

# 平成 27 年度 研究業績集

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神戸大学  
大学院保健学研究科・医学部保健学科

Scientific Achievement of Kobe University  
Faculty of Health Sciences  
Kobe University School of Medicine

# 保健学研究科・保健学科 研究業績集

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※ 研究科内(分野)共著

## 英文

### 原著論文

- (1) Honda J, Hohashi N: The Environment and Support Needs of Japanese Families on Temporary Work Assignments in the United States. *J Transcult Nurs.* 2015;26:376-85.
- (2) Shimizu A, Nishiumi H, Okumura Y, Watanabe K: Depressive symptoms and changes in physiological and social factors 1 week to 4 months postpartum in Japan. *J Affect Disord.* 2015;179:175-82.
- (3) Kobayashi K, Hayakawa A, Hohashi N: Interrelations between siblings and parents in families living with children with cancer. *J Fam Nurs.* 2015;21(1):119-48.
- (4) Hohashi N, Honda J: Concept development and implementation of Family Care/Caring Theory in Concentric Sphere Family Environment Theory. *Open J Nurs.* 2015; 05(09):749-757.
- (5) Qiuzi Y, Honda J, Hohashi N: Development of an assessment tool for domestic elder abuse: Creation of items from a literature review. *Adv Aging Res.* 2015;4(4):195-204.
- (6) Honda J, Nakai Y, Kakazu S, Hohashi N: Factors Affecting the Perception of Family Functioning among Couples in Child-Rearing Japanese Families. *Open J Nurs.* 2015;05(05):407-415.

- (7) Sakamoto M, Nagao N, Shiraishi S: Possibility of Subjective Quality of Life Improvement during Individual Music Intervention in Elderly People with Severe Dementia : The Pilot Study. *Austin J Nurs Health Care*. 2015;2(1):1015.

# 【病態解析学 Biophysics】

## 英文

### 原著論文

- (1) Adachi Y, Hino T, Ohsawa M, Ueki K, Murao T, Li M, Cui Y, Okigaki M, Ito M, Ikehara S: A case of CD10-negative angioimmunoblastic T cell lymphoma with leukemic change and increased plasma cells mimicking plasma cell leukemia: A case report. *Oncol Lett.* 2015;10(3):1555-1560.
- (2) Matsuda T, Iwasaki M, Yoshioka N, Hirota Y, Hamaguchi H, Kido Y, Sakaguchi K, Ogawa W: A case of hemiplegia with hypoglycemia possibly associated with hemodynamic change. *Diabetol Int.* 2015;6:336-340.
- (3) Kanno A, Asahara S, Masuda K, Matsuda T, Kimura-Koyanagi M, Seino S, Ogawa W, Kido Y: Compensatory hyperinsulinemia in high-fat diet-induced obese mice is associated with enhanced insulin translation in islets. *Biochem Biophys Res Commun.* 2015;458(3):681-6.
- (4) Inoue T, Aoyama-Ishikawa M, Kamoshida S, Nishino S, Sasano M, Oka N, Yamashita H, Kai M, Nakao A, Kotani J, Usami M: Endogenous interleukin 18 regulates testicular germ cell apoptosis during endotoxemia. *Reproduction.* 2015;150(2):105-14.

- (5) Nakarai C, Osawa K, Akiyama M, Matsubara N, Ikeuchi H, Yamano T, Hirota S, Tomita N, Usami M, Kido Y: Expression of AKR1C3 and CNN3 as markers for detection of lymph node metastases in colorectal cancer. *Clin Exp Med.* 2015;15(3):333-41
- (6) Inaba Y, Furutani T, Kimura K, Watanabe H, Haga S, Kido Y, Matsumoto M, Yamamoto Y, Harada K, Kaneko S, Oyadomari S, Ozaki M, Kasuga M, Inoue H: Growth arrest and DNA damage-inducible 34 regulates liver regeneration in hepatic steatosis in mice. *Hepatology.* 2015;61(4):1343-56.
- (7) Usami M, Miyoshi M, Yamashita H: Gut microbiota and host metabolism in liver cirrhosis. *World J Gastroenterol.* 2015;21(41):11597-608.
- (8) Takeda R, Naka A, Ogane N, Kameda Y, Kawachi K, Shimizu S, Kamoshida S: Impact of Expression Levels of Platinum-uptake Transporters Copper Transporter 1 and Organic Cation Transporter 2 on Resistance to Anthracycline/Taxane-based Chemotherapy in Triple-negative Breast Cancer. *Breast Cancer (Auckl).* 2015;9:49-57.
- (9) Inui Y, Matsuoka H, Yakushijin K, Okamura A, Shimada T, Yano S, Takeuchi M, Ito M, Murayama T, Yamamoto K, Itoh T, Aiba, K, Minami H: Methotrexate-associated lymphoproliferative disorders: management by watchful waiting and observation of early lymphocyte recovery after methotrexate withdrawal. *Leuk Lymphoma.* 2015;56(3):577-86.
- (10) Geng X, Mori M: Monosynaptic excitatory transmission from the hippocampal CA1 region to the subiculum. *Neurosci Lett.* 2015;604:42-6.

