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**The Journal of Physical Fitness and Sports Medicine (JPFMSM)**

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**Invited Review articles and Short review articles**

**Volume 4 (No. 1 - No. 5, 2015)**

**Publication lists (Articles = 39 papers)**

**◆Invited review and short review article contents (2015)**

<u>Volume Number</u>	<u>Year</u>	<u>Review</u>	<u>Short review</u>	<u>Total</u>
Vol. 4 No. 1	2015	10	3	13
Vol. 4 No. 2	2015	7	2	9
Vol. 4 No. 3	2015	4	2	6
Vol. 4 No. 4	2015	4	3	7
Vol. 4 No. 5	2015	2	2	4
<b>Total</b>		<b>25</b>	<b>14</b>	<b>39</b>

**◆JPFMSM : Vol.4, No. 1 (March, 2015) : 13 papers**

**<Review Articles>**

1. Review of the effectiveness of prevention against cardiac arrest during exercise,  
**Takeru Abe** (Faculty of Human Sciences, Waseda University, Tokorozawa, Saitama 359-1192,

Japan)

2. **Promotion of Physical Activity Guidelines and Behavior Change, Kazuhiro Harada<sup>1</sup> and Yoshio Nakamura<sup>2</sup>** (<sup>1</sup>*Section for Motor Function Activation, National Center for Geriatrics and Gerontology, Obu, Aichi 474-8511 and* <sup>2</sup>*Faculty of Sport Sciences, Waseda University, Tokorozawa, Saitama, 359-1192, Japan*)
3. **Physical exercise and renal function, Masato Suzuki** (*Department of Laboratory Medicine The Jikei University School of Medicine, Minato-ku Tokyo 105-8461, Japan*)
4. **Tool-Body Assimilation in the Brain, Makoto Miyazaki<sup>1</sup> and Takahiro Higuchi<sup>2</sup>** (<sup>1</sup>*Research Institute for Time Studies, Yamaguchi University, Yoshida, Yamaguchi 753-8511 and* <sup>2</sup>*Department of Health Promotion Science, Graduate School of Human Health Science, Tokyo Metropolitan University, Hachioji, Tokyo 192-0397, Japan*)
5. **Physiological stimuli necessary for muscle hypertrophy, Hayao Ozaki<sup>1,2,3</sup>, Takashi Abe<sup>4</sup>, Alan E. Mikesky<sup>5</sup>, Akihiro Sakamoto<sup>6</sup>, Shuichi Machida<sup>1</sup> and Hisashi Naito<sup>1</sup>** (<sup>1</sup>*Graduate School of Health and Sport Science, Juntendo University, Inzai, Chiba 270-1695, Japan,* <sup>2</sup>*Graduate School of Medicine, Juntendo University, Bunkyo-ku, Tokyo 113-8421, Japan,* <sup>3</sup>*Japan Society for the Promotion of Science, Chiyoda, Tokyo 102-8472, Japan,* <sup>4</sup>*Department of Health, Exercise Science & Recreation Management, The University of Mississippi, Oxford, MS 38677, USA,* <sup>5</sup>*School of Physical Education and Tourism Management, Indiana University Purdue University Indianapolis, Indianapolis, IN 46202, USA and* <sup>6</sup>*Institute of Health and Sports Science & Medicine, Juntendo University, Inzai, Chiba 270-1695, Japan*)
6. **Mechanical stress regulates gene expression via Rho/Rho-kinase signaling pathway, Takako Kaneko-Kawano and Kenji Suzuki** (*College of Pharmaceutical Sciences, Ritsumeikan University, Kusatsu, Shiga 525-8577, Japan*)
7. **Etiology and nature of intervertebral disc degeneration and its correlation with low back pain, Koji Koyama<sup>1</sup>, Koichi Nakazato<sup>2</sup> and Kenji Hiranuma<sup>2</sup>** (<sup>1</sup>*Regenerative Medicine Unit, Drug Discovery Research, Astellas Pharma Inc., Tsukuba, Ibaraki 305-8585,* <sup>2</sup>*Department of Molecular Therapy, National Institute of Neuroscience, NCNP, Kodaira, Tokyo 187-8502, Japan*)
8. **Possibility of small-molecule-based pharmacotherapy for sarcopenia, Yuka Watanabe<sup>1</sup> and Yuko Miyagoe-Suzuki<sup>2</sup>** (<sup>1</sup>*Department of Molecular Therapy, National Institute of Neuroscience, NCNP, Kodaira, Tokyo 187-8502 and* <sup>2</sup>*Advanced Biologics II, Molecular Medicine Research Labs. Drug Discovery Research, Astellas Pharma Inc., Tsukuba-shi, Ibaraki 305-8585, Japan*)

