



ARIHHP SCHOLARLY ACTIVITIES 2023

- ◆ Research Articles: 133
- ◆ Books: 7
- ◆ Awards: 6

A. *Kokoro* Division

Research Articles

Rei Amemiya. Impact of COVID-19 on Athletes' Daily Lives and Athletic Activities based on Their Individual Characteristics. *International Journal of Sport and Health Science*, 2023.

Rei Amemiya Relationship between ADHD tendencies toward injury experience and psychological distress among University athletes. *Journal of Health Psychology Research*, 35, 121-132, 2023.

Takahashi G, Sakairi Y, Amemiya R, Katsumata M, Huang S, Rakwal R. Japanese yoga bridging from past to future: Yoga research, education, health considerations and future directions for Japan, *Journal of Yoga and Physiotherapy*, 2023.

Hiraga T, Hata T, Soya S, Shimoda R, Takahashi K, Soya M, Inoue K, Johansen J P, Okamoto M, *Soya H Light-exercise-induced dopaminergic and noradrenergic stimulation in the dorsal hippocampus: using a rat physiological exercise model. *bioRxiv*, 2023.

Matsuura Y, Kokubu M, Sakairi Y. Improvement of the ability to recover balance through versatile kinesthetic learning experiences *Frontiers in Sports and Active Living*, 4, 975304, 2023-2.

Fukuie T, Suwabe K, Kawase S, Shimizu T, Ochi G, Kuwamizu R, Sakairi Y, *Soya H. Groove rhythm enhances exercise impact on prefrontal cortex function in groove enjoyers. *Neuroscience*, 531, 117-129, 2023.

Chroboczek M, Kujach S, Łuszczuk M, Soya H, Laskowski R Exercise-Induced Elevated

BDNF Concentration Seems to Prevent Cognitive Impairment after Acute Exposure to Moderate Normobaric Hypoxia among Young Men. *Int. J. Environ. Res. Public Health* 20(4), 3629, 2023-2.

Yamazaki Y, Suwabe K, Nagano-Saito A, Matsushita A, Saotome K, Kumamizu R, Hiraga T, Torma F, Suzuki K, Sankai Y, Yassa MA, Soya H. A Possible contribution of locus coeruleus to arousal enhancement by mild exerciseEvidence from pupillometry and neuromelanin imaging. *Cerebral Cortex Communications*, 4(2), tgad01, 2023.

Kuwamizu R, Yamazaki Y, Aoike N, Hiraga T, Hata T, Yassa MA, *Soya H. Pupil dynamics during very light exercise predict benefits to prefrontal cognition. *Neuroimage*, 277, 120244, 2023.

Zou L, Herold F, Ludyga S, Kamijo K, Müller NG, Pontifex MB, Heath M, Kuwamizu R, Soya H, Hillman CH, Ando S, Alderman BL, Cheval B, Kramer AF, Look into my eyes: What can eye-based measures tell us about the relationship between physical activity and cognitive performance? *Journal of Sport and Health Science*, 12(5), 568-591, 2023.

McGreevy KM, Radak Z, Torma F, Jokai M, Lu AT, Belsky DW, Binder A, Marioni RE, Ferrucci L, Pośpiech E, Branicki W, Ossowski A, Sitek A, Spónicka M, Raffield LM, Reiner AP, Cox S, Kobor M, Corcoran DL, Horvath S. DNAmFitAge: biological age indicator incorporating physical fitness. *Aging* (Albany NY), 15, 2023.

Aczel D, Torma F, Jokai M, McGreevy K, Boros A, Seki Y, Boldogh I, Horvath S, Radak Z, The Circulating Level of Klotho Is Not Dependent upon Physical Fitness and Age-Associated Methylation Increases at the Promoter Region of the Klotho Genes, 14(2), 525, 2023.

Jokai M, Torma F, McGreevy KM, Koltai E, Bori Z, Babszki G, Bakonyi P, Gombos Z, Gyorgy B, Aczel D, Toth L, Osvath P, Fridvalszky M, Teglas T, Posa A, Kujach S, Olek R, Kawamura T, Seki Y, Suzuki K, Tanisawa K, Goto S, Kerepesi C, Boldogh I, Ba X, Davies KJA, Horvath S, Radak Z. DNA methylation clock DNAmFitAge shows regular exercise is associated with slower aging and systemic adaptation. *Geroscience*, 45(5), 2805-2817, 2023.

Kolonics A, Bori Z, Torma F, Abraham D, Fehér J, Radak Z. Exercise combined with

postbiotics treatment results in synergistic improvement of mitochondrial function in the brain of male transgenic mice for Alzheimer's disease. *BMC Neuroscience*, 24(1), 68-70, 2023.

