

Ueno H, Asanoi H, Yamada K, Oda Y, Takagawa J, Kameyama T, Hirai T, Nozawa T, Takashima T, Inoue H.	Attenuated respiratory modulation of chemoreflex-mediated sympathoexcitation in patients with chronic heart failure	J Card Fail		In press	2004
吉澤 誠, 杉田典大, 田中 明, 増田達哉, 阿部健一, 山家智之, 仁田新一	Mayer波帯域における脈波伝播時間-心拍数間の相互相関を用いた情動反応の定量化	循環制御		In press	2004
Kamiya A, Michikami D, Shiozawa T, Iwase S, Hayano J, Kawada T, Sunagawa K, Mano T.	Bed rest attenuates sympathetic and pressor responses to isometric exercise in antigravity leg muscles in humans.	Am J Physiol (Regul Integr Comp Physiol)	286	R844-R850	2004
Li M, Zheng C, Sato T, Kawada T, Sugimachi M, Sunagawa K.	Vagal nerve stimulation markedly improves long-term survival after chronic heart failure in rats.	Circulation	109	120-124	2004
Yamamoto K, Kawada T, Kamiya A, Takaki H, Miyamoto T, Sugimachi M, Sunagawa K.	Muscle mechanoreflex induces the pressor response by resetting the arterial baroreflex neural arc.	Am J Physiol (Heart Circ Physiol)	286	H1382-H1384	2004
Kamiya A, Michikami D, Iwase S, Hayano J, Kawada T, Sugimachi M, Sunagawa K.	Alpha-adrenergic vascular responsiveness to sympathetic nerve activity is intact after head-down bed rest in humans.	Am J Physiol (Regul Integr Comp Physiol)	286	R151-R157	2004
Tanaka A, Yoshizawa M, Abe K, Takeda H, Ymbe T, Nitta S, Abe Y, Chinzei T, Imachi K.	Open-loop analysis of transfer characteristic from blood pressure to heart rate using an effectively total artificial heart	Artificial Organs	28	109-114	2004
Kashihara K, Kawada T, Li M, Sugimachi M, Sunagawa K.	Bezold-Jarisch reflex blunts arterial baroreflex via the shift of neural arc toward lower sympathetic nerve activity.	Jpn J Physiol	54	395-404	2004
Uemura K, Kawada T, Sugimachi M, Zheng C, Kashihara K, Sato T, Sunagawa K.	A self-calibrating telemetry system for measurement of ventricular pressure-volume relations in conscious, freely moving rats.	Am J Physiol Heart Circ Physiol	287	H2906- H2913	2004
Kashihara K, Kawada T, Uemura K, Sugimachi M, Sunagawa K.	Adaptive predictive control of arterial blood pressure based on a neural network during acute hypotension.	Ann Biomed Eng	32	1365-1383	2004

Sugimachi M, Okamoto H, Hoka S, Sunagawa K.	Faster oscillometric manometry does not sacrifice the accuracy of blood pressure determination.	Blood Press Monit	9	135-141	2004
Yanagiya Y, Sato T, Kawada T, Inagaki M, Tatewaki T, Zheng C, Kamiya A, Takaki H, Sugimachi M, Sunagawa K.	Bionic epidural stimulation restores arterial pressure regulation during orthostasis.	J Appl Physiol	97	984-990	2004
Miyamoto T, Kawada T, Yanagiya Y, Inagaki M, Takaki H, Sugimachi M, Sunagawa K.	Cardiac sympathetic nerve stimulation does not attenuate dynamic vagal control of heart rate via alpha-adrenergic mechanism.	Am J Physiol Heart Circ Physiol	287	H860- H865	2004
Kawada T, Uemura K, Kashihara K, Kamiya A, Sugimachi M, Sunagawa K.	A derivative-sigmoidal model reproduces operating point-dependent baroreflex neural arc transfer characteristics.	Am J Physiol Heart Circ Physiol	286	H2272- H2279	2004
