Accepted Manuscript

Low Magnesium Intake is Associated With Increased Knee Pain in Subjects with Radiographic Knee Osteoarthritis: Data From the Osteoarthritis Initiative

Dr. Anna Shmagel, MD MSc, Assistant Professor, Dr. Naoko Onizuka, MD PhD MPH, Dr. Lisa Langsetmo, PhD, Tien Vo, MS, Dr. Robert Foley, MD, Associate Professor, Dr. Kristine Ensrud, MD MPH, Dr. Peter Valen, MD

PII: S1063-4584(18)30102-X

DOI: 10.1016/j.joca.2018.02.002

Reference: YJOCA 4168

To appear in: Osteoarthritis and Cartilage

Received Date: 2 August 2017

Revised Date: 4 February 2018

Accepted Date: 7 February 2018

Please cite this article as: Shmagel A, Onizuka N, Langsetmo L, Vo T, Foley R, Ensrud K, Valen P, Low Magnesium Intake is Associated With Increased Knee Pain in Subjects with Radiographic Knee Osteoarthritis: Data From the Osteoarthritis Initiative, *Osteoarthritis and Cartilage* (2018), doi: 10.1016/j.joca.2018.02.002.

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.



Title: Low Magnesium Intake is Associated With Increased Knee Pain in Subjects with Radiographic Knee Osteoarthritis: Data From the Osteoarthritis Initiative

Authors: Anna Shmagel MD MSc, Naoko Onizuka MD PhD MPH, Lisa Langsetmo PhD, Tien Vo MS, Robert Foley MD, Kristine Ensrud MD MPH, Peter Valen MD.

Author affiliations:

Dr. Anna Shmagel is the corresponding author, and an Assistant Professor of Medicine in the Division of Rheumatic and Autoimmune Diseases at the University of Minnesota.

Division of Rheumatic and Autoimmune Diseases 420 Delaware Street SE, MMC 108 Minneapolis, MN 55455 Tel: (612) 626-2758 Fax: (612) 624-0600 e-mail: shmag002@umn.edu

Dr. Naoko Onizuka is an internal medicine resident at the University of Minnesota.

Tien Vo is a biostatistician in the Department of Epidemiology and Community Health, School of Public Health, University of Minnesota.

Dr. Lisa Langsetmo is a Core Investigator at the Minneapolis VA Center for Chronic Disease Outcomes Research, and an Associate Professor of Medicine in the Department of Epidemiology and Community Health, School of Public Health, University of Minnesota.

Dr. Robert Foley is an Associate Professor of Medicine at the University of Minnesota, in the Division of Renal Diseases and Hypertension.

Dr. Kristine Ensrud is a Professor of Medicine and Epidemiology and Community Health at the University of Minnesota, and a Core Investigator at the Minneapolis VA Center for Chronic Disease Outcomes Research.

Dr. Peter Valen is an Associate Professor of Medicine in the Division of Rheumatic and Autoimmune Diseases at the University of Minnesota, and a rheumatologist at the Minneapolis VA Medical Center.

Drs. Ensrud, and Valen are VA employees. This material is the result of work supported with resources and the use of facilities at the Minneapolis VA. The contents do not represent the views of the U.S. Department of Veterans Affairs or the United States Government.

Word count: 3524 Tables: 2 Figures: 3 Download English Version:

https://daneshyari.com/en/article/8741623

Download Persian Version:

https://daneshyari.com/article/8741623

Daneshyari.com