- (11) Inoue T, Fujiwara T, Rikitake Y, Maruo T, Mandai K, Kimura K, Kayahara T, Wang S, Itoh Y, Sai K, Mori M, Mori K, Mizoguchi A, Takai Y: Nectin-1 spots as a novel adhesion apparatus that tethers mitral cell lateral dendrites in a dendritic meshwork structure of the developing mouse olfactory bulb. *J Comp Neurol.* 2015;523(12):1824-39.
- (12) Fujiwara T, Inoue T, Maruo T, Rikitake Y, Ieki N, Mandai K, Kimura K, Kayahara T, Wang S, Itoh Y, Sai K, Mori M, Mori K, Takai Y, Mizoguchi A: Nectin-1 spots regulate the branching of olfactory mitral cell dendrites. *Mol Cell Neurosci.* 2015;68:143-50.
- (13) Mandai K, Rikitake Y, Mori M, Takai Y: Nectins and nectin-like molecules in development and disease. *Curr Top Dev Biol.* 2015;112:197-231.
- (14) Naka A, Takeda R, Shintani M, Ogane N, Kameda Y, Aoyama T, Yoshikawa T, Kamoshida S: Organic cation transporter 2 for predicting cisplatin-based neoadjuvant chemotherapy response in gastric cancer. *Am J Cancer Res.* 2015;(7):2285-93.
- (15) Asahara S, Etoh H, Inoue H, Teruyama K, Shibutani Y, Ihara Y, Kawada Y, Bartolome A, Hashimoto N, Matsuda T, Koyanagi-Kimura M, Kanno A, Hirota Y, Hosooka T, Nagashima K, Nishimura W, Inoue H, Matsumoto M, Higgins MJ, Yasuda K, Inagaki N, Seino S, Kasuga M, Kido Y: Paternal allelic mutation at the *Kcnq1* locus reduces pancreatic  $\beta$ -cell mass by epigenetic modification of *Cdkn1c*. *Proc Natl Acad Sci U S A.* 2015;112(27):8332-7.
- (16) Cook JR, Langlet F, Kido Y, Accili D: Pathogenesis of Selective insulin resistance in isolated hepatocytes. *J Biol Chem.* 2015;290(22):13972-80.

- (17) Matsuda T, Takahashi H, Mieda Y, Shimizu S, Kawamoto T, Matsuura Y, Takai T, Suzuki E, Kanno A, Koyanagi-Kimura M, Asahara S, Bartolome A, Yokoi N, Inoue H, Ogawa W, Seino S, Kido Y  
: Regulation of Pancreatic  $\beta$  Cell Mass by Cross-Interaction between CCAAT Enhancer Binding Protein  $\beta$  Induced by Endoplasmic Reticulum Stress and AMP-Activated Protein Kinase Activity.  
*PLoS One*. 2015;10(6): e0130757.
- (18) Kakiuchi S, Yakushijin K, Yamamoto K, Tomioka H, Inui Y, Okamura A, Kawamoto S, Minami Y, Murayama T, Ito M, Matsuoka H, Minami H: Rhabdomyolysis Caused by *Candida parapsilosis* in a Patient with Acute Myeloid Leukemia after Bone Marrow Transplantation. *Intern Med*. 2015;54(16): 2057-60.
- ※(19) Shigemura K, Osawa K, Kato A, Tokimatsu I, Arakawa S, Shirakawa T, Fujisawa M: Association of overexpression of efflux pump genes with antibiotic resistance in *Pseudomonas aeruginosa* strains clinically isolated from urinary tract infection patients. *J Antibiot (Tokyo)*. 2015;68(9):568-72.
- ※(20) Shigemura K, Osawa K, Miura M, Tanaka K, Arakawa S, Shirakawa T, Fujisawa M: Azithromycin resistance and its mechanism in *Neisseria gonorrhoeae* strains in Hyogo, Japan.  
*Antimicrob Agents Chemother*. 2015;59(5):2695-9.
- ※(21) Osawa K, Shigemura K, Shirai H, Kato A, Okuya Y, Jikimoto T, Arakawa S, Fujisawa M, Shirakawa T  
: BACTERIAL IDENTIFICATION USING SSRA ENCODING TRANSFER-MESSENGER RNA.  
*Southeast Asian J Trop Med Public Health*. 2015;46(4):720-7.



