

ARIHHP 研究業績一覽 (2019 年)

◆ 論文：130 編

◆ 著書：5 編

◆ 受賞：12 件

A 「心」 部門

「論文」

Takehara K, Togooobaatar G, Kikuchi A, Lkagvasuren G, Lkagvasuren A, Aoki A, Fukui T, Suwabe K, Shagdar BE, Mikami M, Mori R, Soya H. The effectiveness of exercise intervention for academic achievement, cognitive function, and physical health among children in Mongolia: a cluster RCT study protocol. *BMC Public Health*, 19(1): 697, 2019.

Yook JS, Randeep R, Shibato J, Takahashi K, Koizumi H, Shima T, Ikemoto M, Oharomari LK, McEwen BS, Soya H. Leptin in hippocampus mediates benefits of mild exercise by an antioxidant on neurogenesis and memory. *Proc Natl Acad Sci USA*, 116(22): 10988-10993, 2019.

Hyodo K, Jindo T, Suwabe K, Soya H, Nagamatsu T. Acute effects of light-intensity, slow-tempo aerobic dance exercise on mood and executive function in older adults. *Bull Phys Fit Res Inst*, 117: 8-16, 2019.

Soya M, Jesmin S, Shima T, Soya H. Dysregulation of glycogen metabolism with concomitant spatial memory dysfunction in type 2 diabetes: Potential beneficial effects of chronic exercise. *Adv Neurobiol*, 23: 363-383, 2019.

Matsui T, Soya M, Soya H. Endurance and Brain Glycogen: A clue toward understanding central fatigue. *Adv Neurobiol*, 23: 331-346, 2019.

Matsui T, Liu Y-F, Soya M, Shima T, Soya H. Tyrosine as a mechanistic-based biomarker for brain glycogen decrease and supercompensation with endurance exercise in rats: a metabolomics study of plasma. *Front Neurosci*, 13: 200, 2019.

Zheng J, Stevenson RF, Mander BA, Mnatsakanyan L, Hsu FPK, Vadera S, Knight RT, Yassa MA, Lin JJ. Multiplexing of theta and alpha rhythms in the amygdala-hippocampal circuit supports pattern separation of emotional information. *Neuron*, 102(4): 887-898, 2019.

Márquez F, Yassa MA. Neuroimaging biomarkers for Alzheimer's disease. *Mol Neurodegener*, 14: 21, 2019.

Brown ES, Kulikova A, Van Enkevort E, Nakamura A, Ivleva EI, Tustison NJ, Roberts J, Yassa MA, Choi C, Frol A, Khan DA, Vazquez M, Holmes T, Malone K. A randomized trial of an NMDA receptor antagonist for reversing corticosteroid effects on the human hippocampus. *Neuropsychopharmacology*, 44: 2263-2267, 2019.

Tustison NJ, Holbrook AJ, Avants BB, Roberts JM, Cook PA, Reagh ZM, Duda JT, Stone JR, Gillen DL, Yassa MA. Longitudinal mapping of cortical thickness measurements: An Alzheimer's Disease Neuroimaging Initiative-based evaluation study. *J Alzheimers Dis*, 71(1): 165-183, 2019.

Nguyen DM, Yassa MA, Tustison NJ, Roberts JM, Kulikova A, Nakamura A, Ivleva EI, Van Enkevort E, Brown ES. The relationship between cumulative exogenous corticosteroid exposure and volumes of hippocampal subfields and surrounding structures. *J Clin Psychopharmacol*, 39(6): 653-657, 2019.

Yaros JL, Salama DA, Delisle D, Larson MS, Miranda BA, Yassa MA. A memory computational basis for the other-race effect. *Sci Rep*, 9: 19399, 2019.

Brown ES, Sayed N, Choi C, Tustison N, Roberts J, Yassa MA, Van Enkevort E, Nakamura A, Ivleva EI, Sunderajan P, Khan DA, Vazquez M, McEwen B, Kulikova A, Frol AB, Holmes T. A randomized, double-blind, placebo-controlled trial of lamotrigine for prescription corticosteroid effects on the human hippocampus. *Eur Neuropsychopharmacol*, 29(3): 376-383, 2019.

Montchal M, Reagh ZM, Yassa MA. Precise temporal memories are supported by the lateral entorhinal cortex in humans. *Nat Neurosci*, 22, 284-288, 2019.

Amemiya R, Sakairi Y. The effects of passion and mindfulness on the intrinsic motivation of Japanese athletes. *Pers Individ Differ*, 142: 132-138, 2019.