9. Cellular mechanotransduction of physical force and organ response to exercise-induced mechanical stimuli, **Hajime Yano, Mohammed E Choudhury, Afsana Islam, Kana Kobayashi and Junya Tanaka** (*Department of Molecular and Cellular Physiology, Ehime University Graduate School of Medicine, 454 Shitsukawa, Toon, Ehime 791-0295, Japan*)
10. Significance of 5'AMP-Activated Protein Kinase in the Metabolomic Regulation by Skeletal Muscle Contraction, **Licht Miyamoto** (*Laboratory of Pharmacology and Physiological Sciences, Frontier Laboratories for Pharmaceutical Sciences, Institute of Health Biosciences, The University of Tokushima Graduate School and Department of Medical Pharmacology, Institute of Health Biosciences, The University of Tokushima Graduate School, 1-78-1 Shou-machi, Tokushima 770-8505, Japan*)

**<Short Review Articles>**

11. Association between childhood obesity and ERP measures of executive control, **Keita Kamiyo** (*Faculty of Sport Sciences, Waseda University, Tokorozawa, Saitama 359-1192, Japan*)
12. Locomotor adaptation: Significance and underlying neural mechanisms, **Tetsuya Ogawa<sup>1,2</sup>, Noritaka Kawashima<sup>3</sup> and Kimitaka Nakazawa<sup>4</sup>** (*<sup>1</sup>Faculty of Sports Sciences, Waseda University, Tokorozawa, Saitama 359-1192, <sup>2</sup>Japan Society for the Promotion of Science, Chiyoda, Tokyo 102-0083, <sup>3</sup>Department of Rehabilitation for the Movement Functions, Research Institute, National Rehabilitation Center for Persons with Disabilities, Tokorozawa, Saitama 359-8555 and <sup>4</sup>Graduate School of Arts and Sciences, The University of Tokyo, Meguro, Tokyo 153-8902, Japan*)
13. Epidemiology of sarcopenia in elderly Japanese, **Atsumu Yuki<sup>1,3</sup>, Fujiko Ando<sup>2,3</sup>, Rei Otsuka<sup>3</sup>, Yasumoto Matsui<sup>4</sup>, Atsushi Harada<sup>4</sup> and Hiroshi Shimokata<sup>3,5</sup>** (*<sup>1</sup>Faculty of Education, Kochi University, Akebono, Kochi 780-8520, <sup>2</sup>Faculty of Health and Medical Sciences, Aichi Shukutoku University, Nagakute City, Aichi 480-1197, <sup>3</sup>Section of the NILS-LSA, National Center for Geriatrics and Gerontology, Obu City, Aichi 474-8511, <sup>4</sup>Department of Orthopedic Surgery, National Center for Geriatrics and Gerontology, Obu City, Aichi 474-8511 and <sup>5</sup>Graduate School of Nutritional Sciences, Nagoya University of Arts and Sciences, Nisshin City, Aichi 470-0196, Japan*)

**◆JPFSM : Vol. 4, No. 2 (May, 2015) : 9 papers**

**<Review Articles>**

1. Ventilatory response to increasing body temperature: the characteristics and the effect

- on central fatigue, **Keiji Hayashi** (*Junior College, University of Shizuoka, Suruga-ku, Shizuoka 422-8021, Japan*)
2. **Exercise pressor reflex in health and diseases: animal studies, Satoshi Koba** (*Division of Integrative Physiology, Department of Physiology, Tottori University Faculty of Medicine, Yonago, Tottori 683-8503, Japan*)
  3. **Neural mechanisms of attention involved in perception and action: From neuronal activity to network, Tetsuo Kida and Ryusuke Kakigi** (*Department of Integrative Physiology, National Institute for Physiological Sciences, Okazaki, Aichi 444-8585, Japan*)
  4. **Role of Ca<sup>2+</sup> signaling in skeletal muscle hypertrophy and atrophy, Naoki Ito and Shin'ichi Takeda** (*Department of Molecular Therapy, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Kodaira, Tokyo 187-8502, Japan*)
  5. **Exercise performance in acute and chronic cold exposure, Hitoshi Wakabayashi<sup>1</sup>, Juha Oksa<sup>2</sup> and Michael J Tipton<sup>3</sup>** (*<sup>1</sup>Faculty of Engineering, Chiba Institute of Technology, Narashino, Chiba 275-0023, Japan, <sup>2</sup>Physical work capacity team, Finnish Institute of Occupational Health, Aapistie 1, 90220 Oulu, Finland and <sup>3</sup>Department of Sport & Exercise Science, University of Portsmouth, Spinnaker Building, Cambridge Road, Portsmouth, Hampshire, PO1 2ER, UK*)
  6. **Physical activity and lifestyle intervention, Masato Nishiwaki<sup>1</sup> and Naoyuki Matsumoto<sup>2</sup>** (*<sup>1</sup>Faculty of Engineering, Osaka Institute of Technology, Asahi-ku, Osaka 535-8585 and <sup>2</sup>Faculty of Environmental Symbiotic Sciences, Prefectural University of Kumamoto, Higashi-ku, Kumamoto 862-8502, Japan*)
  7. **Reflex control of human locomotion: Existence, features and functions of common interneuronal system induced by multiple sensory inputs in humans, Tsuyoshi Nakajima<sup>1</sup>, Rinaldo A. Mezzarane<sup>2</sup>, Tomoyoshi Komiyama<sup>3</sup> and E. Paul Zehr<sup>4,5,6,7</sup>** (*<sup>1</sup>Department of Integrative Physiology, Kyorin University School of Medicine, Tokyo 181-8611, Japan, <sup>2</sup>Laboratory of Signal Processing and Motor Control, College of Physical Education, University of Brasília, Brasília, Brazil, <sup>3</sup>Division of Sports and Health Science, Chiba University, Inage-ku, Chiba 263-8522, Japan, <sup>4</sup>Rehabilitation Neuroscience Laboratory, University of Victoria, Victoria, BC, Canada, <sup>5</sup>Human Discovery Science, International Collaboration on Repair Discoveries (ICORD), Vancouver, BC, Canada, <sup>6</sup>Centre for Biomedical Research, University of Victoria, Victoria, BC, Canada and <sup>7</sup>Division of Medical Sciences, University of Victoria, BC, Canada*)