- ※(22) Nishiokada A, Miyoshi M, Fujiwara M, Aoyama-Ishikawa M, Maeshige N, Takahashi M, Hamada Y, Usami Y, Honda M, Arita M, Usami M: Changes of hepatic lipid mediators associated with intake of high-fat diet for 12 weeks in endotoxemic rats using LC-ESI-MS/MS. *Clin Nutr.* 2015;34(4):685-93.
- ※(23) Fujiwara M, Miyoshi M, Sakai S, Nishiokada A, Aoyama-Ishikawa M, Maeshige N, Usami Y, Hamada Y, Takahashi M, Usami M: Lard-based high-fat diet increases secretory leukocyte protease inhibitor expression and attenuates the inflammatory response of acute lung injury in endotoxemic rats. *Clin Nutr.* 2015;34(5):997-1009.
- ※(24) Osawa K, Shigemura K, Shimizu R, Kato A, Kusuki M, Jikimoto T, Nakamura T, Yoshida H, Arakawa S, Fujisawa M, Shirakawa T: Molecular characteristics of extended-spectrum  $\beta$ -lactamase-producing *Escherichia coli* in a university teaching hospital. *Microb Drug Resist.* 2015;21(2):130-9.
- ※(25) Shigemura K, Osawa K, Yamamichi F, Tanaka K, Tokimatsu I, Arakawa S, Fujisawa M: Optimal vancomycin doses for methicillin-resistant *Staphylococcus aureus* infection in urological renal dysfunction patients. *Int Urol Nephrol.* 2015;47(6):887-91.
- ※(26) Miyoshi M, Iizuka N, Sakai S, Fujiwara M, Aoyama-Ishikawa M, Maeshige N, Hamada Y, Takahashi M, Usami M: Oral tributyrin prevents endotoxin-induced lipid metabolism Disorder. *Clin Nutr.* 2015;10(2):e83-e85.

## 英文

### 原著論文

- (1) Yoshikawa Y, Maeshige N, Sugimoto M, Uemura M, Noguchi M, Terashi H: Positioning bedridden patients to reduce interface pressures over the sacrum and great trochanter. *J Wound Care*. 2015;24(7):319-25.
- (2) Tanaka M, Kanazashi M, Maezawa T, Kondo H, Fujino H : Abnormalities in three-dimensional capillary architecture and imbalance between vascular endothelial growth factor-A and thrombospondin-1 in soleus muscle of ovariectomized rat. *Acta Histochem*. 2015;117(7):605-11.
- (3) Minoda M, Kawamoto T, Ueha T, Kamata E, Morishita M, Harada R, Toda M, Onishi Y, Hara H, Kurosaka M, Akisue T :Antitumor effect of YM155, a novel small-molecule survivin suppressant, via mitochondrial apoptosis in human MFH/UPS. *Int J Oncol*. 2015;47(3):891-9.
- (4) Andoh T, Fujimoto T, Suzuki M, Sudo T, Sakurai Y, Tanaka H, Fujita I, Fukase N, Moritake H, Sugimoto T, Sakuma T, Sasai H, Kawamoto T, Kirihata M, Fukumori Y, Akisue T, Ono K, Chikawa H: Boron neutron capture therapy (BNCT) as a new approach for clear cell sarcoma (CCS) treatment: Trial using a lung metastasis model of CCS. *Appl Radiat Isot*. 2015;106:195-201.