Matsui T. Budo Neuroscience for “Gentle Way” as An Intangible Legacy of Tokyo 2020: A Dream by The Father of Judo, Jigoro Kano. *SportRxiv*, 268, 2023

Hassan M, Kennard M, Yoshitake S, Ishac K, Takahashi S, Kim SK, *Matsui T, Hirokawa M. Augmenting the Sense of Social Presence in Online Video Games Through the Sharing of Biosignals. *SSRN*, 4409781, 2023.

Funabashi D, Tsuchida R, Matsui T, Kita I, Nishijima T. Enlarged housing space and increased spatial complexity enhance hippocampal neurogenesis but do not increase physical activity in mice. *Frontiers in sports and active living*, 5, 1203260, 2023.

Dobashi S, Funabashi D, Sameshima K, Tsuruoka N, *Matsui T. Lactate Dynamics in Skin Interstitial Fluid Predicts Lactate Threshold in Exercising Rats. *bioRxiv*, 10.23.563585, 2023.

Granger SJ, Colon-Perez L, Larson MS, Bennett IJ, Phelan M, Keator DB, Janecek JT, Sathishkumar MT, Smith AP, McMillan L, Greenia D, Corrada MM, Kawas CH, Yassa MA. Reduced structural connectivity of the medial temporal lobe including the perforant path is associated with aging and verbal memory impairment. *Neurobiology of Aging*, 121, 119–128, 2023-1.

Xie W, Cappiello M, Yassa MA, Ester E, Zaghloul KA, Zhang W. The entorhinal-DG/CA3 pathway in the medial temporal lobe retains visual working memory of a simple surface feature. *eLife*, 12, e83365, 2023-5.

Adams JN, Márquez F, Larson MS, Janecek JT, Miranda B, Noche JA, Taylor L, Hollearn M, McMillan L, Keator D, Head E, Rissman R, *Yassa MA. Differential involvement of hippocampal subfields in the relationship between Alzheimer's pathology and memory interference in older adults. *Alzheimer's and Dementia*, 15(2), e12419, 2023-5.

Woo CC, Miranda B, Sathishkumar M, Dekhordi-Vakil F, Yassa MA, Leon M. Olfactory enrichment improves memory and modifies the uncinate fasciculus in older adults.

Frontiers in Neuroscience, 17, 1200448, 2023-7.

Adams JN, Chappel-Farley MG, Yaros JL, Taylor L, Harris AL, Mikhail A, McMillan L, Keator DB, *Yassa MA. Functional network structure supports resilience to memory deficits in cognitively normal older adults with amyloid- β pathology *Scientific Reports*, 13(1), 13953, 2023-8.

Yassa MA, Edinger A. Diversifying Faculty Recruitment in Biomedical Sciences. *The FASEB Journal*, 37(11), e23224, 2023-9.

Gattas S, Larson MS, Mnatsakanyan L, Sen-Gupta I, Vadera S, Swindlehurst L, Rapp PE, Lin JJ, *Yassa MA. Theta-mediated hippocampal-neocortical interactions underlie pattern separation in humans. *Nature Communications*, 14(1), 8505, 2023-12.

+8 research articles

Books

5 books

Awards

3 awards

B. *Waza* Division

Research Articles

Yang Y, Lee X, Enomoto Y. Implementing the tracking of 1500 m runners using Open CV. *Journal of Physical Education and Sport*, 23(7), 1698-1705, 2023.

Hiroki H, Koga D, Sengoku Y, Wada T. Relationship between swimming velocity and trunk twist motion in short-distance crawl swimming. *Biomechanics*, 3, 193–203, 2023.

Homoto K, Koga D, Tsunokawa T, Sengoku Y, Homma M, Takagi H. Does the flutter kick exert propulsion in front crawl swimming? *XIVth International Symposium on Biomechanics and Medicine in Swimming Proceedings*, 215-220, 2023.

Kim J, Muranaka M, Tanji F, Nabekura Y, *Sengoku Y. Case report of the one season change in swimming economy evaluated at high intensity domain, aerobic capacity and 200-m freestyle performance. *Proceeding of the XIVth International Symposium on Biomechanics and Medicine in Swimming*, Leipzig, 275-280, 2023.

Koga D, Hyodo H, Homoto K, Tsunokawa T, Sengoku Y, Kudo S, Takagi H. Comparison of hand fluid force and hand kinematics by stroke phase in sprint front crawl swimming between performance level. *XIVth International Symposium on Biomechanics and Medicine in Swimming Proceedings*, 6, 2023.

