

# Accepted Manuscript

Title: Mesenchymal progenitor cells primed with pentosan polysulfate promote lumbar intervertebral disc regeneration in an ovine model of microdiscectomy

Author: Chris D. Daly, Peter Ghosh, Andrew C.W. Zannettino, Tanya Badal, Ronald Shimmmon, Graham Jenkin, David Oehme, Kanika Jain, Idrees Sher, Angela Vais, Camilla Cohen, Ronil V. Chandra, Tony Goldschlager



PII: S1529-9430(17)31059-8  
DOI: <https://doi.org/doi:10.1016/j.spinee.2017.10.008>  
Reference: SPINEE 57516

To appear in: *The Spine Journal*

Received date: 29-7-2017  
Revised date: 12-9-2017  
Accepted date: 5-10-2017

Please cite this article as: Chris D. Daly, Peter Ghosh, Andrew C.W. Zannettino, Tanya Badal, Ronald Shimmmon, Graham Jenkin, David Oehme, Kanika Jain, Idrees Sher, Angela Vais, Camilla Cohen, Ronil V. Chandra, Tony Goldschlager, Mesenchymal progenitor cells primed with pentosan polysulfate promote lumbar intervertebral disc regeneration in an ovine model of microdiscectomy, *The Spine Journal* (2017), <https://doi.org/doi:10.1016/j.spinee.2017.10.008>.

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.

**Mesenchymal progenitor cells primed with Pentosan Polysulfate promote lumbar  
intervertebral disc regeneration in an ovine model of microdiscectomy**

Chris D. Daly, MBBS, MPhil<sup>1, 2, 3\*</sup>, Peter Ghosh, DSc, PhD, FRSC, FRACI, CSc<sup>3,4</sup>, Andrew C.W. Zannettino PhD<sup>5, 6</sup>, Tanya Badal, MSc<sup>7</sup>, Ronald Shimmon PhD<sup>7</sup>, Graham Jenkin, PhD<sup>3, 8</sup>, David Oehme MBBS, PhD, FRACS.<sup>9</sup>, Kanika Jain, PhD, MBiomedSc, MBiotech, BBiotech<sup>3</sup>, Idrees Sher, BAppSc, BMedSc, MBBS<sup>1, 2</sup>, Angela Vais, BSc<sup>10</sup>, Camilla Cohen BAppSc<sup>10</sup>, Ronil V. Chandra, MBBS, FRANZCR<sup>1, 11</sup>, Tony Goldschlager, MBBS, PhD, FRACS<sup>1, 2, 3</sup>

<sup>1</sup> Department of Surgery, Monash University, Clayton, Victoria 3168, Australia

<sup>2</sup>Department of Neurosurgery, Monash Medical Centre, Clayton, Victoria 3168, Australia

<sup>3</sup> The Ritchie Centre, Hudson Institute of Medical Research, Monash University, Clayton, Victoria, 3168, Australia

<sup>4</sup>Proteobioactives Pty Ltd, PO Box 174, Balgowlah, New South Wales 2093, Australia

<sup>5</sup>Myeloma Research Laboratory, Adelaide Medical School, Faculty of Health and Medical Sciences, University of Adelaide, Adelaide South Australia, 5000, Australia

<sup>6</sup>Cancer Theme, South Australia Health and Medical Research Institute (SAHMRI), Adelaide South Australia, 5000, Australia

<sup>7</sup>Chemical Technology Unit, Faculty of Science, University of Technology, Sydney, New South Wales 2007, Australia

<sup>8</sup>Department of Obstetrics and Gynaecology, Monash University, Clayton, Victoria 3168, Australia

<sup>9</sup>Department of Neurosurgery, St Vincent's Hospital, Fitzroy, Victoria 3065, Australia

<sup>10</sup>Monash Histology Platform, Monash University, Clayton, Victoria, 3168 Australia

Download English Version:

<https://daneshyari.com/en/article/8804533>

Download Persian Version:

<https://daneshyari.com/article/8804533>

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