- (5) Otsuka T, Tanemura R, Noda K, Nagao T, Sakai H, Luo, ZhiWei : Brain Activation in Middle-aged Healthy Adults by the Computer-based Cognitive Training Program for Elderly. *Bulletin of health sciences Kobe*. 2015;31:31-44.
- (6) Shimizu D, Tanemura R: Crossover learning of gestures in two ideomotor apraxia patients: A single case experimental design study. *Neuropsychol Rehabil*. 2015:1-18.
- (7) Maeda T, Miura Y, Fukuda K, Hayashi S, Kurosaka M : Decoy receptor 3 regulates the expression of tryptophan hydroxylase 1 in rheumatoid synovial fibroblasts. *Mol Med Rep*. 2015;12(4):5191-6.
- (8) Otsuka T, Tanemura R, Noda K, Nagao T, Sakai H, Luo ZW : Development of Computer-Aided Cognitive Training Program for Elderly and Its Effectiveness through a 6 Months Group Intervention Study. *Curr Alzheimer Res*. 2015;12(6):553-62.
- (9) Tanaka R, Ozawa J, Kito N, Moriyama H : Does exercise therapy improve the health-related quality of life of people with knee osteoarthritis? A systematic review and meta-analysis of randomized controlled trials. *J Phys Ther Sci*. 2015;27(10):3309-14.
- (10) Ishihara A, Nagatomo F, Terada M, Fujino H, Kondo H, Ishioka N: Effects of microgravity on the mouse triceps brachii muscle. *Muscle Nerve*. 2015;52(1):63-8.
- (11) Fusama M, Miura Y, Yukioka K, Kuroiwa T, Yukioka C, Inoue M, Nakanishi T, Murata N, Takai N, Higashi K, Kuritani T, Maeda K, Sano H, Yukioka M, Nakahara H : Psychological state is related to the remission of the Boolean-based definition of patient global assessment in patients with rheumatoid arthritis. *Mod Rheumatol*. 2015;25(5):679-82.

- (12) Yagi N, Kuno K, Fujimoto A, Koezuka S, Nozawa K, Nagata M, Kawasaki Y, Yamaoka Y, Miura Y  
: Relationship between rising motion and trunk function in patients with rheumatoid arthritis.  
*Bulletin of health sciences Kobe.* 2015;31:15-29.
- (13) Fujita N, Fujino H, Sakamoto H, Takegaki J, Deie M  
: Time course of ubiquitin-proteasome and macroautophagy-lysosome pathways in skeletal muscle in rats with heart failure. *Biomed Res.* 2015;36(6):383-92.
- (14) Malinowsky C, Kottorp A, Tanemura R, Asaba E, Nagao T, Noda K, Sagara J, Bontje P, Rosenberg L, Nygard L  
: Validation of the Everyday Technology Use Questionnaire in a Japanese context.  
*Hong Kong Journal of Occupational Therapy*  
2015;26:1-8.
- (15) Hayashi A, Nomura H, Mochizuki R, Ohnuma A, Kimpara T, Suzuki K, Mori E: Writing Impairments in Japanese Patients with Mild Cognitive Impairment and with Mild Alzheimer's Disease. *Dement Geriatr Cogn Dis Extra.* 2015;5(3):309-19.
- ※(16) Nishiokada A, Miyoshi M, Fujiwara M, Aoyama-Ishikawa M, Maeshige N, Takahashi M, Hamada Y, Usami Y, Honda M, Arita M, Usami M: Changes of hepatic lipid mediators associated with intake of high-fat diet for 12 weeks in endotoxemic rats using LC-ESI-MS/MS. *Clin Nutr.* 2015;34(4):685-93.
- ※(17) Fujiwara M, Miyoshi M, Sakai S, Nishiokada A, Aoyama-Ishikawa M, Maeshige N, Usami Y, Hamada Y, Takahashi M, Usami M: Lard-based high-fat diet increases secretory leukocyte protease inhibitor expression and attenuates the inflammatory response of acute lung injury in endotoxemic rats. *Clin Nutr.* 2015;34(5):997-1009.

※(18) Miyoshi M, Iizuka N, Sakai S, Fujiwara M, Aoyama-Ishikawa M, Maeshige N, Hamada Y, Takahashi M, Usami M: Oral tributyrin prevents endotoxin-induced lipid metabolism disorder. *Clin Nutr.* 2015;10(2):e83-e85.