Sakai S, Inoue-Sato M, Amemiya R, Murakami M, Inagaki K, Sakairi Y. The influence of autogenic training on the physical properties of skin and cardiac autonomic activity in postmenopausal women: an exploratory study. *Int J Dermatol*, 59(1): 103-109, 2019.

Amemiya R, Sakairi Y. The role of mindfulness in performance and mental health among Japanese athletes -An examination of the relationship between alexithymic tendencies, burnout, and performance-. *J Hum Sport Exerc*, 14(2): 456-468, 2019.

征矢英昭: スポーツインテグリティを守るアンチ・ドーピング対策. 体育の科学, 69(7), 474-476, 2019.

雨宮怜, 金ウンビ, 稲垣和希, 坂入洋右: アスリートの心理的健康を促進するマインドフルネスと心理的競技能力. スポーツ心理学研究, 46(2), 67-80, 2019.

雨宮怜, 坂入洋右: 運動パフォーマンスとマインドフルネスの関係に対する予備的検証. マインドフルネス研究, 4(1), 2019.

坂入洋右: 心身の調整力を高めるセルフ・モニタリング. 体育の科学, 69(9), 630-634, 2019.

稻垣和希, 坂入洋右: スポーツ場面におけるハイパフォーマンスを引き出すための“身心”的自己調整プログラムの有効性 —ジュニアサッカー選手を対象にした検討—. *J Health Psychol Res*, 31, 269-276, 2019.

雨宮怜: 東洋的行法に基づく身体から心へのアプローチの役割 -超競争社会の問題に対する多面的效果-. エモーションスタディーズ, 4(1), 42-44, 2019.

雨宮怜: 体育実技を活用したマインドフルネスプログラムの効果 -セルフコンパッションを指標とした検証-. ストレスマネジメント研究, 15(1), 24-33, 2019.

吉田昌宏, 雨宮怜, 坂入洋右: 日本版無条件の自己受容尺度の開発および信頼性と妥当性の確認. 筑波大学体育系紀要, 42, 21-32, 2019.

元嶋菜美香, 坂入洋右: 中学校剣道授業が生徒の共感性に与える影響 -ダンス授業との比較から-. 長崎国際大学論叢, 19, 21-30, 2019.

「著書」

坂入洋右, 中塚健太郎, 伊藤佐陽子, 征矢英昭, 大森武則: こころのダイアグラム (DMS) -二次元気分尺度 (T DMS) 2項目版・子ども用-. アイエムエフ, 2019.

坂入洋右: スピリチュアリティ, 催眠療法とリラクセーション法: 日本健康心理学会 (編): 健康心理学事典, 丸善出版, 374-375, 468-469, 2019.

「受賞」

松井崇: 第 74 回日本体力医学会大会 大塚スポーツ医・科学賞, 2019.

松井崇: The 1st International Sport Neuroscience Conference (ISNC) Travel Award for Poster Presentation, 2019.

雨宮怜: 筑波大学河本体育科学研究奨励賞, 2019.

B 「体」 部門

「論文」

Fujii N, Amano T, Kenny GP, Honda Y, Kondo N, Nishiyasu T. Nicotinic receptors modulate skin perfusion during normothermia, and have a limited role in skin vasodilatation and sweating during hyperthermia. *Exp Physiol*, 104(12): 1808-1818, 2019.

Fujii N, McGarr GW, Sigal RJ, Boulay P, Nishiyasu T, Kenny GP. Ageing augments nicotinic and adenosine triphosphate-induced, but not muscarinic, cutaneous vasodilatation in women. *Exp Physiol*, 104(12): 1801-1807, 2019.

Amano T, Sugiyama Y, Okumura J, Fujii N, Kenny GP, Nishiyasu T, Inoue Y, Kondo N, Sasagawa K, Enoki Y, Maejima D. Effects of isomaltulose ingestion on postexercise hydration state and heat loss responses in young men. *Exp Physiol*, 104(10): 1494-1504, 2019.

Fujii N, Kenny GP, Amano T, Honda Y, Kondo N, Nishiyasu T. Evidence for TRPV4 channel induced skin vasodilatation through NOS, COX, and KCa channel mechanisms with no effect on sweat rate in humans. *Eur J Pharmacol*, 858: 172462, 2019.

Fujii N, McGarr GW, Ichinose M, Nishiyasu T, Kenny GP. Tetraethylammonium, glibenclamide, and 4-aminopyridine modulate post-occlusive reactive hyperemia in non-glabrous human skin with no roles of NOS and COX. *Microcirculation*, 27(1): e12586, 2019.

McGarr GW, Fujii N, McNeely BD, Hatam K, Nishiyasu T, Sigal RJ, Boulay P, Kenny GP. Superoxide and NADPH oxidase do not modulate skin blood flow in older exercising adults with and without type 2 diabetes. *Microvasc Res*, 25: 103886, 2019.