Kawada T, Miyamoto T, Uemura K, Kashihara K, Kamiya A, Sugimachi M, Sunagawa K.	Effects of neuronal norepinephrine uptake blockade on baroreflex neural and peripheral arc transfer characteristics.	Am J Physiol Regul Integr Comp Physiol	286	R1110- R1120	2004
Uemura K, Sugimachi M, Kawada T, Kamiya A, Jin Y, Kashihara K, Sunagawa K.	A novel framework of circulatory equilibrium.	Am J Physiol Heart Circ Physiol	286	H2376- H2385	2004
Li M, Zheng C, Sato T, Kawada T, Sugimachi M, Sunagawa K.	Vagal nerve stimulation markedly improves long-term survival after chronic heart failure in rats.	Circulation	109	120-124	2004
Yamamoto K, Kawada T, Kamiya A, Takaki H, Miyamoto T, Sugimachi M, Sunagawa K.	Muscle mechanoreflex induces the pressor response by resetting the arterial baroreflex neural arc.	Am J Physiol Heart Circ Physiol	286	H1382- H1388	2004
Aiba T, Shimizu W, Inagaki M, Satomi K, Taguchi A, Kurita T, Suyama K, Aihara N, Sunagawa K, Kamakura S.	Excessive increase in QT interval and dispersion of repolarization predict recurrent ventricular tachyarrhythmia after amiodarone.	Pacing Clin Electrophysiol	27	901-909	2004
Yanagiya Y, Sato T, Kawada T, Inagaki M, Tatewaki T, Zheng C, Kamiya A, Takaki H, Sugimachi M, Sunagawa K.	Bionic epidural stimulation restores arterial pressure regulation during orthostasis.	J Appl Physiol	97	984-990	2004

Sakuragi S, Takaki H, Taguchi A, Suyama K, Kurita T, Shimizu W, Kawada T, Ishida Y, Ohe T, Sunagawa K.	Diagnostic value of the recovery time-course of ST slope on exercise ECG in discriminating false-from true-positive ST-segment depressions.	Circ J	68	915-922	2004
Noda T, Shimizu W, Satomi K, Suyama K, Kurita T, Aihara N, Kamakura S.	Classification and mechanism of Torsade de Pointes initiation in patients with congenital long QT syndrome.	Eur Heart J	25	2149-2154	2004
Shimizu W, Horie M, Ohno S, Takenaka K, Yamaguchi M, Shimizu M, Washizuka T, Aizawa Y, Nakamura K, Ohe T, Aiba T, Miyamoto Y, Yoshimasa Y, Towbin JA, Priori SG, Kamakura S.	Mutation site-specific differences in arrhythmic risk and sensitivity to sympathetic stimulation in the LQT1 form of congenital long QT syndrome: multicenter study in Japan.	J Am Coll Cardiol	44	117-125	2004
Noda T, Suyama K, Shimizu W, Satomi K, Otomo K, Okamura H, Kurita T, Aihara N, Kamakura S.	Ventricular tachycardia with figure eight pattern originating from the right ventricle in a patient with cardiac sarcoidosis.	Pacing Clin Electrophysiol	27	561-562	2004
Kandori A, Shimizu W, Yokokawa M, Kamakura S, Miyatake K, Murakami M, Miyashita T, Ogata K, Tsukada K.	Reconstruction of action potential of repolarization in patients with congenital long-QT syndrome.	Phys Med Biol	49	2103-2115	2004
Shimizu W, Noda T, Takaki H, Nagaya N, Satomi K, Kurita T, Suyama K, Aihara N, Sunagawa K, Echigo S, Miyamoto Y, Yoshimasa Y, Nakamura K, Ohe T, Towbin JA, Priori SG, Kamakura S.	Diagnostic value of epinephrine test for genotyping LQT1, LQT2, and LQT3 forms of congenital long QT syndrome.	Heart Rhythm	3	276-283	2004