## 英文

### 原著論文

- (1) Matsumura T, Mitani Y, Oki Y, Fujimoto Y, Ohira M, Kaneko H, Kawashima T, Nishio M, Ishikawa A  
: Comparison of Geriatric Nutritional Risk Index scores on physical performance among elderly patients with chronic obstructive pulmonary disease.  
*Heart Lung*. 2015;44(6):534-8.
- (2) Nishiyama M, Nagase H, Tanaka T, Fujita K, Maruyama A, Toyoshima D, Nakagawa T, Taniguchi-Ikeda M, Morioka I, Morisada N, Takada S, Iijima K: Demographics and outcomes of patients with pediatric febrile convulsive status epilepticus. *Pediatr Neurol*. 2015;52(5):499-503.
- (3) Sawa R, Doi T, Asai T, Watanabe K, Taniguchi T, Ono R  
: Differences in trunk control between early and late pregnancy during gait. *Gait Posture*. 2015;42(4):455-9.
- (4) Setou N, Sakaguchi Y, Kurokawa K, Takada S  
: Effectiveness of professional training in bereavement care  
: Survey of Japanese pediatricians supporting families who have lost a child.  
*Pediatr Int*. 2015;57(4):699-705.
- (5) Matsumura T, Takarada K, Oki Y, Fujimoto Y, Kaneko H, Ohira M, Ishikawa A: Long-term Effect of Home Nursing Intervention on Cost and Healthcare Utilization for Patients with Chronic Obstructive Pulmonary Disease  
: A Retrospective Observational Study. *Rehabil Nurs*. 2015;40(6):384-9.

- (6) Ono R, Yamazaki S, Takegami M, Suzukamo Y, Konno S, Kikuchi S, Fukuhara S: Patient-reported disability in the general Japanese population was associated with medical care visits for low back pain, regardless of pain intensity. *J Orthop Sci.* 2015;20(4):742-9.
- (7) Kihara K, Kawasaki Y, Yagi M, Takada S: Relationship between stature and tibial length for children with moderate-to-severe cerebral palsy. *Brain Dev.* 2015;37(9):853-7.
- (8) Kato T, Morisada N, Nagase H, Nishiyama M, Toyoshima D, Nakagawa T, Maruyama A, Fu XJ, Nozu K, Wada H, Takada S, Iijima K: Somatic mosaicism of a CDKL5 mutation identified by next-generation sequencing. *Brain Dev.* 2015;37(9):911-5.
- (9) Hartini S, Hapsara S, Herini SE, Takada S: Verifying the Indonesian version of the Child Behavior Checklist. *Pediatr Int.* 2015;57(5):936-41.

## 英文

### 原著論文

- (1) Yamamichi F, Shigemura K, Behnsawy HM, Yamashita M, Shirakawa T, Fujisawa M: Beta-3 adrenergic receptors could be significant factors for overactive bladder-related symptoms.  
*Int J Clin Exp Pathol.* 2015;8(9):11863-70.
- (2) Sugimoto K, Kim SR, Imoto S, Tohyama M, Kim SK, Matsuoka T, Yano Y, Kudo M, Hayashi Y: Characteristics of Hypovascular versus Hypervascular Well-Differentiated Hepatocellular Carcinoma Smaller Than 2 cm - Focus on Tumor Size, Markers and Imaging Detectability.  
*Dig Dis.* 2015;33(6):721-7.
- (3) Sugimoto K, Kim SR, Kim SK, Imoto S, Tohyama M, Kim KI, Ohtani A, Hatae T, Yano Y, Kudo M, Hayashi Y.  
: Comparison of Daclatasvir and Asunaprevir for Chronic HCV 1b Infection with Telaprevir and Simeprevir plus Peginterferon and Ribavirin, with a Focus on the Prevention of Occurrence and Recurrence of Hepatocellular Carcinoma.  
*Oncology.* 2015;89(2):42-6.
- (4) Izawa KP, Watanabe S, Oka K, Mogamiya T, Tada M, Nakata S, Nitobe S, Yoshizawa K, Hirano Y, Osada N, Omiya K, Shimizu H: Differences in physical performance based on the Geriatric Nutritional Risk Index in elderly female cardiac patients.  
*Aging Clin Exp Res.* 2015;27(2):195-200.