McGarr GW, Fujii N, Muia CM, Nishiyasu T, Kenny GP. Separate and combined effects of KCa and KATP channel blockade with NOS inhibition on cutaneous vasodilation and sweating in older men during heat stress. *Am J Physiol Regul Integr Comp Physiol*, 317(1): R113-R120, 2019.

Fujii N, Hatam K, McGarr GW, Meade RD, Boulay P, Nishiyasu T, Kenny GP. Exogenous

activation of protease-activated receptor 2 attenuates cutaneous vasodilatation and sweating in older men exercising in the heat. *Skin Pharmacol Physiol*, 32(5): 235-243, 2019.

Cao Y, Ichikawa Y, Sasaki Y, Ogawa T, Hiroyama T, Enomoto Y, Fujii N, Nishiyasu T. Expiratory flow limitation under moderate hypobaric hypoxia does not influence ventilatory responses during incremental running in endurance runners. *Physiol Rep*, 7: e13996, 2019.

Fujii N, Kashihara M, Kenny GP, Honda Y, Fujimoto T, Cao Y, Nishiyasu T. Carotid chemoreceptors have a limited role in mediating the hyperthermia-induced hyperventilation in exercising humans. *J Appl Physiol*, 126(2): 305-313, 2019.

Fujii N, McGarr GW, Hatam K, Chandran N, Muia CM, Nishiyasu T, Boulay P, Ghassa R, Kenny GP. Heat shock protein 90 does not contribute to cutaneous vasodilatation in older adults during heat stress. *Microcirculation*, 26(2): e12541, 2019.

Fujii N, McGarr GW, Nishiyasu T, Sigal RJ, Boulay P, Kenny GP. Ageing attenuates muscarinic - mediated sweating differently in men and women with no effect on nicotinic - mediated sweating. *Exp Dermatol*, 28(8): 968-971, 2019.

Fujimoto T, Tsuji B, Sasaki Y, Dobashi K, Sengoku Y, Fujii N, Nishiyasu T. Low-intensity exercise delays the shivering response to core cooling. *Am J Physiol Regul Integr Comp Physiol*, 316(5): R535-R542, 2019.

Ogawa T, Fujii N, Kurimoto Y, Nishiyasu T. Effect of hypobaria on maximal ventilation, oxygen uptake, and exercise performance during running under hypobaric normoxic conditions. *Physiol Rep*, 7(3): e14002, 2019.

Tsuji B, Hoshi Y, Honda Y, Fujii N, Sasaki Y, Cheung SS, Kondo N, Nishiyasu T. Respiratory mechanics and cerebra blood flow during heat-induced hyperventilation and its voluntary suppression in passively heated humans. *Physiol Rep*, 7(1): e13967, 2019.

Muia CM, McGarr GW, Schmidt MD, Fujii N, Amano T, Kenny GP. Contribution of nitric oxide synthase to cutaneous vasodilatation and sweating in men of black-African and

Caucasian descent during exercise in the heat. *Exp Physiol*, 104(12): 1762-1768, 2019.

Notley SR, Poirier MP, Sigal RJ, D'Souza A, Flouris AD, Fujii N, Kenny GP. Exercise Heat Stress in Patients With and Without Type 2 Diabetes. *JAMA*, 322(14): 1409-1411, 2019.

Meade RD, Fujii N, McGarr GW, Alexander LM, Boulay P, Sigal RJ, Kenny GP. Local arginase inhibition does not modulate cutaneous vasodilation or sweating in young and older men during exercise. *J Appl Physiol*, 126(4): 1129-1137, 2019.

Igarashi Y, Akazawa N, Maeda S. Effects of aerobic exercise alone on lipids in healthy East Asians: A systematic review and meta-analysis. *J Atheroscler Thromb*, 26(5): 488-503, 2019.

Kumagai H, Yoshikawa T, Myozenzo K, Kosaki K, Akazawa N, Tanahashi K, Tagawa K, Zempo-Miyaki A, Maeda S. Role of high physical fitness in deterioration of male sexual function in Japanese adult men. *Am J Mens Health*, 13(3): 1557988319849170, 2019.

Choi Y, Makita M, Yamamoto K, Nakamura Y, Nara T, Kawamura T, Fukuda H, Katano H, Miyakawa S, Maeda S. Effect of novel recovery garments utilizing nanodiamond- and nanoplatinum-coated materials (DPV576-C) on physical and psychological stress in baseball players: a randomized, placebo-controlled trial. *Eur J Sport Sci*, 19(7): 869-875, 2019.

