Accepted Manuscript

Combining Autologous Bone Marrow Mononuclear Cells seeded on Collagen sponge with Nano Hydroxyapatite, and Platelet-rich Fibrin: Reporting a Novel Strategy for Alveolar Cleft Bone Regeneration

Hatem Hussien El-Ahmady, DDS, Ahmad Farouk Abd Elazeem, M.S, Nermeen Elmoataz Bellah Ahmed, DDS, Wael Mahmoud Shawkat, DDS, Mohamed Elmasry, M.S, Mostafa Ahmed Abdelrahman, DDS, Mohsena Ahmed Abderazik, M.S

PII: S1010-5182(18)30355-X

DOI: 10.1016/j.jcms.2018.05.049

Reference: YJCMS 3019

To appear in: Journal of Cranio-Maxillo-Facial Surgery

Received Date: 15 December 2017

Revised Date: 3 May 2018

Accepted Date: 25 May 2018

Please cite this article as: El-Ahmady HH, Abd Elazeem AF, Bellah Ahmed NE-m, Shawkat WM, Elmasry M, Abdelrahman MA, Abderazik MA, Combining Autologous Bone Marrow Mononuclear Cells seeded on Collagen sponge with Nano Hydroxyapatite, and Platelet-rich Fibrin: Reporting a Novel Strategy for Alveolar Cleft Bone Regeneration, *Journal of Cranio-Maxillofacial Surgery* (2018), doi: 10.1016/j.jcms.2018.05.049.

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.



Combining Autologous Bone Marrow Mononuclear Cells seeded on Collagen sponge with Nano Hydroxyapatite, and Platelet-rich Fibrin: Reporting a Novel Strategy for Alveolar Cleft Bone Regeneration

Hatem Hussien El-Ahmady, DDS¹, Ahmad Farouk Abd Elazeem, M.S^{1,2,3}, Nermeen El-moataz Bellah Ahmed, DDS^{2,3}, Wael Mahmoud Shawkat, DDS⁴, Mohamed Elmasry, M.S⁵, Mostafa Ahmed Abdelrahman, DDS², Mohsena Ahmed Abderazik, M.S¹.

¹Al-Azhar Cleft Lip and Palate Treatment Center, Faculty of Dental Medicine for Girls, Al-

Azhar university, 1 Al Mokhaym Al Daem, Cairo, Egypt. (Head: Prof. Dr. Hatem Hussien El-Ahmady)

²Department of Oro-dental Genetics, Center of Medical Excellence, National Research Center,

33 El Buhouth St., Dokki, Cairo, Egypt. (Head: Prof. Dr. Ashraf Shaalan).

³Stem Cell Laboratory, Centre of Excellence for Advanced Sciences, National Research Center,

33 El Buhouth St., Dokki, Cairo, Egypt (Head: Prof. Dr. Ashraf Shaalan).

⁴Nasr City Hospital, 23 Youssef Abbas St. Off El Tayaran St., Nasr city, Cairo, Egypt. (Head: Dr. Wael Mahmoud Shawkat)

⁵Ganzouri Specialized Hospital, 63 Tomanbay St., Tahra Sq., Roxy, Heliopolis, Cairo, Egypt. (Head: Prof. Dr. Ibrahim el Ganzouri)

Address correspondence and reprint requests to Dr. Nermeen E.B Ahmed: National Research Center, 33 El Buhouth St., Dokki, Cairo, Egypt postal code:12622, Tel:(+202) 33371362, Fax: (+202) 33370931, Email: <u>nermeenkandel@gmail.com</u>

Grants: This research did not receive any specific grant from funding agencies in the public, commercial, or not-for-profit sectors.

Download English Version:

https://daneshyari.com/en/article/8963597

Download Persian Version:

https://daneshyari.com/article/8963597

Daneshyari.com