- (5) Aguiar JC, Bolton J, Wanga J, Sacci JB, Iriko H, Mazeika JK, Han ET, Limbach K, Patterson NB, Sedegah M, Cruz AM, Tsuboi T, Hoffman SL, Carucci D, Hollingdale MR, Villasante ED, Richie TL: Discovery of Novel Plasmodium falciparum Pre-Erythrocytic Antigens for Vaccine Development. *PLoS One*. 2015;10(8):e0136109.
- (6) Alim S, Kawabata M, Nakazawa M: Evaluation of disaster preparedness training and disaster drill for nursing students. *Nurse Educ Today*. 2015;35(1):25-31.
- (7) Izawa KP, Watanabe S, Hirano Y, Matsushima S, Suzuki T, Oka K, Kida K, Suzuki K, Osada N, Omiya K, Brubaker PH, Shimizu H, Akashi YJ. : Gender-related differences in maximum gait speed and daily physical activity in elderly hospitalized cardiac inpatients: a preliminary study. *Medicine (Baltimore)*. 2015;94(11):e623.
- (8) Deng L, Chen M, Tanaka M, Ku Y, Itoh T, Shoji I, Hotta H : HCV upregulates Bim through the ROS/JNK signalling pathway, leading to Bax-mediated apoptosis. *J Gen Virol*. 2015;96(9):2670-83.
- (9) Yano Y, Utsumi T, Lusida MI, Hayashi Y: Hepatitis B virus infection in Indonesia. *World J Gastroenterol*. 2015;21(38):10714-20.
- (10) Yamauchi S, Takeuchi K, Chihara K, Sun X, Honjoh C, Yoshiki H, Hotta H, Sada K: Hepatitis C Virus Particle Assembly Involves Phosphorylation of NS5A by the c-Abl Tyrosine Kinase. *J Biol Chem*. 2015;290(36):21857-64.

- (11) Omiya K, Minami K, Sato Y, Takai M, Takahashi E, Hayashi A, Yamauchi M, Suzuki K, Akashi YJ, Osada N, Izawa KP, Watanabe S: Impaired  $\beta$ -cell function attenuates training effects by reducing the increase in heart rate reserve in patients with myocardial infarction.  
*J Cardiol.* 2015;65(2):128-33.
- (12) Asoshima N, Matsuda M, Shigemura K, Honda M, Yoshida H, Oda T, Hiwaki H: Isolation of *Escherichia albertii* from Raw Chicken Liver in Fukuoka City, Japan.  
*Jpn J Infect Dis.* 2015;68(3):248-50.
- (13) An C, Kumabe S, Hotta H, Mochida Y, Nakatsuka M, Ueda K, Matsuda Y, Ueno K, Iwai Y: Loss of FAM20A protein induces Amelogenesis Imperfecta in mice.  
*Integr Mol Med.* 2015;2(4):219-222.
- (14) Sianipar IR, Matsui C, Minami N, Gan X, Deng L, Hotta H, Shoji I: Physical and functional interaction between hepatitis C virus NS5A protein and ovarian tumor protein deubiquitinase 7B. *Microbiol Immunol.* 2015;59(8):466-76.
- (15) Tachibana M, Suwanabun N, Kaneko O, Iriko H, Otsuki H, Sattabongkot J, Kaneko A, Herrera S, Torii M, Tsuboi T : *Plasmodium vivax* gametocyte proteins, Pvs48/45 and Pvs47, induce transmission-reducing antibodies by DNA immunization.  
*Vaccine.* 2015;33(16):1901-8.
- (16) Nukuzuma S, Sugiura S, Nakamichi K, Kameoka M, Nukuzuma C, Tasaki T, Takegami T: Replication of IMR-32-adapted JC virus clones in human embryonic kidney cells.  
*Microbiol Immunol.* 2015;59(4):238-42.