Kakinuma Y, Zhang Y, Ando M, Sugiura T, Sato T	Effect of electrical modification of cardiomyocytes on transcriptional activity through 5'AMP-activated protein kinase	J Cardiovasc Pharmacol	44	S435-S438	2004

Nishida T, Shimokawa H, Oi K, Tatewaki H, Uwatoku T, Abe K, Matsumoto Y, Kajihara N, Eto M, Matsuda T, Yasui H, Takeshita A, Sunagawa K.	Extracorporeal cardiac shock wave therapy markedly ameliorates ischemia-induced myocardial dysfunction in pigs in vivo.	Circulation	110	3055-3061	2004
Ohtani K, Egashira K, Hiasa K, Zhao Q, Kitamoto S, Ishibashi M, Usui M, Inoue S, Yonemitsu Y, Sueishi K, Sata M, Shibuya M, Sunagawa K.	Blockade of vascular endothelial growth factor suppresses experimental restenosis after intraluminal injury by inhibiting recruitment of monocyte lineage cells.	Circulation	110	2444-2452	2004
Zhao Q, Egashira K, Hiasa K, Ishibashi M, Inoue S, Ohtani K, Tan C, Shibuya M, Takeshita A, Sunagawa K.	Essential role of vascular endothelial growth factor and Flt-1 signals in neointimal formation after periadventitial injury.	Arterioscler Thromb Vasc Biol	24	2284-2289	2004
Sakuragi S, Takaki H, Taguchi A, Suyama K, Kurita T, Shimizu W, Kawada T, Ishida Y, Ohe T, Sunagawa K.	Diagnostic value of the recovery time-course of ST slope on exercise ECG in discriminating false-from true-positive ST-segment depressions.	Circ J	68	915-922	2004
Ito K, Hirooka Y, Sagara Y, Kimura Y, Kaibuchi K, Shimokawa H, Takeshita A, Sunagawa K.	Inhibition of Rho-kinase in the brainstem augments baroreflex control of heart rate in rats.	Hypertension	44	478-483	2004
Ishibashi M, Egashira K, Zhao Q, Hiasa K, Ohtani K, Ihara Y, Charo IF, Kura S, Tsuzuki T, Takeshita A, Sunagawa K.	Bone marrow-derived monocyte chemoattractant protein-1 receptor CCR2 is critical in angiotensin II-induced acceleration of atherosclerosis and aneurysm formation in hypercholesterolemic mice.	Arterioscler Thromb Vasc Biol	24	e174- e178	2004
Aiba T, Shimizu W, Inagaki M, Satomi K, Taguchi A, Kurita T, Suyama K, Aihara N, Sunagawa K, Kamakura S.	Excessive increase in QT interval and dispersion of repolarization predict recurrent ventricular tachyarrhythmia after amiodarone.	Pacing Clin Electrophysiol	27	901-909	2004
Akiyama T, Yamazaki T, Mori H, Sunagawa K.	Simultaneous monitoring of acetylcholine and catecholamine release in the in vivo rat adrenal medulla.	Neurochem Int	44	497-503	2004

Akiyama T, Yamazaki T, Mori H, Sunagawa K.	Effects of Ca ²⁺ channel antagonists on acetylcholine and catecholamine releases in the in vivo rat adrenal medulla.	Am J Physiol Regul Integr Comp Physiol	287	R161- R166	2004
Nishimura S, Yasuda S, Katoh M, Yamada KP, Yamashita H, Saeki Y, Sunagawa K, Nagai R, Hisada T, Sugiura S.	Single cell mechanics of rat cardiomyocytes under isometric, unloaded, and physiologically loaded conditions.	Am J Physiol Heart Circ Physiol	287	H196- H 202	2004
Watanabe H, Sugano T, Sugiura S, Hisada T	Finite Element Analysis of Ventricular Wall Motion and Intra-Ventricular Blood Flow in Heart with Myocardial Infarction.	JSME International Journal	47	1019-1026	2004
