Title: Influence of distance between the rotation axis of back support and the hip joint on shear force

applied to buttocks in a reclining wheelchair's back support

 $\textbf{Authors:} \ \text{Kenichi Kobara, RPT, PhD}^{1)*}, \text{Hiroshi Osaka, RPT, MS}^{1,2)}, \text{Tomotaka Ito, RPT, MS}^{1,2)}$

Daisuke Fujita, RPT, MA¹⁾, Susumu Watanabe, RPT, PhD¹⁾

1) Department of Rehabilitation, Faculty of Health Science and Technology, Kawasaki University of Medical

Welfare, 288 Matsushima, Kurashiki, Okayama 701-0193, Japan

2) Doctoral Program, Graduate School of Health Sciences, Hiroshima University, 2-3 Kasumi 1-chome, Minami-ku,

Hiroshima 734-8551, Japan

*Correspondence to: K. Kobara

Tel: +81 86462 1111. Fax: +81 86464 1109. E-mail: rptkob@mw.kawasaki-m.ac.jp

Running title: Influence of sitting position on shear force