Ra SG, Choi Y, Akazawa N, Kawanaka K, Ohmori H, Maeda S. Effects of taurine supplementation on vascular endothelial function at rest and after resistance exercise. *Adv Exp Med Biol*, 1155: 407-414, 2019.

Choi Y, Tanabe Y, Akazawa N, Zempo-Miyaki A, Maeda S. Curcumin supplementation attenuates a decrease in endothelial function following eccentric exercise. *J Exerc Nutr Biochem*, 23(2): 7-12, 2019.

Tagawa K, Takahashi A, Yokota A, Sato T, Maeda S. Aortic diastolic pressure decay modulates the relation between worsened aortic stiffness and myocardial oxygen supply/demand balance after resistance exercise. *J Appl Physiol*, 127(3): 737-744, 2019.

Matsui M, Kosaki K, Akazawa N, Takahashi K, Kuro-o M, Maeda S. Association between circulating fibroblast growth factor 21, aerobic fitness, and aortic blood pressure in middle-aged and older women. *J Phys Fitness Sports Med*, 8(5): 195-201, 2019.

Kosaki K, Osuka Y, Tanaka K, Maeda S. Effect of resistance training combined with aerobic exercise on aortic arterial stiffness in older adults: a secondary analysis of randomized trial. *J Phys Fitness Sports Med*, 8(5): 203-208, 2019.

Kosaki K, Sugaya T, Ohata K, Tanabe J, Hoshino S, Inoue K, Kimura K, Maeda S, Shibagaki Y, Kamijo-Ikemori A. Renoprotective effects of voluntary running exercise training on aldosterone-induced renal injury in human L-FABP chromosomal transgenic mice. *Hypertens Res*, 42: 1518-1527, 2019.

Akazawa N, Kobayashi N, Nakamura Y, Kumagai H, Choi Y, Maeda S. Effect of sleep efficiency on salivary metabolite profile and cognitive function during exercise in volleyball athletes. *Eur J Appl Physiol*, 119: 2215-2223, 2019.

Park J, Choi Y, Mizushima R, Yoshikawa T, Myoenzono K, Tagawa K, Matsui M, Tanaka K, Maeda S. Dietary modification reduces serum ANGPTL2 levels and arterial stiffness in overweight and obese men. *J Exerc Nutr Biochem*, 23(3): 39-44, 2019.

Nishimura M, Sasai H, Nakata Y, Maeda S. Effects of vibrotactile feedback on sedentary behaviors in adults: A pilot randomized controlled trial. *Int J Environ Res Public Health*, 16(23): E4612, 2019.

Hamasaki A, Akazawa N, Yoshikawa T, Myoenzono K, Tanahashi K, Sawano Y, Nakata Y, Maeda S. Combined effects of lactotripeptide and aerobic on cognitive function and cerebral oxygenation in middle-aged and older adults. *Am J Clin Nutr*, 109(2): 353-360, 2019.

Nakamura Y, Choi Y, Akazawa N, Park I, Kawana F, Satoh M, Tokuyama K, Maeda S. The effect of sleep quality on cognitive functions in young healthy men. *Adv Exerc Sport Physiol*, 24(4): 51-56, 2019.

Nakamura Y, Choi Y, Akazawa N, Park I, Kawana F, Satoh M, Tokuyama K, Maeda S.

Effect of bright-light exposure before sleep on the human urine metabolome. *J Phys Fitness Sports Med*, 8(2): 89-96, 2019.

Oikawa S, Lee M, Motohashi N, Maeda S, Akimoto T. An inducible knockout of Dicer in adult mice does not affect endurance exercise-induced muscle adaptation. *Am J Physiol Cell Physiol*, 316: C285-C292, 2019.

Tanabe Y, Chino K, Ohnishi T, Ozawa H, Sagayama H, Maeda S, Takahashi H. Effects of oral curcumin ingested before or after eccentric exercise on markers of muscle damage and inflammation. *Scand J Med Sci Sports*, 29(4): 524-534, 2019.

Tanabe Y, Chino K, Sagayama H, Lee HJ, Ozawa H, Maeda S, Takahashi H. Effective timing of curcumin ingestion to attenuate eccentric exercise-induced muscle soreness in men. *J Nutr Sci Vitaminol*, 65(1): 82-89, 2019.

Yoshikawa T, Kumagai H, Myozenzo K, Tsujimoto T, Tanaka K, Maeda S. Aerobic exercise training normalizes central blood pressure regulation after oral glucose loading in overweight/obese men. *Clin Exper Hypertens*, 41(1): 28-35, 2019.

