

ASAHIKAWA MEDICAL UNIVERSITY RESEARCH BULLETIN VOL. 14

CONTENTS

Commissions		
Cathepsin-like cysteine peptidases of <i>Echinococcus multilocularis</i>	SAKO Yasuhito	2
Recent progress in medical education in Japan, for WFME global standards...MAKITA Yoshio, INOUE Hiroyasu		13
The essence of palliative care -its history and supporting decision-making.....ABE Yasushi		19
New Findings of Retinal Circulation	SOGAWA Kenji	26
Essay	SHIMIZU Tetsuya	30
Commissions		
An Outline of "Sekiba-Samejima Library" owned by Asahikawa Medical University Library... FUJIO Hitoshi		36
2011/2012 Innovative Research in Life Science		
1) Understanding the molecular genetic basis of congenital hypothyroidism	MATSUO Kumihiko	43
2) Retinal transplantation of dental pulp cells as a new donor cell	TAKAMIYA Akira	45
3) An utilization of SUV navigator interface for precise measurement of SUV on F-18 FDG PET/CT.	OIKAWA Kensuke	47
4) Role of microglia-derived CNTF on remyelination	TANAKA Tatsuhide	48
5) New approaches to understanding the mechanism of ER-associated degradation by using experimental techniques in endocrinology	BOCHIMOTO Hiroki	49
6) Elucidation of the contractile mechanism of intraocular smooth muscle using gene knockout mice	AKAO Teppei	50
7) Divergent Firing Properties of Output Neurons between Main and Accessory Olfactory Bulbs.	NOGUCHI Tomohiro	50
8) An anti-platelet effect of ONO-1301 after repeated administration..... KASHIWAGI Hitoshi		52
9) Development of Adeno-associated virus (AAV)-induced gene expression system in mouse liver tumor model	YAMAMOTO Masahiro	53
10) The functional role of MDL-1 in the activation of neutrophils, alveolar macrophages, and peritoneal macrophages)	AOKI Naoko	54
11) Analysis of Knock-out mice to determine the role of Collectin CL-K1 during developmental stage.	MORI Kenichiro	56
12) Effects of prenatal yoga on perinatal outcomes..... KAWANISHI Yasuyuki		57
13) Formaldehyde exposure in food affected intestinal immune system and carcinogenesis	NAKAGI Yoshihiko	58
14) Specification of the determinants for host specificity of human-infecting <i>Taenia</i> tapeworms by the comparative genomics using next generation sequencer.YANAGIDA Tetsuya		60
15) Pre-clinical study on the development of a new drug for the treatment of intestinal fibrosis using probiotics-derived molecule	KASHIMA Shin	61
16) Pharmacokinetic and pharmacodynamic analysis of immunosuppressive drugs in living donor liver transplantation	TANIGUCHI Masahiko	62
17) Correlation Between Plasma AGEs-RAGE and Retinal Hemodynamics in Patients With Type 2 Diabetes	SATO Eiichi	65
18) The function of Epstein-Barr virus-encoded microRNAs in nasal NK/T-cell lymphoma	KOMABAYASHI Yuhki	66
19) Analysis of the cause on male infertility and habitual abortion and their application to clinical medicine	UEDA Hiroto	69
20) "An utilization of SUV navigator interface for precise measurement of SUV on F-18 FDG PET/CT."	OKIZAKI Atsutaka	69
21) Research of progression factors on response to hemodynamic Wall shear stress in the Carotid artery stenosis	IMITSUI Nobuyuki	71
22) The effect of bone repair by intravenous injection of adipose tissue derived stem cells	TAKEKAWA Masanori	73
23) Effect of the cognitive function improvement trial	SAKUNAMI Akiko	75
24) Analysis of the specific motion of the sports injuries (jumper's knee)	OBARA Kazuhiro	77
25) Hemodynamics in asymmetrical branching networks of the human retina	TAKAHASHI Tatsuhisa	78
26) Lateral wedge insoles for medial knee osteoarthritis: the dose-effect relationship.YOSHIDA Naoki		80
27) Analysis of neuronal death mechanism and search for novel therapeutic agent in sporadic amyotrophic lateral sclerosis.SAWADA Jun		81
28) Establishing methods of utilizing atelocollagen sheet for cardiac stem cell transplantation	SHIMAMURA Kohei	83
2012 Innovative Research in Life Science		
Molecular analysis of the mechanism for inhibitory function of immunosuppressive macrophage	AZUMA Hiroshi	85
Functional electrical stimulation restores mobility of the paralyzed larynx	KATADA Akihiro	88
Development and clinical investigation of color fluoro-endoscopic dyagnosis system to obtain the Drugs, Cosmetics and Medical Instruments Act approval	OHSAKI Yoshinobu	91
JICA Maternal and Child Health Training Course	KURODA Midori	94
Review of 6th JICA Training Course Health Administration for Regional Health Officer for African Countries	FUJII Tomoko, YOSHIDA Takahiko, ITO Toshihiro, KITAMURA Kumiko	101
NewsIWASAKI Hiroshi / OHSAKI Yoshinobu / HARAGUCHI Makiko / MASUDA Yumiko / UEDA Junko		108
Students's pages	YOSHIMURA Akihito	117
Books	TAKAHASHI Kohji / SUZUKI Akihiro	120
Material	FUJIO Hitoshi	123
Editor's Note / Cover Story		127