

## 論文 (2013 年以前)

- Masaki S, Sumiyoshi E, Koizumi T, Qian J, Higuchi K, Tsujimoto G, and Nose H: Voluntary locomotion linked with cerebral activation is mediated by vasopressin V1a receptors in free-moving mice. *J Physiol (Lond)* 591: 3651-3665, 2013.
- Okazaki K, Yazawa D, Goto M, Kamijo Y, Furuhashi M, Genno H, Hamada K, and Nose H: Effects of macronutrient intake on thigh muscle mass during home-based walking training in middle-aged and older women. *Scand J Med Sci Sports* 23: e286-e292, 2013.
- Nose H, Morikawa M, Masuki S, Miyagawa K, and Genno H: Exercise training based on individual physical fitness and interval walking training to prevent lifestyle-related diseases in middle-aged and older people. *J Phys Fitness Sports Med* 1: 65-71, 2012.
- Kamijo Y, Ikegawa S, Okada Y, Masuki S, Okazaki K, Uchida K, Sakurai M, and Nose H: Enhanced renal Na<sup>+</sup> reabsorption by carbohydrate in beverages during restitution from thermal and exercise-induced dehydration in men. *Am J Physiol* 301: R824-R833, 2012.
- Shimizu M, Miyagawa K, Iwashita S, Noda T, Hamada K, Genno H, and Nose H: Energy expenditure during 2-day trail walking in the mountains (2,857 m) and the effects of amino acid supplementation in older men and women. *Eur J Appl Physiol* 112: 1077-1086, 2012.
- Kamijo Y, Okada Y, Ikegawa S, Okazaki K, Goto M, and Nose H: Skin sympathetic nerve activity component synchronizing with cardiac cycle is involved in hypovolemic suppression of cutaneous vasodilatation in hyperthermia. *J Physiol (Lond)* 589: 6231-6242, 2011.
- Morikawa M, Okazaki K, Masuki S, Kamijo Y, Yamazaki T, Genno H, and Nose H: Physical fitness and indices of lifestyle-related diseases before and after interval walking training in middle-aged and older males and females. *Br J Sports Med* 45: 216-224, 2011.
- Ikegawa S, Kamijo Y, Okazaki K, Masuki S, Okada Y, and Nose H: Effects of hypohydration on thermoregulation during exercise before and after 5-day aerobic training in warm environment in young men. *J Appl Physiol* 110:972-980, 2011.
- Miyagawa K, Kamijo Y, Ikegawa S, Goto M, and Nose H: Reduced hyperthermia-induced cutaneous vasodilation and enhanced exercise-induced plasma water loss at simulated high altitude (3,200m) in humans. *J Appl Physiol* 110: 157-165, 2011.
- Nose H, Morikawa M, Masuki S, Yamazaki T, Nemoto K, Okazaki K, Kamijo Y, and Genno H: Sportology and high intensity interval walking training in aging society. *Juntendo Med J* 56: 251-256, 2010.

