Accepted Manuscript

Associations between the chemokine biomarker CCL2 and knee osteoarthritis outcomes: The Johnston County Osteoarthritis Project

Lara Longobardi, Joanne M. Jordan, Xiaoyan A. Shi, Jordan B. Renner, Todd A. Schwartz, Amanda E. Nelson, David A. Barrow, Virginia B. Kraus, Anna Spagnoli

Osteoarthritis and Cartilage

Owner

Flore OR

Stand Cartilage

Owner

Flore OR

Stand OR

Stand

PII: \$1063-4584(18)31216-0

DOI: 10.1016/j.joca.2018.04.012

Reference: YJOCA 4222

To appear in: Osteoarthritis and Cartilage

Received Date: 12 July 2017
Revised Date: 16 April 2018
Accepted Date: 20 April 2018

Please cite this article as: Longobardi L, Jordan JM, Shi XA, Renner JB, Schwartz TA, Nelson AE, Barrow DA, Kraus VB, Spagnoli A, Associations between the chemokine biomarker CCL2 and knee osteoarthritis outcomes: The Johnston County Osteoarthritis Project, *Osteoarthritis and Cartilage* (2018), doi: 10.1016/j.joca.2018.04.012.

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

Associations between the chemokine biomarker CCL2 and knee osteoarthritis outcomes: The Johnston County Osteoarthritis Project

Lara Longobardi¹, Joanne M. Jordan¹, Xiaoyan A. Shi¹, Jordan B. Renner², Todd A. Schwartz^{1,3}, Amanda E. Nelson¹, David A. Barrow⁴, Virginia B. Kraus⁵, and Anna Spagnoli⁶

Address all correspondence and requests for reprints to:

Lara Longobardi, PhD, Division of Rheumatology, Allergy and Immunology, University of North Carolina at Chapel Hill, 3300 Thurston Bowles Bldg, Campus Box 7280, Chapel Hill, NC 27599

Phone: (919) 962-5051 Fax: (919) 966-1739

e-mail: lara_longobardi@med.unc.edu

E-mail addresses: lara_longobardi@med.unc.edu (L. Longobardi); joanne_jordan@med.unc.edu (J.M. Jordan); xyshi@email.unc.edu (X.A. Shi); jordan_renner@med.unc.edu (J.B. Renner); tschwart@email.unc.edu (T.A. Schwartz); amanda_nelson@med.unc.edu (A.E. Nelson); David_Barrow@unc.edu (D.A. Barrow); vbk@duke.edu (V.B. Kraus); Anna_Spagnoli@rush.edu (A. Spagnoli).

Running Title: serum CCL2 levels and knee OA

¹Division of Rheumatology, Allergy and Immunology and the Thurston Arthritis Research Center, University of North Carolina-Chapel Hill, NC

²Department of Radiology, University of North Carolina-Chapel Hill, NC

³Department of Biostatistics, Gillings School of Global Public Health, University of North Carolina-Chapel Hill, NC

⁴School of Dentistry, University of North Carolina-Chapel Hill, NC

⁵Duke Molecular Physiology Institute and Division of Rheumatology, Department of Medicine, Duke *University School of Medicine*, *Durham*, *NC*

⁶Department of Pediatrics, Rush University Medical Center, Chicago, IL.

Download English Version:

https://daneshyari.com/en/article/8741537

Download Persian Version:

https://daneshyari.com/article/8741537

<u>Daneshyari.com</u>