Zempo-Miyaki A, Kumagai H, Yoshikawa T, Myozenzo K, So R, Otsuki T, Tanaka K, Maeda S. Pentraxin3 increases in adult overweight and obese men after weight-loss by dietary modification with exercise training. *Appl Physiol Nutr Metab*, 44(2): 111-117, 2019.

Fujii N, Hara H, Enomoto Y, Tanigawa S, Nishiyasu T. Effects of work-matched supramaximal intermittent vs. submaximal constant-workload warm-up on all-out effort power output at the end of 2 minutes of maximal cycling. *Eur J Sport Sci*, 19(3): 336-344, 2019.

Tanaka Y, Ogata H, Kayaba M, Ando A, Park I, Yajima K, Araki A, Suzuki C, Zhang S, Ishihara A, Takahashi K, Shoda J, Nabekura Y, Satoh M, Tokuyama K. Effect of a single bout of exercise on clock gene expression in human leukocyte. *Int J Environ Res Public Health*, 16: 4612, 2019.

Hattori S, Noguchi A, Sasagawa K, Ogata H, Kobayashi M, Omi N. Influence of isomaltulose ingestion on fat oxidation during incremental exercise in endurance

athletes. *Am J Sports Sci*, 7(4): 193-198, 2019.

Murakami H, Kawakami R, Nakae S, Yamada Y, Nakata Y, Ohkawara K, Sasai H, Ishikawa-Takata K, Tanaka S, Miyachi M. Accuracy of 12 wearable devices for estimating physical activity energy expenditure using a metabolic chamber and the doubly labeled water method: validation study. *JMIR MHealth Uhealth*, 7(8): e13938, 2019.

Araki R, Fujie K, Yuine N, Watabe Y, Nakata Y, Suzuki H, Isoda H, Hashimoto K. Olive leaf tea is beneficial for lipid metabolism in adults with prediabetes: an exploratory randomized controlled trial. *Nutr Res*, 67: 60-66, 2019.

Kumagai R, Muramatsu A, Fujii M, Katakura Y, Ito K, Fujie K, Nakata Y, Hashimoto K, Yagyu H. Comparison of glucose monitoring between Freestyle Libre Pro and iPro2 in patients with diabetes mellitus. *J Diabetes Investigig*, 10(3): 851-856, 2019.

Nakata Y, Sasai H, Tsujimoto T, Hashimoto K, Kobayashi H. Web-based intervention to promote weight-loss maintenance using an activity monitor: A randomized controlled trial. *Prev Med Rep*, 14: 100839, 2019.

Monma T, Takeda F, Noguchi H, Takahashi H, Watanabe T, Tamiya N. Exercise or sports in midlife and healthy life expectancy: an ecological study in all prefectures in Japan. *BMC Public Health*, 19(1): 1238, 2019.

Kohda Y, Monma T, Yamane M, Mitsui T, Ando K, Jesmin S, Takeda F. Mental health status and related factors among visually impaired athletes. *J Clin Med Res*, 11(11): 729-739, 2019.

Tanimura J, Nakagawa H, Tanaka T, Kikuchi A, Osada S, Tanaka Y, Tokuyama K, Takamura T. The clinical course and potential underlying mechanisms of everolimus-induced hyperglycemia. *Endocrine J*, 66(7): 615-620, 2019.

Seol J, Fujii Y, Park I, Suzuki Y, Kawana F, Yajima K, Fukusumi S, Okura T, Satoh M, Tokuyama K, Kokubo T, Yanagisawa M. Distinct effects of orexin receptor antagonist and GABAA agonist on sleep and physical/cognitive functions after forced awakening. *Proc Natl Acad Sci USA*, 116(48): 24353-24358, 2019.

Kayaba M, Ogata H, Park I, Ishihara A, Kawana F, Kokubo T, Fukusumi S, Hayashi M, Tokuyama K, Yanagisawa M, Satoh M. Improvement of slow wave continuity by mattress with better body pressure dispersal. *Sleep Med Res*, 10(2): 1-5, 2019.

Aikawa Y, Kakutani Y, Agata U, Hattori S, Kiyono K, Ezawa I, Omi N. Adequate energy intake prevents low bone mass under exercise and low intake of nutrients in young female rats. *Am J Sports Sci*, 7(3): 127-135, 2019.

Hattori S, Noguchi A, Ogata H, Kobayashi M, Omi N. The Effect of Maple Syrup Ingestion on Fat Oxidation During Incremental Exercise in Endurance Athletes. *Am J Sports Sci*, 7(4): 149-154, 2019.

Omi N, Shiba H, Nishimura E, Tsukamoto S, Maruki-Uchida H, Oda M, Morita M. Effects of enzymatically modified isoquercitrin in supplementary protein powder on athlete body composition: a randomized, placebo-controlled, doubleblind trial. *J Int Soc Sports Nutr*, 16(1): 39-48, 2019.

