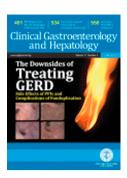
Accepted Manuscript

Short Sleep Duration is Associated with Abnormal Serum Aminotransferase Activities and Nonalcoholic Fatty Liver Disease

Donghee Kim, MD, PhD, Hwa Jung Kim, MD, PhD, Clete A. Kushida, MD, PhD, Nae-Yun Heo, MD, PhD, Aijaz Ahmed, MD, W. Ray Kim, MD



PII: S1542-3565(17)31057-1 DOI: 10.1016/j.cgh.2017.08.049

Reference: YJCGH 55429

To appear in: Clinical Gastroenterology and Hepatology

Accepted Date: 29 August 2017

Please cite this article as: Kim D, Kim HJ, Kushida CA, Heo N-Y, Ahmed A, Kim WR, Short Sleep Duration is Associated with Abnormal Serum Aminotransferase Activities and Nonalcoholic Fatty Liver Disease, *Clinical Gastroenterology and Hepatology* (2017), doi: 10.1016/j.cgh.2017.08.049.

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.

CCEPTED MANUSCRIP

1

Short Sleep Duration is Associated with Abnormal Serum Aminotransferase Activities and

Nonalcoholic Fatty Liver Disease

Donghee Kim, MD, PhD¹, Hwa Jung Kim, MD, PhD², Clete A Kushida, MD, PhD³, Nae-Yun Heo,

MD, PhD¹, Aijaz Ahmed, MD¹, W. Ray Kim, MD¹

¹Division of Gastroenterology and Hepatology, Stanford University School of Medicine, Stanford,

CA United States

²Department of Preventive Medicine, Ulsan University College of Medicine, Seoul, South Korea

³Division of Sleep Medicine, Stanford Hospital and Clinics, Redwood City, CA, United States

DK and HJK contributed equally to this work.

Short Title: Association of Sleep Deprivation with NAFLD

Correspondence:

W. Ray Kim, MD Division of Gastroenterology and Hepatology Stanford University School of Medicine 300 Pasteur Drive Stanford, California 94304 Telephone: 650-725-6511

Fax: 650-723-5488.

E-mail: wrkim@stanford.edu

Download English Version:

https://daneshyari.com/en/article/8725092

Download Persian Version:

https://daneshyari.com/article/8725092

<u>Daneshyari.com</u>