

## Geriatrics and Vascular Medicine

### 1. Staffs and Students (April, 2010)

Professor	Kentarō SHIMOKADO, MD	
Junior Associate Professor	Eiji KANEKO, MD	
Assistant Professor	Akio KAWAKAMI, MD	
Graduate Student	Haruaki ITAKURA,	Yasuko ABE,
	Haruko USHIO,	Mizuki IWAMA,
	Rie MASUDO,	Norihiko IZUMIMOTO,
	Kenji Toyosima,	Ayumi TOBA

### 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. Abe Y, Kawakami A, Osaka M, Uematsu S, Akira S, Shimokado K, Frank M. Sacks, Yoshida M. Apolipoprotein CIII induces monocyte chemoattractant protein-1 and interleukin-6 expression via toll-like receptor 2 pathway in mouse adipocytes. *Arterioscler Thromb Vasc Biol.* 2010;30:2242-2248
2. Yusuke Komi, Yukihiisa Sogabe, Naoto Ishibashi, Yasufumi Sato, Hisataka Moriwaki, Kentaro Shimokado and Soichi Kojima. Acyclic retinoid inhibits angiogenesis by suppressing the MAPK pathway *Laboratory Investigation* 2010; 90, 52-60
3. Nakamura M, Koyama I, Iso H, Sato S, Okazaki M, Kayamori Y, Kiyama M, Kitamura A, Shimamoto T, Ishikawa Y. Ten-year evaluation of homogeneous low-density lipoprotein cholesterol methods developed by Japanese manufacturers. *J Atheroscler Thromb* 2010;17(12):
4. Sato Y, Uchiki T, Iwama M, Kishimoto Y, Takahashi R, Ishigami A. Determination of Dehydroascorbic Acid in Mouse Tissues and Plasma by Using Tris (2-carboxyethyl) phosphine Hydrochloride as Reductant in Metaphosphoric Acid/Ethylenediaminetetraacetic Acid Solution. *Biol Pharm Bull.* 2010;33:364-9

### 6. Meeting abstract (English)

1. Hagita S, Osaka M, Shimokado K, Yoshida M. Combination of amlodipine and atorvastatin synergistically reduces leukocyte recruitment to mechanically injured mouse femoral artery *Hypertension Research* 2010
2. Hagita S, Osaka M, Shimokado K, Yoshida M. Direct observation of adipose tissue-induced leukocyte recruitment to the artery wall via MCP-1 and MIP-1b -A potential link between obesity and atherosclerosis-1st Molecular Cardiovascular Conference II 2010
3. Hagita S, Osaka M, Shimokado K, Yoshida M. Direct observation of adipose tissue-induced leukocyte recruitment to the artery wall via chemokine signal -A potential link between obesity and atherosclerosis-European Society of Cardiology (ESC) Congress 2010
4. Hagita S, Osaka M, Shimokado K, Yoshida M. Direct observation of adipose tissue-induced leukocyte recruitment to the artery wall via chemokine -A potential link between obesity and atherosclerosis- The 11th US-Japan-Asia Dialogue on Cardiovascular Disease 2010

5. Iwama M, Ishigami A. Histological Analysis of Liver of Senescence Marker Protein 30 (SMP30) and Superoxide Dismutase 1 (SOD1) Knockout Mice. 2010 Japan-Korea 4th Joint Research Project Symposium June 21, 2010
6. Iwama M, Ishigami A. Superoxide Dismutase 1 (Sod1) and SMP30 Knockout Mice Showed Abnormal Lipid Metabolism in the Liver. 2010 Korea-Japan Joint Research Project Symposium: Functional analysis of SMP30 in the regulation of neural stem cells, aging and oxidative stress Jan 11, 2010
7. Kaneko E, Abe Y, Kawakami A, Shimokado K. The importance of geriatric departments for the education of geriatrics at medical schools in Japan American Geriatrics Society Annual Scientific Meeting Orlando U.S.A. May 13, 2010
8. Kawakami A, Osaka M, Aikawa M, Uematsu S, Akira S, Peter Libby, Shimokado K, Frank M Sacks, Yoshida M. Toll-like receptor 2 mediates apolipoprotein CIII-induced monocyte activation. ISHR2010 KYOTO May 13, 2010