- Masuki S, Mori M, Tabara Y, Miki T, Morikawa M, Miyagawa K, Higuchi K, and Nose H for Shinshu University Genetic Research Consortium: Vasopressin V1a receptor polymorphism and high-intensity interval walking training effects in middle-aged and older people. *Hypertension* 55: 747-754, 2010.
- Nakajima K, Takeoka M, Mori M, Hashimoto S, Sakurai A, Nose H, Higuchi K, Itano N, Shiohara M, Oh T, Taniguchi S: Exercise effects on methylation of ASC gene. *Int J Sports Med* 30: 1-5, 2010.
- Lalande S, Okazaki K, Yamazaki T, Nose H, Warrren BA, Olsen KD, Joyner MJ, and Johnson BD. Effects of a 3 month high-intensity interval walking training on physical fitness and cardiovascular risk factors in middle-aged individuals. *J Prim Care Comm Health* 1: 104-110, 2010.
- Goto M, Okazaki K, Kmaiyo Y, Ikegawa S, Masuki S, Miyagawa K, and Nose H: Protein and carbohydrate supplementation during 5-day aerobic training enhanced plasma volume expansion and thermoregulatory adaptation in young men. *J Appl Physiol* 109: 1247-1255, 2010.
- Mori M, Higuchi K, Sakurai A, Tabara Y, Miki T, and Nose H: Genetic basis of inter-individual variability in the effects of exercise on the alleviation of lifestyle-related diseases. *J Physiol (Lond)* 587: 5577-5584, 2009.
- Okazaki K, Goto M, and Nose H: Protein and carbohydrate supplementation increases aerobic and thermos-regulatory capacities. *J Physiol (Lond)* 587:5585-5590, 2009.
- Nose H, Morikawa M, Yamazaki T, Nemoto K, Okazaki K, Masuki S, Kamijo Y, and Genno H: Beyond epidemiology: field studies and the physiology laboratory as the whole world. *J Physiol (Lond)* 587: 5569-5575, 2009.
- Sawashita J, Onitsuka S, Genno H, Ishikawa S, Iino F, Tateishi N, Murakami T, Seki Y, Nagaiwa T, Hanaoka M, Hama S, Nose H, and Higuchi K: Effects of mild calorie restriction and high-intensity interval walking in middle-aged and older overweight Japanese. *Exp Gerontol* 44: 666-675, 2009.
- Yamazaki T, Gennno H, Kmaiyo Y, Okazaki K, Masuki S, and Nose H: A new device to estimate VO<sub>2</sub> during incline walking by accelerometry and barometry. *Med Sci Sports Exerc* 41: 2213-2219, 2009.
- Okada Y, Kamijo Y, Okazaki K, Masuki S, Goto M, and Nose H: Pressor responses to isometric biting are evoked by somatosensory receptors in periodontal tissue in humans. *J Appl Physiol* 107: 531-539, 2009.
- Okazaki K, Ichinose T, Mitono H, Chen M, Masuki S, Endoh H, Hayase H, Doi T, and Nose H: Impact of protein and carbohydrate supplementation on plasma volume expansion and thermoregulatory adaptation by aerobic training in older men. *J Appl Physiol* 107: 725-733, 2009.

- Okazaki K, Hayase H, Ichinose T, Mitono H, Doi T, and Nose H: Protein and carbohydrate supplementation after exercise increases plasma volume and albumin content in older and young men. *J Appl Physiol* 107: 770-779, 2009.
- Masuki S and Nose H: Increased cerebral activity suppresses baroreflex control of heart rate in free moving mice. *J Physiol (Lond)* 587: 5783-5794, 2009.
- Nemoto K, Genno H, Masuki S, Okazaki K, and Nose H: Effects of high intensity interval walking training on physical fitness and blood pressure in middle-aged and older people. *Mayo Clinic Proceedings* 82: 803-811, 2007.
- Masuki S, Eisenach JH, Johnson CP, Dietz NM, Benrud-Larson LM, Schrage WG, Curry TB, Sandroni P, Low PA, and Joyner MJ: Excessive heart rate response to orthostatic stress in postural tachycardia syndrome is not caused by anxiety. *J Appl Physiol* 102: 896-903, 2007.
- Masuki S, Eisenach JH, Schrage WG, Dietz NM, Johnson CP, Wilkins BW, Dierkhising RA, Sandroni P, Low PA, and Joyner MJ: Arterial baroreflex control of heart rate during exercise in postural tachycardia syndrome. *J Appl Physiol* 103: 1136-1142, 2007.
- Masuki S, Eisenach JH, Schrage WG, Johnson CP, Dietz NM, Wilkins BW, Sandroni P, Low PA, and Joyner MJ: Reduced stroke volume during exercise in postural tachycardia syndrome. *J Appl Physiol* 103: 1128-1135, 2007.
- Kamijo Y and Nose H: Heat illness during working and preventive considerations from body fluid homeostasis. *Industrial Health* 44: 345-358, 2006.
- Masuki S, Eisenach JH, Dinennno FA, and Joyner MJ: Reduced forearm  $\alpha$ 1-adrenergic vasoconstriction is associated with enhanced heart rate fluctuation in humans. *J Appl Physiol* 100: 792-799, 2006.
- Kamijo Y, Okumoto T, Takeno Y, Okazaki K, Inaki M, Masuki S, and Nose H: Transient cutaneous vasodilatation and hypotension after drinking in dehydrated and exercising men. *J Physiol (Lond)* 568:689-698, 2005.
- Masuki S, Todo T, Nakano Y, Okamura H, and Nose H: Reduced  $\alpha$ -adrenoreceptor responsiveness and enhanced baroreflex sensitivity in Cry-deficient mice lacking a biological clock. *J Physiol (Lond)* 566: 213-224, 2005.
- Kamijo Y, Lee K, and Mack GW: Active cutaneous vasodilation in resting humans during mild heat stress. *J Appl Physiol* 98: 829-837, 2005.
- Mitono H, Endoh H, Okazaki K, Ichinose T, Masuki S, Takamata A, and Nose H: Acute hypoosmolality attenuates the suppression of cutaneous vasodilation with increased exercise intensity. *J Appl Physiol* 99: 902-908, 2005.
- Ichinose T, Okazaki K, Masuki S, Mitoto H, Chen M, Endoh H, and Nose H: Ten-day

