# Volumes Contents

### VOLUME 55, ISSUE 1  
**January 2010**

## Reviews

Catheter ablation of atrial fibrillation guided by complex fractionated atrial electrogram mapping of atrial fibrillation substrate. *K. Nademanee, E. Lockwood, N. Oketani, B. Gidney*  


## Original Articles

Concentric left ventricular hypertrophy brings deterioration of systolic longitudinal, circumferential, and radial myocardial deformation in hypertensive patients with preserved left ventricular pump function. *Y. Mizuguchi, Y. Oishi, H. Miyoshi, A. Ichii, N. Nagase, T. Oki*  


Detection of coronary artery disease using delayed strain imaging at 5 min after the termination of exercise stress: Head to head comparison with conventional treadmill stress echocardiography. *T. Takagi, A. Takagi, J. Yoshikawa*

Novel therapeutic option for refractory heart failure in elderly patients with chronic kidney disease by incremental peritoneal dialysis. *M. Nakayama, H. Nakano, M. Nakayama*  


Colestimide, an anion exchange resin agent, can decrease the number of LDL particles without affecting their size in patients with hyperlipidemia. *N. Kishimoto, S. Fujii, H. Chiba, I. Sakuma, H. Tsutsui*  


---

doi:10.1016/S0914-5087(10)00190-5
Relationship between sleep apnea syndrome and sleep blood pressure in patients without hypertension.  
92

Serum beta2-microglobulin concentration as a novel marker to distinguish levels of risk in acute heart failure patients.  
99

Heart failure with preserved versus reduced left ventricular systolic function: A prospective cohort of Shinken Database 2004–2005  
108

Case Reports

Serum beta2-microglobulin concentration as a novel marker to distinguish levels of risk in acute heart failure patients.  
99

Heart failure with preserved versus reduced left ventricular systolic function: A prospective cohort of Shinken Database 2004–2005  
108

Unusual dominant course of left circumflex coronary artery to right coronary artery territory with absent right coronary artery.  
117

A young adult who had undergone coronary artery bypass grafting and abdominal aortic replacement with prosthetic vessel later after incomplete Kawasaki disease.  
Y. Wakisaka, E. Tsuda, T. Asakura  
120

Hemolytic anemia in a patient with hypertrophic obstructive cardiomyopathy.  
T. Kubo, H. Kitaoka, Y. Terauchi, S. Tamura, M. Okawa, N. Yamasaki, T. Yabe, Y.L. Doi  
125

A case of pulmonary stenosis after a repair for tetralogy of Fallot treated with percutaneous pulmonary valvuloplasty using a triple-balloon technique.  
130

Bare metal stent implantation for in-stent restenosis with a drug-eluting stent.  
H. Matsuoka, H. Kawakami, A. Ohshita, T. Kohno, S. Shigemi, H. Okayama, J. Higaki  
135

A unique iatrogenic organized left atrial tachycardia with a gap conduction in previously ablated lesions.  
S. Nakahara, M. Seino, Y. Sakai, K. Takayanagi  
139

Visualization of traumatic tricuspid insufficiency by three-dimensional echocardiography.  
143

Sirolimus-eluting stent implantation for ostial stenosis of left main coronary artery after Bentall operation in aortitis syndrome.  
A. Terasawa, K. Kondo, S. Ishikawa, R. Morimoto, T. Tajika, Y. Hayashi  
147

Letter to the Editor

A case of spontaneous coronary artery dissection who had high titer of anticardiolipin antibody (IgM) treated by emergent surgery.  
T. Celik, A. Ilyisoy, F. Cingoz  
151

VOLUME 55, ISSUE 2  
March 2010

Reviews

Exploring new indications for statins beyond atherosclerosis: Successes and setbacks.  
D.D. Waters  
155

Generator-produced rubidium-82 positron emission tomography myocardial perfusion imaging—From basic aspects to clinical applications.  
K. Yoshinaga, R. Klein and N. Tamaki  
163

