



Rungchai Chaunchaiyakul

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Academic Position: Associate Professor

CURRICULUM VITAE

EDUCATION

Ph.D. in Exercise Physiology

-Department of Biomedical Science, University of Wollongong, Australia.

M.Sc. (Physiology)-Department of Physiology, Faculty of Science, Mahidol university, Thailand.

B.Sc. (Physical Therapy)-School of Physical Therapy, Faculty of Medicine at Siriraj hospital, Mahidol university, Thailand.

TEACHING EXPERIENCE

Mahidol university

Chulalongkorn university

Khonkaen university

Srinakarinwirot university

Thammasat university

Walailuk university

University of Taipei, Taiwan (Visiting lecturer)

TRAINING

-Human Thermoregulatory Research: University of Wollongong, Australia (2004)

-Biomedical Instrument: Purdue University Indiana (2000)

-Chest Physical Therapy: New York University (1983)

-Spinal Orthosis: New York University (1983)

-Lower Limb Prosthesis: New York University (1983)

PROFESSIONAL AFFILIATION

-Deputy Chairman, The Sports Science Society of Thailand (1994- 2017)

-Chief Academic Consultant, Rehabilitation Center, Bangkok hospital (1993- up until now)

-Secretary, Thai without Big Belly (Thai Health Foundation, 1999- 2010)

-Manager, Exercise is medicine Thailand (ACSM, 2013- 2017)

-President Elected (Asian Nutrition Society for Sports and Health, 2018-)

-Academic consultant for The Sports Authority of Thailand (2008-- up until now)

-Manager, Sports Science Professional Standard Committee, Thailand Professional Quality Institute (2014- up until now)

PUBLICATIONS

- 3.1 Amornpan Ajjimaporn, Rungchai Chaunchaiyakul and Metta Pintong. Acute Physiological Responses in Pregnant Women during Exercises in different positions. *Physiotherapy Theory and Practice*. (accepted August 2017).
- 3.2 Sothida Nantakool, Rungchai Chaunchaiyakul, Metta Pintong and Saiphon Kongkum. Effects of sports drink on repeated performance in healthy Thai males after glycogen depletion. *Journal of Sports Science and Technology*. (accepted March 2017).
- 3.3 Wei-Hsiang Chang, Ying-Lan Tsai, Chih-Yang Huang, City C. Hsieh, Rungchai Chaunchaiyakul, Yu Fang, Shin-Da Lee and Chia-Hua Kuo. Null effect of ginsenoside Rb1 on improving glycemic status in men during a resistance training recovery. *Journal of the International Society of Sports Nutrition* (2015) 12:34.
- 3.4 Pichitpol Kerdsonnuk, Weerawat Limroongreungrat, and Rungchai Chaunchaiyakul. Ground Reaction Force And Loading Rate During Sepaktakraw Spike Landings. *Journal of Sports Science and Technology*. 15(1), 2015; 1-8.

