0731-7085(18)31011-2
DOI:	https://doi.org/10.1016/j.jpba.2018.06.066
Reference:	PBA 12070
To appear in:	Journal of Pharmaceutical and Biomedical Analysis
Received date:	30-4-2018
Revised date:	29-6-2018
Accepted date:	30-6-2018

Please cite this article as: Keizers PHJ, Vanhee C, van den Elzen EMW, de Jong WH, Venhuis BJ, Hodemaekers HM, Schwillens P, Lensen DGW, A high crosslinking grade of hyaluronic acid found in a dermal filler causing adverse effects, *Journal of Pharmaceutical and Biomedical Analysis* (2018), https://doi.org/10.1016/j.jpba.2018.06.066

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

# A high crosslinking grade of hyaluronic acid found in a dermal filler causing adverse effects

Peter H. J. Keizers<sup>1\*</sup>, Celine Vanhee<sup>2</sup>, Eef M. W. van den Elzen<sup>1</sup>, Wim H. de Jong<sup>1</sup>, Bastiaan J. Venhuis<sup>1</sup>, Hennie M. Hodemaekers<sup>1</sup>, Paul Schwillens<sup>1</sup>, Daan G. W. Lensen<sup>1</sup>

<sup>1</sup>National Institute for Public Health and the Environment, P. O. Box 1, 3721 MA, Bilthoven, the Netherlands

<sup>2</sup>Division of Food, Medicines and Consumer Safety, Section Medicines and Healthcare Products, Scientific Institute of Public Health (WIV-ISP), Brussels, Belgium.

\*Corresponding author. Tel.: +31 302742587. E-mail address: peter.keizers@rivm.nl

#### Graphical Abstract





Download English Version:

## https://daneshyari.com/en/article/7625829

Download Persian Version:

https://daneshyari.com/article/7625829

Daneshyari.com