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8. **Is this my hand? Body-ownership and the rubber hand illusion, Satoshi Shibuya, Satoshi Unenaka and Yukari Ohki** (*Department of Integrative Physiology, Kyorin University School of Medicine, Mitaka, Tokyo 181-8611, Japan*)
9. **Skeletal muscle signaling response to concurrent endurance and resistance exercise, Yuhei Makanae<sup>1,2</sup>, Riki Ogasawara<sup>3</sup> and Satoshi Fujita<sup>2</sup>** (*<sup>1</sup>Ritsumeikan Global Innovation Research Organization, Ritsumeikan University, Kusatsu, Shiga 525-8577, <sup>2</sup>Faculty of Sport and Health Science, Ritsumeikan University, Kusatsu, Shiga 525-8577 and <sup>3</sup>Department of Life Science, The University of Tokyo, Meguro, Tokyo 153-8902, Japan*)

**◆JPFSM : Vol. 4, No. 3 (July, 2015) : 6 papers**

**<Review Articles>**

1. **Deleterious effects of physical inactivity on the hippocampus: new insight into the increasing prevalence of stress-related depression, Takeshi Nishijima and Ichiro Kita** (*Laboratory of Behavioral Physiology, Graduate School of Human Health Sciences, Tokyo Metropolitan University, Hachioji, Tokyo 192-0397, Japan*)
2. **Nuclear receptors and skeletal muscle fiber type, Wataru Mizunoya** (*Department of Bioresource Sciences, Faculty of Agriculture, Kyushu University, Higashi-ku, Fukuoka 812-8581, Japan*)
3. **Vasopressin V1a receptor gene and voluntary exercise: Insights from humans and animal models, Shizue Masuki<sup>1,2</sup>, Eri Sumiyoshi<sup>1</sup>, Mayuko Morikawa<sup>1,2</sup> and Hiroshi Nose<sup>1,2</sup>** (*<sup>1</sup>Department of Sports Medical Sciences, Graduate School of Medicine, Shinshu University, Asahi Matsumoto 390-8621 and <sup>2</sup>Institute for Biomedical Sciences, Shinshu University, Asahi Matsumoto 390-8621, Japan*)
4. **Skeletal muscle dysfunction and oxidative stress in patients with chronic obstructive lung disease, Shuji Oh-ishi, Kenji Nemoto and Takefumi Saito** (*Department of Respiratory Medicine, National Hospital Organization, Ibarakihigashi National Hospital, Naka-gun, Ibaraki 319-1113, Japan*)

**<Short Review Articles >**

5. **Sarcopenia and aspartic acid magnesium, Shigeru Yamada, Eriko Kizaki, Aya Ozeki, Mio Nakagawa and Hitomi Fujita** (*Graduate School of Human Life Science, Jissen Women's University, 4-1-1 Osakaue, Hino, Tokyo 191-8510, Japan*)
6. **Stress-induced immunosuppression and physical performance, Miyazaki Hiromi<sup>1</sup> and Kinoshita Manabu<sup>2</sup>** (*<sup>1</sup>Division of Traumatology, Research Institute, National Defense Medical College, Tokorozawa, Saitama and <sup>2</sup>Department of Immunology and Microbiology,*

National Defense Medical College, Tokorozawa, Saitama 359-8513, Japan)