Watanabe H, Sugiura S, Hisada T, Kafuku H,	Multi-physics Simulation of left ventricular filling dynamics using fluid-structure interaction finite element method.	Biophysical Journal	87	2074-2085	2004
Yambe T, Abe Y, Imachi K, Shiraishi Y, Shibata M, Yamaguchi T, Wang Q, Duan X, Liu H, Yoshizawa M, Tanaka A, Matsuki H, Sato F, Haga Y, Esashi M, Tabayashi K, Mitamura Y, Sasada H, Umezu M, Matsuda T, Nitta S.	Development of an implantable undulation type ventricular assist device for control of organ circulation	Artificial Organs	28	940-944	2004
Wang Q, Yambe T, Shiraishi Y, Esashi M, Haga Y, Yoshizawa M, Sato F, Matsuki H, Imachi K, Abe Y, Sasada H, Nitta S.	Component engineering for an implantable system	Artificial Organs	28	869-873	2004
Ono T, Miyamura M, Yasuda Y, Ito T, Saito T, Ishiguro T, Yoshizawa M, Yambe T.	Beat-to-beat evaluation of systolic time intervals during bicycle exercise using impedance cardiography	Tohoku J Exp Med	203	17-29	2004
Ueno H, Asanoi H, Yamada K, Oda Y, Takagawa J, Kameyama T, Hirai T, Nozawa T, Takashima S, Inoue H.	Attenuated respiratory modulation of chemoreflex-mediated sympathoexcitation in patients with chronic heart failure	J Cardiac Fail	10	236-243	2004

Oda Y, Asanoi H, Ueno H, Yamada K, Joho S, Kameyama T, Hirai T, Nozawa T, Takashima S, Inoue H.	Pulse-synchronous sympathetic burst power as a new index of sympathoexcitation in patients with heart failure	Am J Physiol	287	H1821-H1827	2004
Yamada K, Asanoi H, Ueno H, Joho S, Takagawa J, Kameyama T, Hirai T, Nozawa T, Inoue H.	Role of sympathoexcitation in enhanced hypercapnic chemosensitivity in patients with heart failure	Am Heart J	148	964-970	2004
佐藤隆幸	神経インターフェイス技法を用いた心不全治療と術中血圧制御	循環制御	25	348-351	2004
佐藤隆幸	バイオニックラットからの提言：迷走神経の電気刺激療法	循環制御	25	23-27	2004
網野真理, 山崎正俊, 中川晴道 他	致死性不整脈に対する lidocaine/nifekalant の併用効果. 活動電位光学マッピングによる実験的検討	Prog in Med	24	2114-2118	2004
中川晴道, 山崎正俊, 奥野友介 他	心室スパイラルリエントリーにおける興奮波面の分裂. 活動電位光シグナルマッピングによるアミオダロン急性効果の検討	Therap Res	25	1654-1656	2004
吉澤 誠, 杉田典大, 田中 明, 増田達哉, 阿部健一, 山家智之, 仁田新一	Mayer波帯域における脈波伝播時間-心拍数間の相互相関を用いた情動反応の定量化	循環制御	25	41-49	2004
吉澤 誠, 田中 明, ポール・オレガリオ, 小川大祐, 阿部健一, 山家智之, 仁田新一	生体情報を利用した人工心臓の循環制御	循環制御	25	342-347	2004
麻野井 英次	慢性心不全治療における心臓交感神経の意義	Mebio	21	116-118	2004
Uemura K, Kawada T, Kamiya A, Aiba T, Hidaka I, Sunagawa K, Sugimachi M.	Prediction of circulatory equilibrium in response to changes in stressed blood volume.	Am J Physiol Heart Circ Physiol		in press	2005

Aiba T, Shimizu W, Inagaki M, Noda T, Miyoshi S, Ding WG, Zankov DP, Toyoda F, Matsuura H, Horie M, Sunagawa K.	Cellular and ionic mechanism for drug-induced long QT syndrome and effectiveness of verapamil.	J Am Coll Cardiol	45	300-307	2005
Tahara N, Takaki H, Taguchi A, Suyama K, Kurita T, Shimizu W, Miyazaki S, Kawada T, Sunagawa K.	Pronounced HR variability after exercise in inferior ischemia: evidence that the cardioinhibitory vagal reflex is invoked by exercise-induced inferior ischemia.	Am J Physiol Heart Circ Physiol	288	H1179- H1185	2005
Zhang D, Ando M, Yamasaki F, Sato T.	Neural reflex hypotension induced by very small dose of hypertonic NaCl solution in anesthetized rats.	Jpn J Physiol		in press	2005