Aikawa Y, Wakasugi Y, Narukawa T, Yamashita T, Sasai N, Umemura Y, Omi N, Ohtsuki M. Jump exercise and food restriction on bone parameters in young female rats. *Calcif Tissue Int* 105(5): 557-566, 2019.

Shiroma S, Kato Y, Watanabe C, Ozawa S, Tanakadate S, Omi N. Effect of class on dietary intake balance in junior high school students. *Ann Nutr Metab*, 75: 124, 2019.

Kato Y, Ode S, Omi N. Characteristics of eating habits in student athletes-examination based on gender difference. *Ann Nutr Metab*, 75: 220-221, 2019.

Ode S, Kato Y, Omi N. The effect of self-evaluation of dietary life on physical conditioning using meal check slip. *Ann Nutr Metab*, 75: 144, 2019.

Uchizawa A, Osumi H, Zhang S, Kunpei T, and Omi N. Relationship between energy expenditure, menstrual condition, and bone mineral density in female athlete triad. *Ann Nutr Metab*, 75: 147-148, 2019.

Kakutani Y, Koiwa A, Kamiya S, Ono M, Sasahara I, Omi N. Why do athletes choose

dietary supplements? Reliability and validity of the Dietary Supplement Choice Questionnaire (DSCQ) among Japanese college athletes. *J Nutr Sci Vitaminol*, 65(4): 343-348, 2019.

Ogata H, Hatamoto Y, Goto Y, Tajiri E, Yoshimura E, Kiyono K, Uehara Y, Kawanaka K, Omi N, Tanaka H. Association between breakfast skipping and postprandial hyperglycaemia after lunch in healthy young individuals. *Br J Nutr*, 122(4): 431-440, 2019.

Ogata H, Kayaba M, Tanaka Y, Yajima K, Iwayama K, Ando A, Park I, Kiyono K, Omi N, Satoh M and Tokuyama K. Effect of skipping breakfast for six days on energy metabolism and diurnal rhythm of blood glucose in young healthy Japanese males. *Am J Clin Nutr*, 110(1): 41-52, 2019.

Hattori S, Noguchi A, Sasagawa K, Ogata H, Kobayashi M, Omi N. Influence of isomaltulose ingestion on fat oxidation during incremental exercise in endurance athletes. *American Journal of Sports Science*, 7: 193-198, 2019.

Speakman JR, Pontzer H, Rood J, Sagayama H, Schoeller DA, Westerterp KR, Wong WW, Yamada Y, Loechl C, Murphy-Alford AJ. The international atomic energy agency international doubly labelled water database: Aims, scope and procedures. *Ann Nutr Metab*, 75(2): 114-118, 2019.

Watanabe D, Nanri H, Sagayama H, Yoshida T, Itoi A, Yamaguchi M, Yokoyama K, Watanabe Y, Goto C, Ebine N, Higaki Y, Ishikawa-Takata K, Kimura M, Yamada Y and Kyoto-Kameoka Study Group. Estimation of energy intake by a food frequency questionnaire: Calibration and validation with the doubly labeled water method in Japanese older people. *Nutrients*, 11(7): E1546, 2019.

前田清司: 中・高年齢者の動脈硬化予防としての習慣的運動. 医学のあゆみ, 269(2), 170-174, 2019.

吉岡将輝, 崔英珠, 棚橋嵩一郎, 栃木悠里子, 佐藤智仁, 朴ジョン, 門馬怜子, 前田清司: アスリートにおける競技特性と動脈スティフネス適応の関連. 体力科学, 68(6), 381-387, 2019.

小崎恵生, 斎藤知栄, 山縣邦弘, 前田清司. 慢性腎臓病の重症化予防に向けた運動の役割:

体力科学, 68, 97-98, 2019.

水島諒子, 笹井浩行, 中田由夫, 前田清司, 田中喜代次: 質的分析により抽出した課題を考慮した住民主導による減量支援プログラムの成果検証. 健康支援, 21, 29-37, 2019.

武田文, 門間貴史: アスリートにおける睡眠衛生. 臨床スポーツ医学, 36, 730-734, 2019.

鈴木康裕, 中田由夫, 清水如代, 田邊裕基, 新井良輔, 羽田康司: ボートレーサーの年齢, 性別, 体重および動的バランス能力と競技成績の関連—横断的調査による検討—. 運動疫学研究, 21, 38-46, 2019.

奥田博子, 横山徹爾, 武田文, 曽根智史: 行政の管理職保健師による職務遂行上に認知したコンフリクトへの対処. 保健医療科学, 68(3), 259-269, 2019.