- (17) Kasahara Y, Izawa KP, Watanabe S, Osada N, Omiya K : The Relation of Respiratory Muscle Strength to Disease Severity and Abnormal Ventilation During Exercise in Chronic Heart Failure Patients. *Res Cardiovasc Med.* 2015;4(4):e28944.
- (18) Verathamjamras C, Tian YS, Kawashita N, Okamoto K, Yasunaga T, Ikuta K, Motomura K, Takeda N, Takagi T, Kameoka M: Search for Low Molecular Weight Compounds that Inhibit Human Immunodeficiency Virus Type 1 Replication. *J Infect Dis Ther.* 2015;3(3):1-8.
- (19) Chen M, Gan X, Deng L, Hotta H: The NS5A protein of hepatitis C virus transcriptionally upregulates the AGR3 gene expression. *Kobe J Med Sci.* 2015;61(1):E27-35.
- (20) Yamani LN, Yano Y, Utsumi T, Juniastuti, Wandono H, Widjanarko D, Triantanoe A, Wasityastuti W, Liang Y, Okada R, Tanahashi T, Murakami Y, Azuma T, Soetjipto, Lusida MI, Hayashi Y: Ultradeep Sequencing for Detection of Quasispecies Variants in the Major Hydrophilic Region of Hepatitis B Virus in Indonesian Patients. *J Clin Microbiol.* 2015;53(10):3165-75.
- (21) El-Bitar AM, Sarhan MM, Aoki C, Takahara Y, Komoto M, Deng L, Moustafa MA, Hotta H: Virocidal activity of Egyptian scorpion venoms against hepatitis C virus. *Virology.* 2015;12:47.
- (22) Yamamichi F, Shigemura K, Behnsawy HM, Yamashita M, Shirakawa T, Fujisawa M: Beta-3 adrenergic receptors could be significant factors for overactive bladder-related symptoms. *Int J Clin Exp Pathol.* 2015;8(9):11863-70.

- (23) Tada Y, Hiroshima K, Shimada H, Morishita N, Shirakawa T, Matsumoto K, Shingyoji M, Sekine I, Tatsumi K, Tagawa M: A clinical protocol to inhibit the HGF/c-Met pathway for malignant mesothelioma with an intrapleural injection of adenoviruses expressing the NK4 gene. *Springerplus*. 2015;4:358.
- (24) Shigemura K, Osawa K, Kato A, Tokimatsu I, Arakawa S, Shirakawa T, Fujisawa M: Association of overexpression of efflux pump genes with antibiotic resistance in *Pseudomonas aeruginosa* strains clinically isolated from urinary tract infection patients. *J Antibiot (Tokyo)*. 2015;68(9):568-72.
- (25) Shigemura K, Osawa K, Miura M, Tanaka K, Arakawa S, Shirakawa T, Fujisawa M: Azithromycin resistance and its mechanism in *Neisseria gonorrhoeae* strains in Hyogo, Japan. *Antimicrob Agents Chemother*. 2015;59(5):2695-9.
- ※(26) Shigemura K, Osawa K, Kato A, Tokimatsu I, Arakawa S, Shirakawa T, Fujisawa M: Association of overexpression of efflux pump genes with antibiotic resistance in *Pseudomonas aeruginosa* strains clinically isolated from urinary tract infection patients. *J Antibiot (Tokyo)*. 2015;68(9):568-72.
- ※(27) Shigemura K, Osawa K, Miura M, Tanaka K, Arakawa S, Shirakawa T, Fujisawa M: Azithromycin resistance and its mechanism in *Neisseria gonorrhoeae* strains in Hyogo, Japan. *Antimicrob Agents Chemother*. 2015;59(5):2695-9.
- ※(28) Osawa K, Shigemura K, Shirai H, Kato A, Okuya Y, Jikimoto T, Arakawa S, Fujisawa M, Shirakawa T : BACTERIAL IDENTIFICATION USING SSRA ENCODING TRANSFER-MESSENGER RNA. *Southeast Asian J Trop Med Public Health*. 2015;46(4):720-7.

- ※(29) Osawa K, Shigemura K, Shimizu R, Kato A, Kusuki M, Jikimoto T, Nakamura T, Yoshida H, Arakawa S, Fujisawa M, Shirakawa T: Molecular characteristics of extended-spectrum  $\beta$ -lactamase-producing *Escherichia coli* in a university teaching hospital.  
*Microb Drug Resist.* 2015;21(2):130-9.
- ※(30) Shigemura K, Osawa K, Yamamichi F, Tanaka K, Tokimatsu I, Arakawa S, Fujisawa M: Optimal vancomycin doses for methicillin-resistant *Staphylococcus aureus* infection in urological renal dysfunction patients.  
*Int Urol Nephrol.* 2015;47(6):887-91.