Nakazono Y, Shimojo H, Takagi H, Sengoku Y, *Tsunokawa T. Underwater undulatory swimming propulsion mechanism of left lower limb deficient swimmer using PIV method. *Proceeding of the 14th International Symposium on Biomechanics and Medicine in Swimming*, Leipzig, 361–366, 2023.

Sakai S, Takeda T, Tsunokawa T, Sengoku Y, Takagi H. The kinetic characteristics of male and female swimmers kick-start motion in competitive swimming. *XIVth International Symposium on Biomechanics and Medicine in Swimming Proceedings*, 451-454, 2023.

Sengoku Y, Hasegawa M, Homoto K, Daiki K, Namio D, Muranaka M, Yamakawa K. Effect of pre-race core exercise on 50 m front crawl performance -Case study focusing on individual trunk muscular activity-. *Proceeding of the XIVth International Symposium on Biomechanics and Medicine in Swimming*, Leipzig, 491-496, 2023.

Shimojo H, Yamashiro S, Ichikawa H, Shimoyama Y, Tsunokawa T, Sengoku Y, Takagi H. Wake flow visualization around swimmer's foot and thrust force estimation at an indoor swimming pool. *XIVth International Symposium on Biomechanics and Medicine in Swimming Proceedings*, 501-504, 2023.

Yamakawa KK, Homoto K, Nakazono Y, Tsunokawa T, Takagi H, Sengoku Y. Relationship between fluid force acting on a foot and muscle activity of lower limb in breaststroke kicking. *Proceeding of the XIVth International Symposium on Biomechanics and Medicine in Swimming*, Leipzig, 635-640, 2023.

Mariko Kanaya, Takahiro Sato, Cathy McKay, Saori I Braun, Hideki Takagi. An international perspective on strategies to increase college students' empathy in gymnastics courses. *Strategies*, 36(2), 3-9, 2023.

Kanaya M, Sato T, McKay C, Braun SI, Takagi H. An International Perspective on Strategies to Increase College Students' Empathy in Gymnastics Courses. *Strategies*, 36(2), 3–9, 2023. DOI. 10.1080/08924562.2023.2174226.

Nakashima M, Tsuchiya,S, Toyoda R, Kuramoto A, Koga D, Takagi H. Athlete-specific optimizing simulation of armstroke in crawl swimming considering individual shoulder joint torque characteristics. *XIVth International Symposium on Biomechanics and Medicine in Swimming Proceedings*, 349-352, 2023.

Shirai, T., Myoenzono, K., Kawai, E., Yamauchi, Y., Suzuki, K., Maeda, S., Takagi, H., Takemasa, T. Effects of maslinic acid supplementation on exercise-induced inflammation and oxidative stress in water polo athletes: A randomized, double-blind, crossover, and placebo-controlled trial. *Journal of the International Society of Sports Nutrition*, 20(1), 2239196, 2023. DOI. 0.1080/15502783.2023.2239196.

Tsunokawa T, Shigehara H, Nakazono Y, Homoto K. The effects of flutter kick on active drag during front crawl swimming. *Proceeding of the 14th International Symposium on Biomechanics and Medicine in Swimming*, Leipzig, 581–583, 2023.

Furuhashi Y, Hioki Y, Maemura H, Hayashi R. External focus affects drop jump performance: Focusing on different aims and words of instruction. *Journal of Human Kinetics*, 89, 33–41, 2023. DOI: 10.5114/jhk/159235 33.

Hiroki Arakawa, Masamichi Okudaira, Satoru Tanigawa, Hirohiko Maemura, Takashi Fukuda. Altered Joint Angle Strategy for Sprinting in Elite Sprinters with Chronic Ankle Instability. *Asian J Kinesiol*, 25(3), 3-11. 2023.

Kyoya Ono, Hirohiko Maemura, Satoru Tanigawa. Relationship between side hop test and pre-planned and unplanned cutting. *Gazzetta Medica Italiana Archivio per le Scienze Mediche*, 2023.

Okudaira M, Hasegawa T, Tanigawa S, Maemura H. GPS-based Training Load Monitoring: Relationship between External and Internal Training Load and Neuromuscular Fatigue in Track and Field Sprinter - A case study. *Sport Performance & Science Reports*, 195, 1-6, 2023.

Yuki Furuhashi, Takuya Yoshida, Kazuki Ota, Kotaro Muratomi, Ryohei Hayashi, Satoru Tanigawa, Hirohiko Maemura. Effects of attentional focus strategy on drop jump for athletes with different experience levels : performance, *kinetics and kinematics*. *International Journal of Sports Science & Coaching*, 2023. DOI:10.1177/17479541241236072.

