

Geriatrics and Vascular Medicine

1. Staffs and Students (April, 2009)

Professor	Kentaro SHIMOKADO, MD	
Junior Associate Professor	Eiji KANEKO, MD	
Assistant Professor	Akio KAWAKAMI, MD	
Hospital Staff	Yasuko ABE, MD,	Masumi AI, MD.
Graduate Student	Daisuke IIZUKA, Takashi KUBO, Hideki TATSUKAWA, Yasuko ABE, Mizuki IWAMA	Haruaki ITAKURA, Yusuke KOMI, Sumihiko HAGITA, Haruko USHIO,

2. Purpose of Education

- 1) Undergraduate education of medical students with a particular emphasis on geriatrics
- 2) Development of research on aging and age-related diseases with a particular emphasis on research of atherosclerosis

3. Research Subjects

- 1) Cell biological mechanisms of atherogenesis
- 2) Mechanisms involved in dyslipidemia
- 3) Mechanisms of aging and age-related diseases
- 4) Undergraduate and postgraduate education in geriatrics

4. Clinical Services

As a division of the Department of Internal Medicine, we are taking care of elderly patients who are better treated by us rather than by highly specialized experts both at the outpatient clinics and the ward of our university hospital. We also provide subspecialty service such as oriental herbal medicine, mononuclear cell transplantation for PAD, and dyslipidemia clinic.

5. Publications (English)

1. Chiba T, Han CY, Vaisar T, Shimokado K, Kargi A, Chen MH, Wang S, McDonald TO, O'Brien KD, Heinecke JW, Chait A. Serum amyloid A3 does not contribute to circulating SAA levels. *J Lipid Res.* 2009;50:1353-1362.
2. Tatsukawa H, Fukaya Y, Frampton G, Martinez-Fuentes A, Suzuki K, Kuo TF, Nagatsuma K, Shimokado K, Okuno M, Wu J, Iismaa S, Matsuura T, Tsukamoto H, Zern MA, Graham RM, and Kojima S. Role of Transglutaminase 2 in Liver Injury via Crosslinking and Silencing of Transcription Factor, Sp1. *Gastroenterology* 2009;136:1783-1795
3. Komi Y, Suzuki Y, Shimamura M, Kajimoto S, Nakajo S, Masuda M, Shibuya M, Itabe H, Shimokado K, Oettgen P, Nakaya K, Kojima S. Mechanism of inhibition of tumor angiogenesis by beta-hydroxyisovalerylshikonin. *Cancer Sci.* 2009;100:269-277
4. Ai M, Tanaka A, Shimokado K, Inazu A, Kobayashi J, Mabuchi H, Nakano T, Nakajima K. A deficiency of cholesterol ester transfer protein whose remnant-like particle (RLP)-triglyceride significantly increased, but RLP-Cholesterol did not after an oral fat load. *Annals of Clinical Biochemistry* 2009;46: 457-463
5. Kawakami A, Yoshida M. Apolipoprotein CIII Links Dyslipidemia with Atherosclerosis. *J Atheroscler Thromb.* 2009;16:6-11
6. Miki S. Helping Japanese Medical Researchers Reduce Errors in Writing Research Papers in English by Introducing a Self-Improvement Support System. *Journal of Medical English Education* 2009;8:35-43
7. Otokozawa S, Ai M, van Himbergen T, Asztalos BF, Tanaka A, Stein EA, Jones PH, Schaefer EJ. Effects of Intensive Atorvastatin and Rosuvastatin Treatment on Apolipoprotein B-48 and Remnant Lipoprotein Cholesterol Levels. *Atherosclerosis* 2009; 205:197-201
8. Otokozawa S, Ai M, Diffenderfer MR, Tanaka A, Lamon-Fava S, Scafer EJ. Fasting and Postprandial Apolipoprotein B-48 Levels in Normal, Obese, and Hyperlipidemic Subjects. *Metabolism* 2009;58 : 1536-1542

6. Meeting abstract (English)

1. Hirano T, Koba S, Tanaka A, Taira T, Ito Y. A simple and precise method for measuring HDL-cholesterol

- subfractions, and its clinical significance. The Xvth International Symposium on Atherosclerosis, Boston June 14-18, 2009
2. Kaneko E, Abe Y, Kawakami A, Shimokado K. Peripheral blood mononuclear cell transplantation for patients with peripheral arterial disease. XIXth International Association of Gerontology and Geriatrics World Congress, Paris, July 2009
 3. Kawakami A, Osaka M, Aikawa M, Uematsu S, Akira S, Libby P, Shimokado K, Sacks FM, Yoshida M. Toll-Like Receptor2 Mediates apolipoprotein CIII-induced Monocyte Activation. IX International Symposium on Atherosclerosis Boston, USA June 12, 2009
 4. Kawakami A, Shimokado K, Yoshida M. Apolipoprotein CIII modulates adipocytokine production in 3T3-L1 preadipocytes. IX International Symposium on Atherosclerosis Boston, USA June 12, 2009
 5. Kawakami A, Osaka M, Aikawa M, Uematsu S, Akira S, Libby P, Shimokado K, Sacks FM, Yoshida M. Toll-Like Receptor2 Mediates apolipoprotein CIII-induced Monocyte Activation. Arteriosclerosis, Thrombosis and Vascular Biology Annual Conference Washington, USA April 25, 2009