

Accepted Manuscript

Title: An allograft generated from adult stem cells and their secreted products efficiently fuses vertebrae in immune compromised athymic rats and inhibits local immune responses.

Author: Bret H. Clough, Eoin P. McNeill, Daniel Palmer, Ulf Krause, Thomas J. Bartosh, Christopher D. Chaput, Carl A. Gregory



PII: S1529-9430(16)31015-4
DOI: <http://dx.doi.org/doi: 10.1016/j.spinee.2016.10.009>
Reference: SPINEE 57180

To appear in: *The Spine Journal*

Received date: 23-12-2015
Revised date: 21-9-2016
Accepted date: 12-10-2016

Please cite this article as: Bret H. Clough, Eoin P. McNeill, Daniel Palmer, Ulf Krause, Thomas J. Bartosh, Christopher D. Chaput, Carl A. Gregory, An allograft generated from adult stem cells and their secreted products efficiently fuses vertebrae in immune compromised athymic rats and inhibits local immune responses., *The Spine Journal* (2016), <http://dx.doi.org/doi: 10.1016/j.spinee.2016.10.009>.

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.

1 **An allograft generated from adult stem cells and their secreted products**
2 **efficiently fuses vertebrae in immune compromised athymic rats and**
3 **inhibits local immune responses.**

4

5

6 **Authors: Bret H. Clough¹, Eoin P. McNeill¹, Daniel Palmer¹, Ulf Krause^{2,3}, Thomas**
7 **J. Bartosh¹, Christopher D. Chaput², Carl A. Gregory^{1*}.**

8 ¹ Institute for Regenerative Medicine at Scott and White Hospital, Texas A&M Health Science Center,
9 Module C, 5701 Airport Road, Temple, TX 76502

10 ² Department of Orthopedic Surgery, Baylor Scott and White Hospital, Texas A&M Health Science
11 Center, 2401 S. 31st Street, Temple, TX 76508

12 ³ Institute for Transfusion Medicine and Transplant Immunology, University Hospital Muenster, 11
13 Domagkstr, Muenster 48149, Germany.

14 *To whom correspondence should be addressed. Email: cgregory@medicine.tamhsc.edu

15

16

17 **Acknowledgements:**

18 This work was funded by a Research Grant from the North American Spine Society (CAG), The Scott &
19 White Research Grants Program (CAG), The Texas Engineering Experiment Station Strategic Initiative
20 (CAG), NIH R01 AR066033 from NIAMS (CAG), NIH 2P40 RR017447 (DJP).

21

22

23

24

25

26

27

28

29

30

Download English Version:

<https://daneshyari.com/en/article/5712994>

Download Persian Version:

<https://daneshyari.com/article/5712994>

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