

## REFERENCES

- Anonim. 2018. Pain Management. Retrieved on June 8, 2019, from: <https://www.webmd.com/pain-management/knee-pain/picture-of-the-knee#1>.
- Arnadottir, S.A. and Mereer, V.S. 2000. Effects of Footwear on Measurements of Balance and Gait in Women Between the Ages of 65 and 93 Years. *Physical Therapy*. Vol.80. 17-27.
- Beardsley, C. 2018. Biomechanics. Retrieved on June 17, 2019, from: <https://www.strengthandconditioningresearch.com/biomechanics/biomechanics-definitions/>.
- Blackwood, Yuen T.J., Sangeorzan B.J., and Ledoux WR. 2005. The midtarsal joint locking mechanism. *Journal of Foot Ankle Int* Vol. 12 (1074-1080).
- Branthwaite, H. and Chockalingam, N. 2019. Everyday Footwear: An overview of what we know and what we should know on ill-fitting footwear and associated pain and pathology. *The Foot Journal*, Vol. 39 (11-14).
- Brace Ability. 2018. What Does L4-L5 Spondylolisthesis Mean? <http://braceability.com/blogs/articles/l4-l5-pars-defect/> (Online accessed: June 10<sup>th</sup>, 2019)
- Burnfield, J.M., Few, C.D., Mohamed, O.S., and Perry, J. 2004. The Influence of Walking Speed and Footwear on Plantar Pressures in Older Adults. *Journal of Clinical Biomechanics*. Vol. 19. 78-84.
- Cavanagh, P. R. and Rodgers, M.M. 1987. The Arch Index: A Useful Measure from Footprint. *Journal of Biomechanics*, Vol. 20. 547-551.
- DeWitt, D. 2013. The L4-L5 Spinal Segment. <http://www.spine-health.com/conditions/spine-anatomy/all-about-l4-l5-spinal-segment/> (Online accessed: June 17<sup>th</sup>, 2019)
- Goonetilleke, R. S. and Luximon, A. 1999. Foot Flare and Foot Axis. *Journal of Human Factor*. Vol 41. 596-607.
- Hignett, S. and McAtamney, L. 2000. Rapid Entire Body Assessment (REBA). *Journal of Applied Ergonomics*. Vol. 31. 201-205.
- Horgan, N.F., Crehan, F., Barlett, E. 2009. The Effects of Usual Footwear on Balance Amongst Elderly Women Attending a Day Hospital. *Journal of Age and Ageing*. Vol. 38. 62-67.
- International Rice Research Institute. Manual Transplanting. <http://www.knowledgebank.irri.org/training/facts-sheets/crop-establishment/manual-transplanting/> (Online accessed: February 9<sup>th</sup>, 2019)

Isixsigma. Normality Test. <https://www.isixsigma.com/dictionary/normality-test/>  
(Online accessed: March 14<sup>th</sup>, 2019)

Jastrzebowski, W.B. 1857. An Outline of Ergonomics, or the Science of Work Based upon the Truths Drawn from the Science of Nature. Part I. Nature and Industry. Vol. 29. 227–231.

Juntaracena, K., Neubert, M.S., and Puntumetakul, R. 2018. Effects of muddy terrain on lower extremity muscle activity and discomfort during the rice planting process. *International Journal of Industrial Ergonomics*. 66.

Kakihana, W., Akai M., Nakazawa M., 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, Issue 7 (1465-1471).

Karukunchit, U., Swangnetr M, Puntumetakul R., Eungpinichpong W., and Emasithi, A. 2014. Prevalence of lower extremity malalignment in rice farmers. The 5th International Conference on Applied Human Factors and Ergonomics. 2014. Krakow, Poland.

Karwowski, W. 1991. Complexity, Fuzziness and Ergonomic Incompatibility Issues in the Control of Dynamic Work Environments. *Ergonomics*. Vol. 34. No. 6, pp. 671–686.

Karwowski, W. 2001. *International Encyclopedia of Ergonomics and Human Factors*. Taylor & Francis. London.

Keawduangdee, P., Puntumetakul, R., Swangnetr, M., Laohasiriwong, W., Settheetham, D., Yamauchi, J., Boucaut, R. 2016. Prevalence of low back pain and associated factors among farmers during the rice transplanting process.

KenHub. 2018. Lower Extremity Anatomy. <https://www.kenhub.com/en/library/anatomy/lower-extremity-anatomy/>  
(Online accessed: June 17<sup>th</sup>, 2019)

Khisner, S. 2017. Hip Joint Anatomy. <http://emedicine.medscape.com/article/1898964-overview/>  
(Online accessed: June 17<sup>th</sup>, 2019)

Koepsell, T.D., Wolf, M.E., Buchner, D.M. 2004. Footwear Style and Risk of Falls in Older Adults. *Journal of the American Geriatrics Society*. Vol. 52. 1495-1501.

Kumar, S. 1994. A conceptual model of safety and risk of injury in occupational settings. *Journal of Human Factors*. Vol. 36: 197–209.

Kumar, S. 2001. Theories of musculoskeletal injury causation. *Journal of Ergonomics*. Vol. 44: 17–47.

