### **Accepted Manuscript**

Influence of Increased Posterior Tibial Slope in Total Knee Arthroplasty on Knee Joint Biomechanics: A Computational Simulation Study

Kyoung-Tak Kang, PhD, Yong-Gon Koh, MD, Juhyun Son, MS, Oh-Ryong Kwon, MD, Jun-Sang Lee, MD, Sae-Kwang Kwon, MD

PII: S0883-5403(17)30827-6

DOI: 10.1016/j.arth.2017.09.025

Reference: YARTH 56101

To appear in: The Journal of Arthroplasty

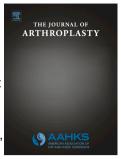
Received Date: 21 June 2017

Revised Date: 28 August 2017

Accepted Date: 14 September 2017

Please cite this article as: Kang K-T, Koh Y-G, Son J, Kwon O-R, Lee J-S, Kwon S-K, Influence of Increased Posterior Tibial Slope in Total Knee Arthroplasty on Knee Joint Biomechanics: A Computational Simulation Study, *The Journal of Arthroplasty* (2017), doi: 10.1016/j.arth.2017.09.025.

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

# Influence of Increased Posterior Tibial Slope in Total Knee Arthroplasty on Knee Joint Biomechanics: A Computational Simulation Study

Kyoung-Tak Kang, PhD<sup>a,†</sup>, Yong-Gon Koh, MD<sup>b,†</sup>, Juhyun Son, MS<sup>a</sup>,
Oh-Ryong Kwon, MD<sup>b</sup>, Jun-Sang Lee, MD<sup>b</sup>, Sae-Kwang Kwon, MD<sup>b,\*</sup>

<sup>a</sup>Department of Mechanical Engineering, Yonsei University, 50 Yonsei-ro, Seodaemun-gu, Seoul, 03722, Republic of Korea

<sup>b</sup>Joint Reconstruction Center, Department of Orthopaedic Surgery, Yonsei Sarang Hospital, 10 Hyoryeong-ro, Seocho-gu, Seoul, 06698, Republic of Korea

<sup>†</sup>Kyoung-Tak Kang and Yong-Gon Koh contributed equally to this work and should be considered co-first authors.

\*Address correspondence and reprint requests to:

Sae-Kwang Kwon, M.D.

Joint Reconstruction Center, Department of Orthopaedic Surgery, Yonsei Sarang Hospital

10 Hyoryeong-ro, Seocho-gu, Seoul, 06698, Republic of Korea

Phone: +82-2-2023-5541, Fax: +82-2-2023-5597, E-mail: osskkwon@gmail.com

### Download English Version:

## https://daneshyari.com/en/article/8799599

Download Persian Version:

https://daneshyari.com/article/8799599

<u>Daneshyari.com</u>