- 3.5 Kanchana Taothong, Thyon Chentanez, Metta Pinthong, Suwadee Chaunchaiyakul, and Rungchai Chaunchaiyakul. Sports Bra Might Possibly Affect Cardiovascular Function In Active Women. *c* 15(1), 2015; 99-108.
- 3.6 Athitiya Fugsuwan, Metta Pinthong, Waree Widjaja, and Rungchai Chaunchaiyakul. Effects Of Palms Cooling On The Thermoregulatory Responses In Male Tennis Players. *Journal of Sports Science and Technology*. 15(1), 2015; 79-89.
- 3.4 Thanachai Sahaschot, Thyon Chentanez, Metta Pinthong, Suwadee Chaunchaiyakul and Rungchai Chaunchaiyakul. Does Sports Bra Limit Metabolic Profiles During Constant Speed Running?. *Journal of Sports Science and Technology*. 15(1), 2015; 109-120.
- 3.5 Watesinee Khuangsirikul, Wattana Jalayondeja, Rungchai Chaunchaiyakul, Rungroj Krittayaphong, Chunhakasem Chotinaiwattarakul, Pansak Laksanabongsong Metabolic Equivalent of Exercise Stress Test Explained by Six-minute Walk Test in Post Coronary Artery Bypass Graft and Post Percutaneous Coronary Intervention Patients. *Journal of The Medical Association of Thailand* Vol.97, Suppl.7, July 2014, ps6-s9.
- 3.6 Kriyot Sudsard, Kallaya Kijboonchoo, Visith Chavasit, Rungchai Chaunchaiyakul, Amanda Qing Xia Nio, Jason Kai Wei Lee. Lactose-free milk Prolonged Endurance Capacity in Lactose Intolerant Asian Males. *Journal of the International Society of Sports Nutrition*. 2014, 11:49.
- 3.7 Amornpan Ajjimaporn, Charintip Somprasit, and Rungchai Chaunchaiyakul. A Cross-sectional Study of Resting Cardiorespiratory and Metabolic Changes in Pregnant Women. *J. Phys. Ther. Sci*. 26(5), 2014.
- 3.8 Rungchai Chaunchaiyakul, Saiphon Kongkhum, Suwadee Chaunchaiyakul, and Jirawat Paramathakornkul. Effect of Intake of different Water Temperature on Thermoregulatory Responses during Sauna Exposure. *Adaptive Medicine*. 6(2), 2014.
- 3.9 Orawan Ponggeon, Rungchai Chaunchaiyakul, Kriengsak Vareesangthip, Dusit Lumlertgul, Sumalee Namuk, Wattana Jalayondeja. Home-Based Walking Program Increases Leg Muscle Strength in Hemodialysis Patients. *J. Phys. Ther. Sci*. 23(2), 2011.
- 3.10 Kelly-Ann Bowles, Julie Steele, and Rungchai Chaunchaiyakul. Do current sports brassiere designs impede respiratory function? *Med.Sci.Sports Exerc*. 37(9):1633-1640, 2005.
- 3.11 R.Chaunchaiyakul, H.Groeller, J.R.Clarke, and N.A.S.Taylor. The impact of ageing and habitual physical activity on static respiratory work at rest and during exercise. *Am.J.Physiol. : Lung Cell Molec.Physiol*. 287:L1098-1106, 2004.
- 3.12 Ajjimaporn, A., Chentanez, T., Songcharoen, P., Chaunchaiyakul, R., and Cherdrungsi, P. Adaptations of psychomotor parameters with and without weight training for 8 weeks period in below right elbow amputees. *Bull. Health Sci. & Tech*. 5(1):45-65, 2002.
- 3.13 Ajjimaporn, A., Chentanez, T., Songcharoen, P., Cherdrungsi, P., and Chaunchaiyakul, R. Anthropometric and strength adaptations of limb segments after seven to fourteen months below elbow and below knee amputations. *Bull. Health Sci. & Tech*. 5(1):65-75, 2002.
- 3.14 A.Aramsri, T.Chentanez., and R.Chaunchaiyakul. Different warm up intensities on explosive performance in elite swimmers. *The 31st Annual Meeting of Thai Physiological Soc*. 81, 2001.
- 3.15 K.Kitboonchoo, K., C. Khongsakpornchai., R. Chaunchaiyakul., W. Thassanasuwan, and T.Chentanez. Creatine supplementation in elite Thai swimmers. *The 17th Intern.Congress of Nutrition*. August 27-31, 2001.
- 3.16 R.Chaunchaiyakul, A.Wongsatapornpat, S.Chaunchaiyakul, P.Kaimuk, and T.Chentanez. Release of Muscle Enzyme and Onset of Muscle Soreness after Concentric and Eccentric Contractions Induced by Bench/step Exercise in Sedentary Subjects. *Bull. Health Sci & Tech*. 2(2):113-123.

- 3.17 R.Chaunchaiyakul, H.Groeller, J.R.Clarke, and N.A.S.Taylor. Ageing and dynamic work of breathing at rest and during exercise. *Proc. Aust.Physiol. Pharm. Soc.* 30(2): 49P, 1999.
- 3.18 T.Chentanez, and R.Chaunchaiyakul, Neurological Responses and Muscle Strength with Surface Integrated Electromyogram in Chronic Arsenic Intoxicated Patients. *Bull. Health Sci & Tech.* 2(2):103-111, 1999.
- 3.19 R.Chaunchaiyakul, H.Groeller, J.R.Clarke, and N.A.S.Taylor. Elastic work of breathing: the impact of human ageing on the lung and chest wall. *Proc. Aust. Physiol. Pharm. Soc.* 29(2): 285P, 1998.
- 3.20 R.G.Moses, M.J.Patterson, R.Chaunchaiyakul, N.A.S.Taylor, and A.B.Jenkins. A non-linear effect of ambient temperature on apparent glucose tolerance. *Diabetes Research and Clinical Practice* 36:35-40, 1997.
- 3.21 R.Chaunchaiyakul, W.Pongsupat, P.Kaimuk, and S.Chaunchaiyakul. Effects of aerobic exercise training on exercise tolerance in asthmatic children. *Thai J. Sports Sci.* 3(1):41-46, 1994.
- 3.22 T.Chentanez, T.Glinsukon, R.Chaunchaiyakul, R. Thaneniratsai, and V.Chentanez. Chronic effects of thinner inhalation on the finger tapping and counting speed. *Thai.J.Toxicol.* 3:22-30, 1987.

GRANTS

- The Sports Authority of Thailand: Physical Enhancing Program for Thai National Boxers for Sydney Olympic (1998)
- The Sports Authority of Thailand: Creatine Supplements in Thai National Swimmers for Sydney Olympic (1998)
- The Sports Science Society of Thailand: Effects of exhaustive Exercise on Lung Compliance in Rats (2000)
- National Research Council of Thailand: Effects of Garlic on Exhaustive Exercise Induces Free Radicals (2004)
- The Supreme Patriarch Center on Ageing: Six weeks Aquatic exercise training in Obese Subjects with Osteoarthritic Knees (2005).
- The Supreme Patriarch Center on Ageing: Holistic health care on physical performance of osteoarthritis elderly (2008).
- Thai Health Foundation: Effective Anti-obese Campaign and Strategies in Bangkok Metropolitan (2009)
- Sports Authority of Thailand: Body Heat Reduction during Simulated Competition using Rapid Thermo-Reduction on recovery performance in Taekwondo Athletes (2010).
- Sports Authority of Thailand (Regional 2): Physiologic changes during hypoxic training in soccer players (2012-2013)