雨宮美宇, 小泉奈央, 緒方ひとみ, 麻見直美: 大規模災害を想定した訓練における消防隊員の活動食・補給食の実態調査. 日本災害食学会誌, 6(2), 43-49, 2019.

雨宮美宇, 小泉奈央, 緒方ひとみ, 麻見直美: 大規模災害対応活動に従事する消防隊員が求める活動食および補給食. 日本災害食学会誌, 6(2), 51-55, 2019.

根岸祐太朗, 小泉奈央, 雨宮美宇, 鶴田有彩, 宮澤理花子, 緒方ひとみ, 麻見直美: 大規模災害発生時における災害対応に受持する消防隊員のための市販食品を用いた活動食および補給食メニューの検討, 日本災害食学会誌, 6(2), 35-41, 2019.

緒方ひとみ, 多田元比古, 小泉奈央, 赤野史典, 玄海嗣生, 高橋義宣, 麻見直美: 消防隊員の総摂取エネルギー量に着目した魚肉ソーセージの効果検証. 日本災害食学会誌, 6(2), 57-62, 2019.

小泉奈央, 雨宮美宇, 緒方ひとみ, 麻見直美: 大規模災害発生時を想定した災害活動隊員のための活動食となり得る既存食品の有用性の検討. 日本災害食学会誌, 6(2), 83-88, 2019.

麻見直美: 消防防災科学技術賞受賞報告 大規模災害発時の活動隊員に必要な活動食の要件検討および備蓄内容の現状調査. 筑波大学体育系紀要, 42, 87-90, 2019.

麻見直美, 緒方ひとみ, 小泉奈央, 多田元比古, 高橋義宣: 大規模災害発時に災害救助等に従事する人のための災害時活動食補給食としての魚肉ソーセージの保存性に関する検討.

日本災害食学会誌, 6, 77-81, 2019.

安方惇, 下山寛之, 檜垣靖樹: 地域在住の後期高齢者の身体活動レベルと体力の関係.
Research, 24, 2019.

「著書」

前田清司, 崔英珠: 疾患予防と改善のための身体活動のエビデンス 高血圧: 宮地元彦 (編):
臨床栄養別冊 はじめてとりくむ身体活動支援, 医歯薬出版株式会社, 42-49, 2019.

中田由夫: 疾患予防と改善のための身体活動のエビデンス 肥満: 宮地元彦 (編): 臨床栄養
別冊 はじめてとりくむ身体活動支援, 医歯薬出版株式会社, 32-41, 2019.

麻見直美: 第 8 章 骨づくりと栄養素・身体活動, 第 13 章スポーツ選手の食事管理. 麻見直
美, 川中健太郎 (編): 栄養科学イラストレイテッド運動生理学, 羊土社, 131-143, 201-215,
2019.

「受賞」

小嶋恵生, 棚橋嵩一郎, 熊谷仁, 大須賀洋祐, 菅谷健, 田中喜代次, 前田清司: 第 9 回日本腎
臓リハビリテーション学会学術集会 YIA 副会長賞, 2019.

藤井直人: 筑波大学河本体育科学研究奨励賞, 2019.

前田清司: 第 74 回日本体力医学会大会大塚スポーツ医・科学賞奨励賞, 2019.

門間貴史: 筑波大学若手教員奨励賞, 2019.

C 「技」 部門

「論文」

Yamagiwa S, Morita R, Marumo K. Reducing symbol search overhead on stream-based lossless data compression. *International Conference on Computational Science 2019 – ICCS 2019*, 619-626, 2019.

Wang G, Wada K, Yamagiwa S. Optimization in the parallelism extraction algorithm with spanning tree on a multi - GPU environment. *IEEJ Trans Electr Electron Eng*, 14(6): 862-869, 2019.

Gonjo T, Kishimoto T, Sanders R, Saito M, Takagi H. Front crawl body roll characteristics in a Paralympic medalist and national level swimmers with unilateral arm amputation. *Sports Biomech*, 1-17, 2019.

Homma M, Okamoto Y, Takagi H. How do elite artistic swimmers generate fluid forces by hand during sculling motions? *Sports Biomech*, 1-15, 2019.

Takagi H. The use of fluid mechanics to explore human swimming technique. *Research Outreach*, 2019.

Shimojo H, Gonjo T, Sakakibara J, Sengoku Y, Sanders R, Takagi H. A quasi three-dimensional visualization of unsteady wake flow in human undulatory swimming. *J Biomech*, 93: 60-69, 2019.

Watanabe K, Jesmin S, Murase Y, Takeda T, Shiraki T, Sengoku Y. Effects of repetitive altitude training on salivary immunoglobulin A secretion in collegiate swimmers. *J Clin Med Res*, 11(8): 550-555, 2019.