Taiki Kato, Shinichi Yamagiwa, Koichi Marumo. Performance Enhancement of Stream-Based Decompression Process by Notifying Compression Buffer Size. *proceedings of IEEE Symposium on Computers and Communications (ISCC) 2023*, pp. 491-494, (2023-08-28), DOI:10.1109/iscc58397.2023.10218261.

Taiki Kato, Shinichi Yamagiwa, Koichi Wada. Toward Parallelization Technique for Stream-based Lossless Data Compression. *proceedings of 2023 IEEE International Conference on Big Data*, pp. 2667-2672, (2023), DOI:10.1109/BigData59044.2023.10386184.

+ 8 research articles

Awards

1 award

C. *Karada* Divison

Research Articles

Asano Y, Nagata K, Shibuya K, Fujii Y, Kitano N, Okura T. Association of 24-h movement behaviors with phase angle in community-dwelling older adults: a compositional data analysis. *Aging Clin Exp Res*, 35(7), 1469-1476, 2023.

Yoon J, Sasaki K, Nishimura I, Hashimoto H, Okura T, Isoda H. Effects of desert olive tree pearls containing high hydroxytyrosol concentrations on the cognitive functions of middle-aged and older adults. *Nutrients*, 21;15(14), 3234, 2023.

Seol J, Lim N, Nagata K, Okura T. Effects of home-based manual dexterity training on cognitive function among older adults: a randomized controlled trial. *Eur Rev Aging Phys*, 20(9), 2023.

Seol J, Kokudo C, Park I, Zhang S, Yajima K, Okura T, Tokuyama K. Energy metabolism and thermoregulation during sleep in young and old females. *Sci Rep*, 13(1), 10416, 2023.

Yoon J, Sasaki K, Tateoka K, Arai T, Isoda H, Okura T. Evaluation of Cognitive and Physical Function Among Older Adults by Their Physical Activity: A Cross-Sectional Kasama Study, Japan. *Alzheimers Dis*, 96(4), 1801-1812, 2023.

Nagata K, Tsunoda K, Fujii Y, Jindo T, Okura T. Impact of exercising alone and exercising with others on the risk of cognitive impairment among older Japanese adults. *Arch Gerontol Geriatr*, 107, 104908, 2023.

Tateoka K, Tsuji T, Shoji T, Tokunaga S, Okura T. Relationship between acceleration in a Sit-to-stand movement and physical function in older adults. *Geriatrics (Basel)*, 8(6), 123, 2023.

Asano Y, Tsuji T, Okura T. Segmental extracellular-to-intracellular water resistance ratio and physical function in older adults. *Exp Gerontol*, 181, 112278, 2023.

Shinkai R, Ando S, Nonaka Y, Yoshimura Y, Kizuka T, Ono S. Importance of head movements in gaze tracking during table tennis forehand stroke. *Human Movement Science*, 90, 103124, 2023.

Hirano R, Numasawa K, Yoshimura Y, Miyamoto T, Kizuka T, Ono S. The effect of eccentricity on visual motion prediction in peripheral vision. *Physiological Reports*, 11(22), e15877, 2023.

Fujii N, Omori S, Kataoka Y, Maimaituxun G, Bailey SJ, Lloyd AB, Arnold JT, Amano T, Tanabe Y, Omi N, Watanabe K, Nishiyasu T. Dietary nitrate supplementation increases nitrate and nitrite concentrations in human skin interstitial fluid. *Nitric Oxide*, 134-135, 10-16, 2023.

Rikako Yoshitake, Insung Park, Hitomi Ogata, Naomi Omi. Meal Timing and Sleeping Energy Metabolism. *Nutrients*, 15(3), 763, 2023.

Tomoko Aoyama, Yuki Hikihara, Masashi Watanabe, Hitoshi Wakabayashi, Satoshi Hanawa, Naomi Omi, Hidemi Takimoto, Shigeho Tanaka. Infant gross motor development and childhood physical activity: Role of adiposity. *JSAMS Plus*, 2, 100021, 2023.

Satoko Ozawa, Shuko Tanakadate, Chinatsu Watanabe, Naomi Omi. Association between Dietary Consumption of Meals Combining the Five Food Groups and Stage of Change in the Fifth and Sixth Elementary and Junior High School-Aged Children in Sports Clubs: A Cross-Sectional Research at Soccer Clubs. *J Nutr Sci Vitaminol*, 69(4), 243-250, 2023.