Amino M, Yamazaki M, Nakagawa H et al	Combined effects of nifekalant and lidocaine on the spiral-type reentry in a perfused 2-dimensional layer of rabbit ventricular myocardium.	Circ J		in press	2005
Yamazaki T, Asanoi H, Ueno H, Yamada K, Takagawa J, Kameyama T, Hirai T, Nozawa T, Inoue H.	Circadian dynamics of heart rate and physical activity in patients with heart failure	Clin Exp Hypertens	2	245-253	2005
児玉逸雄, 本莊晴朗, 山本充 他	スパイラル・リエントリーと Na チャネル遮断薬	心電図	25	3-12	2005
Sugimachi M, Sunagawa K	Bionic cardiovascular medicine. Functional replacement of native cardiovascular regulation and the correction of its abnormality.	IEEE Eng Med Biol Mag.	24	24-31	2005
Kawada T, Yamamoto K, Kamiya A, Ariumi H, Michikami D, Shishido T, Sunagawa K, Sugimachi M	Dynamic characteristics of carotid sinus pressure-nerve activity transduction in rabbits.	Jpn J Physiol	55	157-163	2005
Kamiya A, Kawada T, Yamamoto K, Michikami D, Ariumi H, Miyamoto T, Shimizu S, Uemura K, Aiba T, Sunagawa K, Sugimachi M.	Dynamic and static baroreflex control of muscle sympathetic nerve activity (SNA) parallels that of renal and cardiac SNA during physiological change in pressure.	Am J Physiol Heart Circ Physiol	289	H2641- H2648	2005

Kamiya A, Kawada T, Yamamoto K, Michikami D, Ariumi H, Miyamoto T, Uemura K, Sugimachi M, Sunagawa K.	Muscle sympathetic nerve activity averaged over 1 minute parallels renal and cardiac sympathetic nerve activity in response to a forced baroreceptor pressure change.	Circulation	112	384-386	2005
Kamiya A, Hayano J, Kawada T, Michikami D, Yamamoto K, Ariumi H, Shimizu S, Uemura K, Miyamoto T, Aiba T, Sunagawa K, Sugimachi M	Low-frequency oscillation of sympathetic nerve activity decreases during development of tilt-induced syncope preceding sympathetic withdrawal and bradycardia.	Am J Physiol Heart Circ Physiol	289	H1758- H1769	2005
Yamamoto K, Kawada T, Kamiya A, Takaki H, Sugimachi M, Sunagawa K.	Static interaction between muscle mechanoreflex and arterial baroreflex in determining efferent sympathetic nerve activity	Am J Physiol Heart Circ Physiol.	289	H1604- H1609	2005
Kamiya A, Kawada T, Yamamoto K, Michikami D, Ariumi H, Uemura K, Zheng C, Shimizu S, Aiba T, Miyamoto T, Sugimachi M, Sunagawa K.	Resetting of the arterial baroreflex increases orthostatic sympathetic activation and prevents postural hypotension in rabbits.	J Physiol.	566	237-246	2005
Kitagawa H, Yamazaki T, Akiyama T, Sugimachi M, Sunagawa K, Mori H	Microdialysis separately monitors myocardial interstitial myoglobin during ischemia and reperfusion	Am J Physiol Heart Circ Physiol	289	H924-H930	2005
Uemura K, Kawada T, Kamiya A, Aiba T, Hidaka I, Sunagawa K, Sugimachi M.	Prediction of circulatory equilibrium in response to changes in stressed blood volume.	Am J Physiol Heart Circ Physiol.	289	H301-H307	2005
Aiba T, Shimizu W, Inagaki M, Noda T, Miyoshi S, Ding WG, Zankov DP, Toyoda F, Matsuura H, Horie M, Sunagawa K.	Cellular and ionic mechanism for drug-induced long QT syndrome and effectiveness of verapamil.	J Am Coll Cardiol.	45	300-307	2005