- Marras W.S. 2000. Occupational low back disorder causation and control. *Journal of Ergonomics*. Vol. 43: 880–902.
- Menz, H.B., Morris, M. E., and Lord, S.R. 2006. Footwear Characteristics and Risk of Indoor and Outdoor Falls in Older People. *Journal of Gerontology*. Vol. 52. 174-180.
- Middlesworth, M. 2019. The Definition and Causes of Musculoskeletal Disorders. <http://ergo-plus.com/musculoskeletal-disorders-msd/> (Online accessed: May 8<sup>th</sup>, 2019)
- Mokkamul P. 2006. Ethnobotanical study of rice growing process in northeastern Thailand. *Journal of Ethnobotany Res Appl*. Vol. 4:213–222.
- Nagdeve, M. Ten Incredible Benefits of Rice. <http://www.organicfacts.net/health-benefits/cereal/health-benefits-of-rice.html/> (Online accessed: June 18<sup>th</sup>, 2019)
- Ozgu, H. O. 2005. A Research on Footwear and Foot Interaction through Anatomy and Human Engineering. Master Thesis. Izmir Institute of Technology. Turkey.
- Pengseesang, S. 2009. Ergonomic problems and risk factors of farmers in Sriwichai Subdistrict Wanon Niwat District of Sakon Nakhon Province. Unpublished master's thesis, Chiang Mai University, Chiang Mai, Thailand.
- Pheasant, S. 2003. *Bodyspace: Anthropometry, Ergonomics, and the Design of Work*. Taylor&Francis. London.
- Physio Pedia. 2019. Biomechanical Assessment of Foot and Ankle. [http://www.physio-pedia.com/Biomechanical\\_Assessment\\_of\\_Foot\\_and\\_Ankle/](http://www.physio-pedia.com/Biomechanical_Assessment_of_Foot_and_Ankle/) (Online accessed: February 7<sup>th</sup>, 2019)
- Radwin R.G, Marras W.S, and Lavender S.A. 2001. Biomechanical aspects of work-related musculoskeletal disorders. *Theor Issues Ergon Sci*. Vol. 2: 153–217.
- Resende, R.A., Larissa S.P., Pinheiro, and Juliana M.O. 2019. Effects of foot pronation on the lower limb sagittal plane biomechanics during gait. *Journal of Gait and Posture*, Vol. 68 (130-135).
- Resende, R.A., Kevin J.D., Renata N.K., Elizabeth A.H., and Sergio T.F. 2015. Increased unilateral foot pronation affects lower limbs and pelvic biomechanics during walking. *Journal of Gait and Posture*, Vol. 41, Issue 2 (395-401).
- Salvendy, G. 2012. *Handbook of Human Factors and Ergonomics*. Fourth Edition. John Wiley & Sons, Inc., New Jersey.
- Shier, R. 2004. Paired T-Tests. Mathematics Learning Support Centre. United Kingdom.

- Slide Player. 2019. CSB Gait Standard. <https://www.google.com/amp/s/slideplayer.com/amp/4311075/> (Online accessed: February 14<sup>th</sup>, 2019)
- Staheli L., Chew D., Corbett M. 1987. The Longitudinal Arch. Journal of Bone and Joint Surgery. 71-78.
- Swangnetr, M., Namkorn, P., Phimphasak, C., Saenlee, K., Kaber, D., Buranruk, O., Puntumetakul, R. 2012. Ergonomic analysis of rice field plowing. The 4th International Conference on Applied Human Factors and Ergonomics. San Francisco.
- Swangnetr, M., Kaber, D., Puntumetakul, R., Gross M.T. 2014. Ergonomics-related risk identification and pain analysis for farmers involved in rice field preparation. Work. Vol. 49(1):63–71
- Thai Rice Exporters Association. Rice Export Data. [http://www.thairiceexporters.or.th/statistic\\_2019.html/](http://www.thairiceexporters.or.th/statistic_2019.html/) (Online accessed: March 14<sup>th</sup>, 2019)
- University of Michigan. 2019. 3D Static Strength Prediction Program. <https://c4e.engin.umich.edu/tools-services/3dsspp-software/3dsspp-features/> (Online accessed: May 8<sup>th</sup>, 2019)
- Uto, Y., Maeda T., Kiyama R., and Kawada M. 2015. The effects of a lateral wedge insole on knee and ankle joints during slope walking. Journal of Applied Biomechanics, Vol. 31, Issue 6.
- Walden, M. 2019. Balanced and Unbalanced Forces. <http://www.teachpe.com/biomechanics/forces/balanced-unbalanced-forces/> (Online accessed: June 10<sup>th</sup>, 2019)
- Whitney, S.L. and Wrisley, D.M. 2004. The Influence of outwear on Timed Balance Scores of the Modified Clinical Test of Sensory Interaction and Balance. Archives of Physical Medicine and Rehabilitation. Vol. 85. 439-443.
- World's Top Exports. <http://www.worldstopexports.com/rice-exports-country/> (Online accessed: March 14<sup>th</sup>, 2019)