

เอกสารอ้างอิง

1. สำนักนิเทศ สำนักงานปลัดกระทรวงสาธารณสุข, 2549, **ข่าวเพื่อสื่อมวลชน สำนักงานสารนิเทศ และประชาสัมพันธ์กระทรวงสาธารณสุข** [Online], Available : http://www.moph.go.th/ops/iprg/module.php?mod=news_print&idHot_new=1355. [2013, June 15].
2. กรมอนามัย กระทรวงสาธารณสุข, 2556, **ข่าวประชาสัมพันธ์ส่วนกลาง** [Online], Available : http://www.anamai.moph.go.th/ewt_news.php?nid=5325&filename=index [2013, June 17].
3. Baliunas, A.J., Hurwitz, D.E., Ryals, A.B., Karrart A., Case, J.P., Block, J.A. and Andriacchi, T.P., 2002, "Increase Knee Joint Loads during Walking are Present in Subjects with Knee Osteoarthritis", **Osteoarthritis and Cartilage**, Vol. 10, No. 7, pp. 573-579.
4. สำนักพัฒนาวิชาการแพทย์ กรมการแพทย์ กระทรวงสาธารณสุข, 2548, **แนวทางเวชปฏิบัติการวินิจฉัยและรักษาโรคข้อเข่าเสื่อม**, ชุมชนสหกรณ์การเกษตรแห่งประเทศไทย จำกัด, นนทบุรี, หน้า 6-11.
5. Perry, J., 1992, **Gait Analysis Normal and Pathological Function**, SLACK Incorporated, New Jersey, pp. 3-16, 351-353, 357-375, 381-382, 413-416, 431-432, 443-445.
6. Whittle, M.W., 2007, **Gait Analysis an Introduction**, 4th ed., Elsevier Limited, Pennsylvania, pp. 1-5, 47-54, 137-175.
7. Peterson, D.R. and Bronzino, J.D., 2008, **Biomechanics Principle and Applications in Analysis of Gait**, CRC Taylor & Francis Group, London, pp. 5.1-5.3.
8. Beck, T.W., Housh, T.J., Johnson, G.O., Cramer, J.T., Weir, J.P., Coburn, J.W. and Malek, M.H., 2006, "Electromyographic Instantaneous Amplitude and Instantaneous Mean Power Frequency Patterns Across a Range of Motion During a Concentric Isokinetic Muscle Action of the Biceps Brachii", **Journal of Electromyography and Kinesiology**, Vol. 16, pp. 531-539.

9. Mow, V.C. and Huiskes, R. (Eds.), 2005, **Basic Orthopaedic Biomechanics and Mechanobiology**, 3rd ed., Lippincott William & Wilkins, Pennsylvania, pp. 105-110.
10. Hunt, M.A., Birmingham, T.B., Griffin, J.R. and Jenkyn, T.R., 2006, "Associations among Knee Adduction Moment, Frontal Plane Ground Reaction Force, and Lever Arm during Walking in Patients with Knee Osteoarthritis", **Journal of Biomechanics**, Vol. 39, pp. 2213-2220.
11. Howell, L.L., 2001, **Compliant Mechanisms**, John Wiley & Sons, Inc., New York, pp. 1-59, 135-217.
12. Morichika, T., Kikkawa, F., Oyama, O. and Yoshimitsu, T., 2007, "Develop of Walking Assist Equipment with Pneumatic Cylinder", **SICE Annual Conference 2007**, 17-20 September 2007, Kagawa University, Japan, pp. 1058-1063.
13. Van den Noort, J.C., Van der Esch, M., Steultjens, M.P.M., Dekker, J., Schepers, H.M., Veltink, P.H. and Harlaar, J., 2012, "The Knee Adduction Moment Measured with an Instrumented force Shoe in Patients with Knee Osteoarthritis", **Journal of Biomechanics**, Vol. 45, No. 2, pp. 281-288.
14. Foroughi, N., Smith, R. and Vanwanseele, B., 2009, "The Association of External Knee Adduction Moment with Biomechanical Variables in Osteoarthritis: A Systematic Review, **The Knee**, Vol. 16, pp. 303-309.
15. Jenkyn, T.R., Erhart, J.C. and Andriacchi, T.P., 2011, "An Analysis of the Mechanisms for Reducing the Knee Adduction Moment during Walking Using a Variable Stiffness Shoe in Subjects with Knee Osteoarthritis", **Journal of Biomechanics**, Vol. 44, pp. 1271-1276.
16. Kerrigan, D.C., Lelas, J.L., Goggins, J., Merriman, G.J., Kaplan, R.J. and Felson, D.T., 2002, "Effectiveness of a Lateral-Wedge Insole on Knee Varus Torque in Patients with Knee Osteoarthritis", **Archives of Physical Medicine and Rehabilitation**, Vol. 83, pp. 889-893.