◆ **JPFSM : Vol. 4, No.4 (September, 2015): 7 papers**

<**Review Articles**>

1. **Does self-recognition of one's own fall recruit genuine bodily crisis-related brain activity?**, **Yoshiaki Kikuchi** (*Department of Frontier Health Science, Division of Human Health Sciences, Graduate School of Tokyo Metropolitan University, Arakawa-Ku, Tokyo, 116-8551, Japan*)
2. **Beneficial effects of physical exercise on the exocrine pancreas**, **Yoko Shiroya and Kumiko Minato** (*Faculty of Human Ecology, Wayo Women's University, Ichikawa, Chiba 272-8533, Japan*)
3. **Group exercise for adults and elderly: Determinants of participation in group exercise and its associations with health outcome**, **Satoru Kanamori<sup>1,2</sup>, Tomoko Takamiya<sup>1</sup> and Shigeru Inoue<sup>1</sup>** (*<sup>1</sup>Department of Preventive Medicine and Public Health, Tokyo Medical University, Shinjuku-ku, Tokyo 160-8402 and <sup>2</sup>Human Resource Management Department, ITOCHU Techno-Solutions Corporation, Shinagawa-ku, Tokyo 141-8522, Japan*)
4. **Current review of intervention studies on obesity and the role of physical activity in weight control**, **Yoshio Nakata<sup>1</sup> and Hiroyuki Sasai<sup>1,2</sup>** (*<sup>1</sup>Faculty of Medicine, University of Tsukuba, Tsukuba, Ibaraki 305-8575 and <sup>2</sup>Japan Society for the Promotion of Science, Kojimachi Business Center Building, Chiyoda-ku, Tokyo 102-0083, Japan*)

<**Short Review Articles**>

5. **Cardiovascular responses of blood pressure hyperreactors to the cold pressor test and exercise**, **Hirotohi Ifuku** (*Department of Physical Education, Faculty of Education, Kumamoto University, Chuo-ku, Kumamoto City 860-8555, Japan*)
6. **Effect of thiamin (vitamin B<sub>1</sub>) on carbohydrate metabolism at rest and during exercise**, **Hiroyuki Masuda<sup>1</sup>, Tsuyoshi Masuda<sup>2</sup> and Hideo Hatta<sup>3</sup>** (*<sup>1</sup>Department of Health and Nutrition, Niigata University of Health and Welfare, Kita-ku, Niigata City, Niigata 950-3198, <sup>2</sup>Department of Environmental Simulation, Institute for Environmental Sciences, Rokkasho, Aomori 039-3212 and Department of Sports Sciences, The University of Tokyo, Meguro-ku, Tokyo 153-8902, Japan*)
7. **Adaptative changes and contractile properties of skeletal muscle: Significance and problems of tension measurement**, **Norikatsu Kasuga** (*Department of Health*

and Physical Education, Aichi University of Education, Kariya-city, Aichi 448-8542, Japan)

◆ **JPFSM : Vol. 4, No. 5 (November, 2015) : 4 papers**

<**Review Articles**>

1. **Metabolic plasticity in sarcopenia, Kazuhiro Shigemoto, Norio Motohashi and Shuuichi Mori** (*Department of Geriatric Medicine, Tokyo Metropolitan Institute of Gerontology, Itabashi-ku, Tokyo 173-0015, Japan*)
2. **Stress-induced blood pressure reactivity and cardiovascular disease risk, Ryoko Sone<sup>1</sup>, Nobusuke Tan<sup>1</sup> and Fumio Yamazaki<sup>2</sup>** (*<sup>1</sup>Department of Exercise and Health Sciences, Yamaguchi University, Yamaguchi City, Yamaguchi 753-8513, and <sup>2</sup>Faculty of Nursing and Nutrition, Yamaguchi Prefectural University, Yamaguchi City, Yamaguchi 753-8502, Japan*)

<**Short Review Articles**>

3. **Roles of the histone methyltransferase G9a in the development and differentiation of mesenchymal tissues, Hisashi Ideno, Kazuhisa Nakashima and Akira Nifuji** (*Department of Pharmacology, School of Dental Medicine, Tsurumi University, Tsurumi, Tsurumi-ku, Yokohama 230-8501, Japan*)
4. **Attenuating effects of clenbuterol,  $\beta_2$ -agonist, on immobilization- induced atrophy of rat hindlimb muscle fibers: A morphological analysis, Hideki Suzuki<sup>1</sup> and Takashi Kitauro<sup>2</sup>** (*<sup>1</sup>Department of Health and Physical Education, Aichi University of Education, 1 Hirosawa, Igaya-cho, Kariya, Aichi 448-8542 and <sup>2</sup>Laboratory of Exercise Biochemistry, Division of Sports Education, Health Service Center, Kanazawa University, Kakuma, Kanazawa, Ishikawa 920-1192, Japan*)