Nao Koizumi, Hitomi Ogata, Yutaro Negishi, Hisashi Nagayama, Miki Kaneko, Ken Kiyono, Naomi Omi. Energy Expenditure of Disaster Relief Operations Estimated Using a Tri-Axial Accelerometer Rate Monitor. *International Journal of Environmental Research and Public Health*, 20, 5742, 2023.

Naomi Omi, Hayata Yamamoto, Taketo Yamaguchi, Motoki Tsukiashi, Takayuki Yamamoto, Ryo Tanaka, Kouchi Watanabe, Hiroko Maruki-Uchida, Toshihiro Kawama. Enzymatically modified isoquercitrin in soy protein temporarily enhanced the plasma amino-acid concentrations, antioxidant index, and plasma hormone levels: a randomized, double-blind cross-over trial. *Amino Acids*, 2023.

Yuki Aikawa, Yuich Noma, Umon Agata, Yuya Kakutani, Satoshi Hattori, Hitomi Ogata, Ken Kiyono, Naomi Omi. Running exercise and food restriction affect bone chemical

properties in young female rats. *Physical Activity and Nutrition*, 27(2), 62-69, 2023.

Satoko Ozawa, Shuko Tanakadate, Chinatsu Watanabe, Naomi Omi. Self-Efficacy of Parents of Boys in Sports Clubs on Meal Preparation and Boys' Dietary Intake: A Cross-Sectional Study of Soccer Clubs. *J Nutr Sci Vitaminol*, 69(6), 471-478, 2023.

Silva AM, Campa F, Stagi S, Gobbo LA, Buffa R, Toselli S, Silva DAS, Gonçalves EM, Langer RD, Guerra-Júnior G, Machado DRL, Kondo E, Sagayama H, Omi N, Yamada Y, Yoshida T, Fukuda W, Gonzalez MC, Orlandi SP, Koury JC, Moro T, Paoli A, Kruger S, Schutte AE, Andreolli A, Earthman CP, Fuchs-Tarlovsky V, Irurtia A, Castizo-Olier J, Mascherini G, Petri C, Busert LK, Cortina-Borja M, Bailey J, Tausanovitch Z, Lelijveld N, Ghazzawi HA, Amawi AT, Tinsley G, Kangas ST, Salpéteur C, Vázquez-Vázquez A, Fewtrell M, Ceolin C, Sergi G, Ward LC, Heitmann BL, da Costa RF, Vicente-Rodriguez G, Cremasco MM, Moroni A, Shepherd J, Moon J, Knaan T, Müller MJ, Braun W, García-Almeida JM, Palmeira AL, Santos I, Larsen SC, Zhang X, Speakman JR, Plank LD, Swinburn BA, Ssensamba JT, Shiose K, Cyrino ES, Bosy-Westphal A, Heymsfield SB, Lukaski H, Sardinha LB, Wells JC, Marini E. The bioelectrical impedance analysis (BIA) international database: aims, scope, and call for data. *European Journal of Clinical Nutrition*, 77(12), 1143-1150, 2023.

Nishitani N, Kosaki K, Mori S, Matsui M, Sugaya T, Kuro-o M, Saito C, Yamagata K, Maeda S. Association of lower extremity muscle strength and function with renal resistive index in individuals with and without chronic kidney disease. *Geriatrics*, 8(6), 118, 2023.

Sone R, Kosaki K, Tahara R, Watanabe K, Hayashi K. Comparison of low-intensity and high-intensity exercise in salivary nitric oxide response: a pilot study. *Asian Journal of Sports Medicine*, 14(4), e129312, 2023.

Yoshioka M, Kaneko T, Yoneko K, Matsui M, Mori S, Nishitani N, Qin W, Ouchi K, Yasuda R, Namatame H, Sato T, Park J, Nakata Y, Maeda S, Kosaki K. Effects of lactotripeptide ingestion and physical activity intervention on the fatigue status of middle-aged and older adults: A randomized controlled trial. *Sci Rep*, 13(1), 15736, 2023.

Kosaki K, Park J, Matsui M, Sugaya T, Kuro-o M, Saito C, Yamagata K, Maeda S. Elevated urinary angiotensinogen excretion links central and renal hemodynamic

alterations. *Sci Rep*, 13(1), 11518, 2023.

Sagayama H, Yamada Y, Kondo E, Tanabe Y, Uchizawa A, Shankaran M, Nyangau E, Evans WJ, Hellerstein M, Yasukata J, Higaki Y, Ohnishi T, Takahashi H. Skeletal muscle mass can be estimated by creatine (methyl-d3) dilution and is correlated with fat-free mass in active young males. *European Journal of Clinical Nutrition*, 77, 393-399, 2023.