Chan A, Sakaue H, Muranaka M, Sakai M, Wakabayashi H, Sengoku Y. Pilot study: the effects of muscle cooling on metabolic responses and performance during Wingate anaerobic power test. *Sport and Olympic-Paralympic Studies Journal*, 4: 9-17, 2019.

Kasujja T, Sengoku Y. Review of planning and periodization in swimming for junior swimmers aged 11-16 years. *Sport and Olympic-Paralympic Studies Journal*, 4, 220-230, 2019.

Goff JE, Hong S and Asai T. Effect of a soccer ball's seam geometry on its aerodynamics and trajectory. *Proc Inst Mech Eng PJ Sport Eng Technol*, 234(1): 19-29, 2019.

Hong S, Asai T, Weon BM. Surface patterns for drag modification in volleyballs. *Appl Sci*, 9(19): 4007, 2019.

Hong S, Goff JE, Asai T. Effect of a soccer ball's surface texture on its aerodynamics and trajectory. *Proc Inst Mech Eng PJ Sport Eng Technol*, 233(1): 67-74, 2019.

Tsunokawa T, Mankyu H, Takagi H, Ogita F. The effect of using paddles on hand propulsive forces and Froude efficiency in arm-stroke-only front-crawl swimming at various velocities. *Hum Mov Sci*, 64: 378-388, 2019.

Miyashiro K, Nagahara R, Yamamoto K, Nishijima T. Kinematics of maximal speed sprinting with different running speed, leg length, and step characteristics. *Front sports act living*, 1: 1-10, 2019.

Seki K, Kyrolainen H, Numazu N, Ohyama-Byun K, Enomoto Y. Effects of Joint Kinetics on Energy Cost during Repeated Vertical Jumping. *Med Sci Sports Exerc*, 51(3): 532-538, 2019.

金谷麻理子, 高木英樹: 大学体育における意識的運動学習の教育的価値に関する一考察. 大学体育スポーツ学研究, 16, 3-12, 2019.

中村和照, 仙石泰雄, 白井祐介, 鍋倉賢治: フルマラソンの平均走速度と漸増負荷走時の血糖値の変化量との関係. トレーニング科学, 31(2), 85-92, 2019.

鈴木健介, 浅井武, 平嶋裕輔, 松竹貴大, 中山雅雄: プロサッカーリーグにおける得点機会獲得のための攻撃プレーの分析: パスプレーに着目して. 体育学研究, 64(20), 761-775, 2019.

洪性贊: 表面形状を考慮した低抵抗スポーツ用具の開発. デサントスポーツ科学, 40, 10-16, 2019.

浅井武, 洪性贊: ボールとその空力特性. 体育の科学, 69(5), 353-357, 2019.

横尾智治, 西嶋尚彦: 高等学校体育における主体的問題解決能力育成プロセスの検討. 発育発達研究. 2019(82), 14-24, 2019.

横尾智治, 西嶋尚彦: 高等学校体育における主体的問題解決能力の 1 年間の変化. 発育発達研究, 2019(82), 45-55, 2019.

松岡弘樹, 田原康寛, 山守杏奈, 本田拓也, 安藤梢, 西嶋尚彦: 自然言語処理手法を適用したサッカー攻撃プレーパターンの予測. 統計数理研究所共同研究リポート, スポーツデータ解析における理論と事例に関する研究集会, 6, 95-104, 2019.

田原康寛, 松岡弘樹, 山守杏奈, 本田拓也, 安藤梢, 西嶋尚彦: 自然言語処理を用いた野球投手の投球パターンの予測. 統計数理研究所共同研究リポート, スポーツデータ解析における理論と事例に関する研究集会, 6, 105-114, 2019.

榎本靖士: 長距離走の動作と重心. 体育の科学, 69, 879-883, 2019.

「受賞」

洪性贊: 筑波大学河本体育科学研究奨励賞, 2019.

洪性贊: 日本機械学会 部門学生優秀講演表彰, 2019.

山際伸一: 三谷ビジネスコンテスト 優秀賞, 2019.

西嶋尚彦: 日本統計学会, 第 8 回スポーツデータ解析コンペティション, 分析部門(野球), 優秀賞, 田原康寛, 松岡弘樹, 山守杏奈, 本田拓也, 安藤梢, 西嶋尚彦: 自然言語処理を用いた野球投手の投球パターンの予測, 2019.

西嶋尚彦: ランニング学会, 学会賞, 小磯透, 西嶋尚彦, 岡出美則, 鍋倉賢治: 体育における持久走・長距離走に対する小中高生の態度, 2019.