Original Articles

Efficacy of N-acetylcysteine and aminophylline in preventing contrast-induced nephropathy.  
T. Kinbara, T. Hayano, N. Ohtani, Y. Furutani, K. Moritani and M. Matsuzaki  
174

Treatment of non-left main bifurcation lesions using the sirolimus-eluting stent: A comparison of chronic outcomes of cross-over single stenting and crush stenting.  
Y. Uchida, K. Wagatsuma and J. Yamazaki  
180
Efficacy of thrombectomy for acute myocardial infarction—Special focus on its efficacy according to different infarct-related arteries. K. Jo, Y. Nakamura, T. Inoue, K. Tanaga and A. Miyazaki

Factors contributing to left atrial enlargement in adults with normal left ventricular systolic function. T. Katayama, N. Fujiwara and Y. Tsuruya

Association of the manganese superoxide dismutase polymorphism with vasospastic angina pectoris. H. Fujimoto, H. Kobayashi, K. Ogasawara, M. Yamakado and M. Ohno


Usefulness of rotational atherectomy for the implantation of drug-eluting stents in the calcified lesions of hemodialysis patients. H. Fujimoto, S. Ishiwata, T. Yamaguchi and M. Ohno


Comprehensive evaluation of the apex beat using 64-slice computed tomography: Impact of left ventricular mass and distance to chest wall. S. Ehara, T. Okuyama, N. Shirai, H. Oe, Y. Matsumura, K. Sugioka, T. Itoh, K. Otani, T. Hozumi, M. Yoshiyama and J. Yoshikawa


Letter to the Editor
Ambient weather conditions and the onset of acute myocardial infarction: The consociation between triggering factors and conventional risk factors. T.C. Turin, N. Rumana, Y. Kita, Y. Nakamura, K. Miura and H. Ueshima

Retraction Notice
Reviews
Effects of statin and lipoprotein metabolism in heart failure. S.-i. Miura, K. Saku

Oral sildenafil: Potential role in heart transplantation. Review of the literature and personal experience. F. Sansone, M. Rinaldi

Original Articles

Design and rationale of a study in Asia of atorvastatin pretreatment in patients undergoing percutaneous coronary intervention for non-ST elevation acute coronary syndromes. J. Ge, Y.-J. Kim, Y.-S. Jang, J. Zhu, I.C. Marschner, W. Lam

Longitudinal Doppler strain measurement for assessment of damaged and/or hibernating myocardium by dobutamine stress echocardiography in patients with old myocardial infarction. H. Fujimoto, H. Honma, T. Ohno, K. Mizuno, S. Kumita

Estimated glomerular filtration rate is an independent predictor for mortality of patients with acute heart failure. A. Takagi, Y. Iwama, A. Yamada, K. Aihara, H. Daida

Efficacy of linear block at the left atrial roof in atrial fibrillation. M. Senga, E. Fujii, S. Sugiuira, S. Yamazato, E. Sugiuira, M. Nakamura, M. Miyahara, M. Ito


A flow-limiting stenosis is the major determinant of exercise-induced myocardial stunning in patients with coronary artery disease. H. Tanaka, T. Chikamori, N. Tanaka, S. Hida, N. Shindo, Y. Igarashi, A. Yamashina


Coronary abnormal response has increased in Japanese patients: Analysis of 17 years’ spasm provocation tests in 2093 cases. S. Sueda, H. Kohno, A. Oshita, H. Fukuda, T. Kondou, K. Yano, T. Ochi, T. Uraoka

Impact of anticoagulant therapy with dual antiplatelet therapy on prognosis after treatment with drug-eluting coronary stents. Y. Uchida, F. Mori, H. Ogawa, A. Takagi, N. Hagiwara

Clinical characteristics in patients showing ischemic electrocardiographic changes during adenosine triphosphate loading single-photon emission computed tomography. Y. Ohtaki, T. Chikamori, S. Hida, H. Tanaka, Y. Igarashi, T. Hatano, Y. Usui, M. Miyagi, A. Yamashina