Kondo E, Takai E, Sagayama H, Takahashi H. Comparison of three type of muscle glycogen loading interventions using a very-high-carbohydrate diet in an elite male racewalker: a case report. *Physical activity and nutrition*, 27(1), 47-54, 2023.

Tanaka Y, Sagayama H, Shimizu K. Insights into exercise timing to regulate circadian clocks and phenotypes. *Clinical Nutrition Open Science*, 47, 96-101, 2023.

Sagayama H, Kondo E, Tanabe Y, Uchizawa A, Evans WJ, Shankaran M, Nyangau E, Hellerstein M, Shiose K, Yoshida T, Yasukata J, Higaki Y, Ohnishi T, Takahashi H, Yamada Y. Comparison of bioelectrical impedance indices for skeletal muscle mass and intracellular water measurements of physically active young men and athletes. *Journal of Nutrition*, 153(9), 2543-2551, 2023.

Speakman JR, de Jong JMA, Sinha S, Westerterp KR, Yamada Y, Sagayama H, Ainslie PN, Anderson LJ, Arab L, Bedu-Addo K, Blanc S, Bonomi AG, Bovet P, Brage S, Buchowski MS, Butte NF, Camps SGJA, Cooper JA, Cooper R, Das SK, Davies PSW, Dugas LR, Ekelund U, Entringer S, Forrester T, Fudge BW, Gillingham M, Ghosh S, Goris AH, Gurven M, Halsey LG, Hambly C, Haisma HH, Hoffman D, Hu S, Joosen AM, Kaplan JL, Katzmarzyk P, Kraus WE, Kushner RF, Leonard WR, Löf M, Martin CK, Matsiko E, Medin AC, Meijer EP, Neuhouwer ML, Nicklas TA, Ojiambo RM, Pietiläinen KH, Plange-Rhule J, Plasqui G, Prentice RL, Racette SB, Raichlen DA, Ravussin E, Redman LM, Roberts SB, Rudolph MC, Sardinha LB, Schuit AJ, Silva AM, Stice E, Urlacher SS, Valenti G, Van Etten LM, Van Mil EA, Wood BM, Yanovski JA, Yoshida T, Zhang X, Murphy-Alford AJ, Loechl CU, Kurpad A, Luke AH, Pontzer H, Rodeheffer MS, Rood J, Schoeller DA, Wong WW. Total daily energy expenditure has declined over the past three decades due to declining basal expenditure, not reduced activity expenditure. *Nature Metabolism*, 5(4), 579-588, 2023.

Halsey LG, Careau V, Ainslie PN, Alemán-Mateo H, Andersen LF, Anderson LJ, Arab L, Baddou I, Bandini L, Bedu-Addo K, Blaak EE, Blanc S, Bonomi AG, Bouten CVC, Bovet P, Brage S, Buchowski MS, Butte N, Camps SG, Casper R, Close GL, Colbert LH, Cooper JA, Cooper R, Dabare P, Das SK, Davies PSW, Deb S, Nyström CD, Dietz W, Dugas LR, Eaton S, Ekelund U, Hamdouchi AE, Entringer S, Forrester T, Fudge BW, Gillingham M, Goris AH, Gurven M, Haisma H, Hambly C, Hoffman D, Hoos MB, Hu S, Joonas N, Joosen A, Katzmarzyk P, Kempen KP, Kimura M, Kraus WE, Kriengsinyos W, Kuriyan R, Kushner RF, Lambert EV, Lanerolle P, Larsson CL, Lessan N, Löf M, Martin C, Matsiko E, Meijer GA, Morehen JC, Morton JP, Must A, Neuheuser M, Nicklas TA, Ojiambo RM, Pietilainen KH, Pitsiladis YP, Plange-Rhule J, Plasqui G, Prentice RL, Rabinovich R, Racette SB, Raichen DA, Ravussin E, Redman L, Reilly JJ, Reynolds R, Roberts S, Rood JC, Samaranayake D, Sardinha LB, Scutt AJ, Silva AM, Sinha S, Sjödin AM, Stice E, Stunkard A, Urlacher SS, Valencia ME, Valenti G, van Etten LM, Van Mil EA, Verbunt JA, Wells JCK, Wilson G, Wood B, Yoshida T, Zhang X, Murphy-Alford A, Loechl C, Luke A, Pontzer H, Rood J, Sagayama H, Westerterp KR, Wong WW, Yamada Y, Speakman JR; IAEA DLW Database Consortium. Greater male variability in daily energy expenditure develops through puberty. *Biology Letters*, 19(9), 20230152, 2023.