- endurance training attenuates the hyperosmotic vasodilation during exercise but not sweating. *J Appl Physiol* 99: 237-243, 2005.
- Kato K, Chu C-P, Kannan H, Ishida Y, Nishimori T, and Nose H: Regional differences in the expression of Fos-like immunoreactivity after central salt loading in conscious rats: modulation by endogenous vasopressin and role of the area postrema. *Brain Res* 1022: 182-194, 2004.
- Yanagidaira T, Higuchi K, and Nose H: Diurnal rhythm disorder of behavioral activity in SAMP1 mice is partially normalized by spontaneous wheeling running. *Physiol and Behav* 80: 195-201, 2003.
- Sakai A and Nose H: Safer mountain climbing using the climbing heart beat index. *Int J Biometeorol* 48: 15-19, 2003.
- Masuki S, Takeoka M, Taniguchi S, Yokoyama M, and Nose H: Impaired arterial pressure regulation during exercise due to enhanced muscular vasodilatation in calponin knockout mice. *J Physiol (Lond)* 553: 203-212, 2003.
- Masuki S, and Nose H: Arterial baroreflex control of muscle blood flow at the onset of voluntary locomotion in mice. *J Physiol (Lond)* 553: 191-201, 2003.
- Iwashita S, Takeno Y, Okazaki K, Itoh J, Kamijo Y, Masuki S, Yanagidaira Y, and Nose H: Tri-axial accelerometer to evaluate walking efficiency in older subjects. *Med Sci Sports Exer* 35: 1766-1772, 2003.
- Masuki S, Takeoka M, Taniguchi S, and Nose H: Enhanced baroreflex sensitivity in free-moving calponin knockout mice. *Am J Physiol* 284: H939-H946, 2003.
- Okazaki K, Kamijo Y, Takeno Y, Okumoto T, Masuki S, and Nose H: Effects of exercise training on thermoregulatory responses and blood volume in older men. *J Appl Physiol* 93: 1630-1637, 2002.
- Takeno Y, Kamijo Y, and Nose H: Thermoregulatory and aerobic changes after endurance training in a hypobaric and warm environment. *J Appl Physiol* 91: 1520-1528, 2001.
- Kamijo Y, Takeno Y, Sakai A, Inaki M, Okumoto T, Itoh J, Masuki S, and Nose H: Plasma lactate concentration and muscle blood flow during dynamic exercise with negative-pressure breathing. *J Appl Physiol* 89: 2196-2206, 2000.