**Erratum**


**VOLUME 56, ISSUE 1**

**JULY 2010**

**Reviews**

Current management of acute myocardial infarction: Experience from the Korea Acute Myocardial Infarction Registry. D.S. Sim, M.H. Jeong, J.C. Kang 1

Pathophysiology of acute coronary syndrome assessed by optical coherence tomography. T. Akasaka, T. Kubo, M. Mizukoshi, A. Tanaka, H. Kitabata, T. Tanimoto, T. Imanishi 8

**Original Articles**


Influence of the severity of obstructive sleep apnea on heart rate. Y. Kawano, A. Tamura, T. Watanabe, J. Kadota 27

What variables were associated with the inducibility of ventricular fibrillation during electrophysiologic stimulation test in patients without apparent organic heart disease? N. Sugi, A. Shimizu, T. Ueyama, Y. Yoshiga, M. Doi, T. Ohmiya, M. Ohno, M. Yoshida, M. Matsuzaki 35

Differences in left ventricular dyssynchrony between high septal pacing and apical pacing in patients with normal left ventricular systolic function. H. Yoshikawa, M. Suzuki, N. Tezuka, T. Otsuka, K. Sugi 44

Relation between prognosis and myocardial perfusion imaging from the difference of end-point criterion for exercise stress testing: A sub-analysis of the J-ACCESS study. T. Muramatsu, S. Nishimura, A. Yamashina, T. Nishimura, for the J-ACCESS Investigators 51


Effectiveness of a portable device and the need for treatment of mild-to-moderate obstructive sleep-disordered breathing in patients with cardiovascular disease. N. Takama, M. Kurabayashi 73


Correlation between plasma B-type natriuretic peptide levels and left ventricular diastolic function using color kinetic imaging. M. Harada, F. Hara, J. Yamazaki 91
Spiral systolic blood flow in the ascending aorta and aortic arch analyzed by echo-dynamography.  

Rationale and design of the NAGOYA HEART Study: Comparison between valsartan and amlodipine  
regarding morbidity and mortality in patients with hypertension and glucose intolerance.  
K. Matsushita, T. Muramatsu, T. Kondo, K. Maeda, S. Shintani, T. Murohara, on behalf of the NAGOYA  
HEART Study Group  

Systemic inflammation and left atrial thrombus in patients with non-rheumatic atrial fibrillation.  
T. Maehama, H. Okura, K. Imai, K. Saito, R. Yamada, T. Koyama, A. Hayashida, Y. Neishi, T. Kawamoto,  
K. Yoshida  

VOLUME 56, ISSUE 2  
September 2010  

REVIEWS  
Current concepts in mitral valve prolapse—Diagnosis and management. P.M. Shah  
Patent foramen ovale and stroke. S. Homma, M.R. Di Tullio  

Short Communication  
Exercise therapy correlates with improving renal function through modifying lipid metabolism in patients  
with cardiovascular disease and chronic kidney disease. K. Toyama, S. Sugiyama, H. Oka, H. Sumida,  
H. Ogawa  

Original Articles  
Electrocardiographic changes in patients with type A acute aortic dissection. Incidence, patterns and  
underlying mechanisms in 159 cases. K. Hirata, M. Wake, M. Kyushima, T. Takahashi, J. Nakazato,  
H. Mototake, T. Tengan, H. Yasumoto, E. Henzan, M. Maeshiro, H. Asato  

Mean platelet volume is associated with insulin resistance in non-obese, non-diabetic patients with coronary  
artery disease. E. Varol, S. Akcay, M. Ozaydin, D. Erdogan, A. Dogan, A. Altinbas  

Soluble lectin-like oxidized LDL receptor-1 (sLOX-1) as a sensitive and specific biomarker for acute coronary  
syndrome—Comparison with other biomarkers. N. Kume, H. Mitsuoka, K. Hayashida, M. Tanaka,  
G. Kominami, T. Kita  