Naito T, Saito T, Muraishi K, Takahashi H. Comparison of the effects of high and low levels of solar radiations on exercise capacity in hot outdoor environments. *The Journal of sports medicine and physical fitness*, 63(1), 42-52, 2023.

Shoes K, Takahashi H, Yamada Y. Muscle glycogen assessment and relationship with body hydration status: a narrative review. *Nutrients*, 15(1), 155, 2023.

Iwayama K, Tanabe Y, Yajima Y, Tanji F, Onishi T, Takahashi H. Preexercise high-fat meal following carbohydrate loading attenuates glycogen utilization during endurance exercise in male recreational runners. *Journal of strength and conditioning research*, 37(3), 661-668, 2023.

Ozaki H, Yokozawa T, Matsumoto M, Ozaki W, Miyauchi S, Takahashi H. Automation of routine work in athlete support using deep learning MR image analysis support application. *Journal of High Performance Sport*, 11, 134-138, 2023.

Matsuda T, Takahashi H, Nakamura M, Ogata H, Kanno M, Ishikawa A, Sakamaki-Sunaga M. Influence of the menstrual cycle on muscle glycogen repletion after

exhaustive exercise in eumenorrheic women. *Journal of Strength and Conditioning Research*, 37(4), e273-e279, 2023.

Okuda, H, Yokoyama, T, Takeda, F, Sone, T. Conflicts among public health nurses managers in Japan-The reality of conflicts and influencing factors. *Journal of the National Institute of Public Health*, 72(1), 62-75, 2023.

Hidaka K, Monma T, Fukushima H, Ozawa N, Iwata N, Terada K, Fukushima T, Takeda F. Development of adolescent childhood cancer survivors' psychosocial issues scale. *Pediatrics International*, 65(1), e15664, 2023.

Ishii Y, Monma T, Hotoge S, Takeda F. Effects of a Communication Program on Sense of Coherence in Japanese Child-Rearing Mothers. 現代 QOL 研究, 6, 5-18, 2023.

Marumoto T, Monma T, Sawae Y, Takeda F. Mental Health and Psychosocial Status in Mothers of Children with Attention Deficit Hyperactivity Disorder (ADHD): Differences by Maternal ADHD Tendencies: Mental Health and Psychosocial Status in Mothers of ADHD Children. *Child Psychiatry & Human Development*, 2023.

Monma T, Matsui T, Inoue K, Masuchi K, Okada T, Tamura M, Ishii T, Satoh M, Tokuyama K, Takeda F. Prevalence and risk factors of poor subjective sleep quality in elite judo athletes. *Sleep and Biological Rhythms*, 2023.

Monma T, Matsui T, Koyama S, Ueno H, Kagesawa J, Oba C, Nakamura K, Takagi H, Takeda F. Physical complaints and their relationships to esports activities among Japanese esports players: A cross-sectional study. *medRxiv*, 2023.

Tsuchida M, Monma T, Ozawa S, Kikuchi A, Takeda F. Relationships between lifestyle habits and presenteeism among Japanese employees. *Journal of Public Health*, 2023.

Yajima K, Chiba S, Park I, Ogata H, Kayaba M, Ishihara A, Tanaka Y, Zhang S, Seol J, Katakura M, Tokuyama K. Dietary palmitic acid to oleic acid ratio modulates energy metabolism and biological rhythms in young healthy Japanese males. *Br J Nutr*, 14, 1-38, 2023.

Shi Y, Wakaba K, Kiyohara K, Hayashi F, Tsushita K, Nakata Y. Effectiveness and

Components of Web-Based Interventions on Weight Changes in Adults Who Were Overweight and Obese: A Systematic Review with Meta-Analyses. *Nutrients*, 15(1), 179, 2023.

Mitsuhashi R, Sawai A, Kiyohara K, Shiraki H, Nakata Y. Factors Associated with the Prevalence and Severity of Menstrual-Related Symptoms: A Systematic Review and Meta-Analysis. *International Journal of Environmental Research and Public Health*, 20(1), 569, 2023.

Delliaux S, Ichinose M, Watanabe K, Fujii N, Nishiyasu T. Muscle metaboreflex activation during hypercapnia modifies nonlinear heart rhythm dynamics, increasing the complexity of the sinus node autonomic regulation in humans. *Pflügers Arch*, 475(4), 527-539, 2023.

Fujimoto T, Dobashi K, Fujii N, Matsutake R, Nishiyasu T. Hypocapnia attenuates local skin thermal perception to innocuous warm and cool stimuli in normothermic resting humans. *Am J Physiol Regul Integr Comp Physiol*, 324(1), R120-R127, 2023.

