Accepted Manuscript

3D-printed biphasic calcium phosphate scaffolds coated with an oxygen generating system for enhancing engineered tissue survival



Maria Touri, Fathollah Moztarzadeh, Noor Azuan Abu Osman, Mohammad Mehdi Dehghan, Masoud Mozafari

PII:	S0928-4931(17)31741-1
DOI:	doi:10.1016/j.msec.2017.11.037
Reference:	MSC 8336
To appear in:	Materials Science & Engineering C
Received date:	21 May 2017
Revised date:	20 October 2017
Accepted date:	27 November 2017

Please cite this article as: Maria Touri, Fathollah Moztarzadeh, Noor Azuan Abu Osman, Mohammad Mehdi Dehghan, Masoud Mozafari , 3D–printed biphasic calcium phosphate scaffolds coated with an oxygen generating system for enhancing engineered tissue survival. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Msc(2017), doi:10.1016/j.msec.2017.11.037

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

3D-printed biphasic calcium phosphate scaffolds coated with an oxygen

generating system for enhancing engineered tissue survival

Maria Touri ^{1,2}, Fathollah Moztarzadeh ^{1,*}, Noor Azuan Abu Osman ², Mohammad Mehdi

Dehghan³, Masoud Mozafari^{4,5,6,7}

¹ Biomaterial Group, Faculty of Biomedical Engineering (Center of Excellence), Amirkabir

University of Technology, Tehran, Iran

² Department of Biomedical Engineering, Faculty of Engineering, University of Malaya, Kuala

Lumpur, Malaysia

³ Department of Surgery and Radiology, Faculty of Veterinary Medicine, University of Tehran,

Tehran, Iran

⁴ Nanotechnology and Advanced Materials Department, Materials and Energy Research Center

(MERC), Tehran, Iran

⁵ Cellular and Molecular Research Center, Iran University of Medical Sciences, Tehran, Iran

⁶ Department of Tissue Engineering & Regenerative Medicine, Faculty of Advanced Technologies

in Medicine, Iran University of Medical Sciences, Tehran, Iran

Download English Version:

https://daneshyari.com/en/article/7866722

Download Persian Version:

https://daneshyari.com/article/7866722

Daneshyari.com