Characteristics of the conduction of the left atrium in atrial fibrillation using non-contact mapping.  
H. Takashima, K. Kumagai, N. Matsumoto, T. Yasuda, H. Nakashima, Y. Yamaguchi, S. Hida, S. Muraoka,  
C. Mitsutake, S.-I. Miura, K. Saku  

Long-term β-blocker therapy improves diastolic function even without the therapeutic effect on systolic  
function in patients with reduced ejection fraction. S. Tamaki, Y. Sakata, T. Mano, T. Ohtani, Y. Takeda,  
D. Kamimura, Y. Omori, K. Yamamoto  

Complications of pediatric cardiac catheterization and system of catheterization laboratories minimizing  
complications—A Japanese multicenter survey. Y. Mori, M. Nakazawa, T. Yagihara  

A frameshift deletion mutation in the cardiac myosin-binding protein C gene associated with dilated phase  
of hypertrophic cardiomyopathy and dilated cardiomyopathy. N. Hitomi, T. Kubo, H. Kitaoka, T. Hirota,  
T. Hamada, E. Hoshikawa, K. Hayato, M. Okawa, A. Kimura, Y.L. Doi  

Heart rate on admission is an independent risk factor for poor cardiac function and in-hospital death after  
acute myocardial infarction. T. Honda, H. Kanazawa, H. Koga, Y. Miyao, K. Fujimoto  

Clinical manifestations and effects of primary percutaneous coronary intervention for patients with  
delayed pre-hospital time in acute myocardial infarction. T. Nomura, T. Tatsumi, T. Sawada, A. Kojima,  
Y. Urakabe, S. Enomoto-Uemura, S. Nishikawa, N. Keira, T. Nakamura, S. Matoba, H. Yamada,  
A. Matsumuro, T. Shirayama, J. Shiraishi, Y. Kohno, M. Kitamura, K. Furukawa, H. Matsubara, on  
behalf of the AMI-Kyoto Multi-Center Risk Study Group  


Association between coronary spastic angina pectoris and obstructive sleep apnea. A. Tamura, Y. Kawano, S. Ando, T. Watanabe, J. Kadota


**VOLUME 56, ISSUE 3 November 2010**

**Reviews**

Management of valvular mitral regurgitation: The importance of risk stratification. R. Rosenhek, G. Maurer

Roles of atrial natriuretic peptide and its therapeutic use

Y. Saito

**Original Articles**

Test-re-test reproducibility of Doppler echocardiography for assessment of electromechanical dyssynchrony: Implications for heart failure clinic. V. Palmieri, C. Russo, A. Buonomo, G. Cimmino, D. Tartaglione, S. Pezzullo, A. Celentano


Effects of chronic cigarette smoking on endothelial function in young men. K. Ozaki, T. Hori, T. Ishibashi, M. Nishio, Y. Aizawa

Clinical and laboratory characteristics in patients with acute myocardial infarction due to occlusive vasospasm. W. Kim, J.S. Cho, Y.J. Hong, Y. Ahn, M.H. Jeong

Arterial blood pressure in adult Nigerians with sickle cell anemia. N.I. Oguanobi, B.J.C. Onwubere, O.G. Ibegbulam, S.O. Ike, B.C. Anisiuba, E.C. Ejim, O. Agwu

Left ventricular untwisting during left atrial contraction: A marker for chronic left ventricular diastolic dysfunction? Y. Mizuguchi, Y. Oishi, H. Miyoshi, A. Iuchi, N. Nagase, T. Oki


Left atrial volume index as a predictor for occurrence of atrial fibrillation after ablation of typical atrial flutter. Y.-S. Lee, D.W. Hyun, B.C. Jung, Y.K. Cho, S.H. Lee, D.G. Shin, H.S. Park, S.W. Han, Y.N. Kim, KTK Cardiac Electrophysiology Working Group


Waon therapy mobilizes CD34+ cells and improves peripheral arterial disease. T. Shinsato, M. Miyata, T. Kubozono, Y. Ikeda, S. Fujita, S. Kuwahata, Y. Akasaki, S. Hamasaki, H. Fujiwara, C. Tei