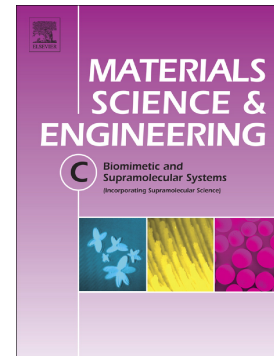


Accepted Manuscript

Ultrasonicated graphene oxide enhances bone and skin wound regeneration

Kamal Hany Hussein, Hani Nasser Abdelhamid, Xiaodong Zou, Heung-Myong Woo



PII: S0928-4931(18)30346-1
DOI: doi:[10.1016/j.msec.2018.09.051](https://doi.org/10.1016/j.msec.2018.09.051)
Reference: MSC 8914
To appear in: *Materials Science & Engineering C*
Received date: 2 February 2018
Revised date: 28 July 2018
Accepted date: 18 September 2018

Please cite this article as: Kamal Hany Hussein, Hani Nasser Abdelhamid, Xiaodong Zou, Heung-Myong Woo , Ultrasonicated graphene oxide enhances bone and skin wound regeneration. Msc (2018), doi:[10.1016/j.msec.2018.09.051](https://doi.org/10.1016/j.msec.2018.09.051)

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.

Ultrasonicated graphene oxide enhances bone and skin wound regeneration

Kamal Hany Hussein^{1§}, Hani Nasser Abdelhamid^{2,3§*}, Xiaodong Zou^{2*}, Heung-Myong
Woo^{4,5*}

¹ Department of Animal Surgery, Faculty of Veterinary Medicine, Assuit University, Assuit,
Egypt

² Department of Materials and Environmental Chemistry, Stockholm University, Stockholm,
SE-10691, Sweden

³ Department of Chemistry, Faculty of Science, Assuit University, Assuit, Egypt

⁴ Stem Cell Institute, Kangwon National University, Chuncheon, Gangwon 200-701, Republic
of Korea

⁵ College of Veterinary Medicine, Kangwon National University, Chuncheon, Gangwon 200-
701, Republic of Korea

* Correspondence may be addressed to: H. N. Abdelhamid. Tel: +46736571486, Fax: +46
8152187, E-mail: hany.abdelhameed@science.au.edu.eg; chemist.hani@yahoo.com; X. Zou,
E-mail: xzou@mmk.su.se; Tel: +468162389; Fax: +46 8152187, and H.-M. Woo, Tel:
+82332508651/8981, Fax: +82332442367, E-mail: woohm@kangwon.ac.kr

§ These authors should be considered co-first authors and made equal contributions to the
study

Download English Version:

<https://daneshyari.com/en/article/11026834>

Download Persian Version:

<https://daneshyari.com/article/11026834>

[Daneshyari.com](https://daneshyari.com)