Tanabe Y, Suzuki S, Kojima J, Matsui T, Watanabe K, Nishiyasu T, Fujii N. Thermal stress, hydration, and salivary and respiratory stress markers in curling players performing a match in the cold. *Scand J Med Sci Sports*, 2023.

Lei TH, Fujiwara M, Amano T, Mündel T, Inoue Y, Fujii N, Nishiyasu T, Kondo N. Induction and decay of seasonal acclimatization on whole-body heat loss responses during exercise in a hot humid environment with different air velocities. *Am J Physiol Regul Integr Comp Physiol*, 324, R35-R44, 2023.

Dobashi K, Fukazawa Y, Katagiri A, Enomoto Y, Nishiyasu T, Fujii N. Caffeine Improves Simulated 800-m Run Performance without Affecting Severe Exercise-Induced Arterial Hypoxemia. *Med Sci Sports Exerc*, Online ahead of print, 2023.

Katagiri A, Fujii N, Dobashi K, Lai YF, Tsuji B, Nishiyasu T. Sodium bicarbonate reduces ventilation without altering core temperature threshold or sensitivity of hyperthermia-induced hyperventilation in exercising humans. *Am J Physiol Regul Integr Comp Physiol*, 325(1): R69-R80, 2023.

Lei TH, Lin C, Amano T, Ooue A, Mündel T, Cotter JD, Fujii N, Nishiyasu T, Kondo N. Comparing thermoregulatory responses between short and long moderate intensity intermittent exercise protocols with the same duty cycle. *J Therm Biol*, 119, 103750, 2023.

Fujii N, Rakwal R, Shibato J, Tanabe Y, Kenny GP, Amano T, Mündel T, Lei TH, Watanabe K, Kondo N, Nishiyasu T. Galanin receptors modulate cutaneous vasodilation elicited by whole-body and local heating but not thermal sweating in young adults. *Eur J Pharmacol*, 6, 175904, 2023.

Fujii N, Tanabe Y, Amano T, Watanabe K, Kondo N, Nishiyasu T, Kenny GP. Serum, interstitial, and sweat ATP in humans exposed to heat stress: insights into roles of ATP in the heat loss responses. *Clin Physiol Funct Imaging*, 43(5), 336-344, 2023.

Lei TH, Fujii N, Zhang X, Wang F, Mündel T, Wang IL, Chen YM, Nishiyasu T, Amano T, Dobashi K, Wang L, Yeh TS, Kondo N, Goulding RP. The effects of high-intensity exercise training and detraining with and without active recovery on postexercise hypotension in young men. *Physiol Rep*, 11(24), e15862, 2023.

McGarr GW, Saci S, Akerman AP, Fujii N, Kenny GP. Reliability of laser-Doppler flowmetry derived measurements of forearm and calf cutaneous vasodilation during gradual local heating in young adults. *Microvasc Res*, 146, 104470, 2023.

King KE, McCormick JJ, Notley SR, Boulay P, Fujii N, Amano T, Kenny GP. Serum klotho concentrations in older men with hypertension or type 2 diabetes during prolonged exercise in temperate and hot conditions. *Eur J Appl Physiol*, 2023.

Lee BJ, Flood TR, Galan-Lopez N, McCormick JJ, King KE, Fujii N, Kenny GP. Changes in surrogate markers of intestinal epithelial injury and microbial translocation in young and older men during prolonged occupational heat stress in temperate and hot conditions. *Eur J Appl Physiol*, Online ahead of print, 2023.

Lei TH, Wang IL, Chen YM, Liu XH, Fujii N, Koga S, Perry B, Mundel T, Wang F, Cao Y, Dobashi K, Kondo N, Li HY, Goulding RP. Critical power is a key threshold determining the magnitude of post-exercise hypotension in non-hypertensive young males. *Exp Physiol*, 108(11), 1409-1421, 2023.

Journeay WS, McCormick JJ, King KE, Notley SR, Goulet N, Fujii N, Amano T, Kenny GP. Impacts of age, diabetes, and hypertension on serum endothelial monocyte-activating polypeptide-II after prolonged work in the heat. *Am J Ind Med*, 66(7), 610-619, 2023.

Amano T, Fujii N, Quan YS, Kenny GP, Kondo N, Yamashita H, Inoue Y. In vivo assessments of microneedle arrays and iontophoresis of pilocarpine in human palmar sweating. *J Control Release*, 358, 161-170, 2023.

+ 10 research articles

Books

2 books

Awards

2 awards