17. Kakihana, W., Akai, M., Nakazawa, K., Takashima, T., Naito, K. and Torii, S., 2005, "Effects of Laterally Wedged Insoles on Knee and Subtalar Joint Moments", **Archives of Physical Medicine and Rehabilitation**, Vol. 86, pp. 1465-1471.
18. Shimada, S., Kobayashi, S., Wada, M., Uchida, K., Sasaki, S., Kawahara, H., Yayama, T., Kitade, I., Kamei, K., Kubota, M. and Baba, H., 2006, "Effects of Disease Severity on Response to Lateral Wedged Shoe Insole for Medial Compartment Knee Osteoarthritis", **Archives of Physical Medicine and Rehabilitation**, Vol. 87, pp. 1436-1441.
19. Hinman, R.S., Bowles, K.A., Metcalf, B.B., Wrigley, T.V. and Bennell, K.L., 2012, "Lateral Wedge Insoles for Medial Osteoarthritis: Effects on Lower Limb Frontal Plane Biomechanics", **Clinical Biomechanics**, Vol. 27, pp. 27-33.
20. Russell, E.M. and Hamill, J., 2011, "Lateral Wedges Decrease Biomechanical Risk Factors for Knee Osteoarthritis in Obese Woman", **Journal of Biomechanics**, Vol. 44, pp. 2286-2291.
21. Abdallah, A.A. and Radwan, A.Y., 2011, "Biomechanical Changes Accompanying Unilateral and Bilateral Use of Laterally Wedged Insoles with Medial Arch Supports in Patients with Knee Osteoarthritis", **Clinical Biomechanics**, Vol. 26, pp. 783-789.
22. Barrios, J.A., Crossley, K.M. and Davis, I.S., 2010, "Gait Retraining to Reduce the Knee Adduction Moment through Real-time visual Feedback of Dynamic Knee Alignment", **Journal of Biomechanics**, Vol. 43, pp. 2208-2213.
23. Shull, P.B., Shultz, R., Silder, A., Dragoo, J.L., Besier, T.F., Cutkosky, M.R. and Delp, S.L., 2013, "Toe-in Gait Reduces the First Peak Knee Adduction Moment on Patients with Medial Compartment Knee Osteoarthritis", **Journal of Biomechanics**, Vol. 46, pp. 122-128.
24. Lifemodeler, 2010, **Marker Placement Protocols** [Online], Available : http://www.lifemodeler.com/LM_Manual/A_motion.shtml [2012, August 8]

25. Lifemodeler, 2010, **Clinical Application – Gait Analysis** [Online], Available :
http://www.lifemodeler.com/LM_Manual/A_motion.shtml [2012, August 8]
26. Lifemodeler, 2010, **Clinical Application – Walking** [Online], Available :
http://www.lifemodeler.com/LM_Manual/T_walk.shtml [2011, December 19]
27. MatWeb, L.L.C., 2012, **Overview of Materials for Polylactic Acid (PLA) Biopolymer**
[Online], Available : <http://www.matweb.com/Search/MaterialGroupSearch.aspx?GroupID=1171>
[2013, May 30].