Kawada T, Yamazaki T, Akiyama T, Shishido T, Mori H, Sugimachi M	Myocardial interstitial choline and glutamate levels during acute myocardial ischaemia and local ouabain administration	Acta Physiol Scand	184 (3)	187-193	2005
Satomi K, Shimizu W, Takaki H, Suyama K, Kurita T, Aihara N, Kamakura S.	Response of beat-by-beat QT variability to sympathetic stimulation in the LQT1 form of congenital long QT syndrome.	Heart Rhythm	2	149-154	2005

Yagi S, Tsuda E, Shimizu W, Kurita T, Seguchi O, Nonogi H, Kamakura S.	Two adults requiring implantable defibrillators because of ventricular tachycardia and left ventricular dysfunction caused by presumed Kawasaki disease.	Circ J	69	870-874	2005
Fukumoto K, Tanemura M, Tsuchishita Y, Kusumoto M, Matsumoto K, Kamakura S, Ueno K.	Effect of protein binding of pilsicainide on the pharmacokinetics. Drug Metab Pharmacokinet.	J Am Coll Cardiol	20	183-186	2005
Kashima A, Funahashi M, Fukumoto K, Komamura K, Kamakura S, Kitakaze M, Ueno K.	Pharmacokinetic characteristics of amiodarone in long-term oral therapy in Japanese population.	Biol Pharm Bull	28	1934-1938	2005
Noda T, Shimizu W, Taguchi A, Aiba T, Satomi K, Suyama K, Kurita T, Aihara N, Kamakura S.	Malignant entity of idiopathic ventricular fibrillation and polymorphic ventricular tachycardia initiated by premature extrasystoles originating from the right ventricular outflow tract.	J Am Coll Cardiol	46	1288-1294	2005
Shimizu W, Aiba T, Kamakura S.	Mechanisms of disease: current understanding and future challenges in Brugada syndrome.	Nat Clin Pract Cardiovasc Med	2	408-414	2005
Noda T, Shimizu W, Suyama K, Tobiume T, Satomi K, Kurita T, Aihara N, Kamakura S.	Coexistence of the permanent form of junctional reciprocating tachycardia and atrial tachycardia.	Circ J	69	1003-1006	2005
Fukumoto K, Kobayashi T, Komamura K, Kamakura S, Kitakaze M, Ueno K.	Stereoselective effect of amiodarone on the pharmacokinetics of racemic carvedilol.	Drug Metab Pharmacokinet	20	423-427	2005
Otomo K, Noda T, Nakagawa E, Satomi K, Shimizu W, Suyama K, Kurita T, Aihara N, Kamakura S.	Assessment of ability of activation mapping by duodecapolar catheter to diagnose complete isthmus block utilizing electroanatomical mapping system.	J Interv Card Electrophysiol	14	183-192	2005
Ando M, Katare RG, Kakinuma Y, Zhang D, Yamasaki F, Muramoto K, Sato T.	Efferent vagal nerve stimulation protects heart against ischemia-induced arrhythmias by preserving connexin43 protein.	Circulation	112	164-170	2005
Yamasaki F, Furuno T, Sato K, Zhang D, Nishinaga M, Sato T, Doi Y, Sugiura T.	Association between arterial stiffness and platelet activation.	J Hum Hypertens	19	527-533	2005

Kakinuma Y, Ando M, Kuwabara M, Katare RG, Okudela K, Kobayashi M, Sato T.	Acetylcholine from vagal stimulation protects cardiomyocytes against ischemia and hypoxia involving additive nonhypoxic induction of HIF-1 .	FEBS Lett	579	2111-2118	2005
Kudo Y, Kakinuma Y, Mori Y, Morimoto N, Karashima T, Furihata M, Sato T, Shuin T, Sugiura T.	HIF-1 is involved in the attenuation of experimentally induced rat glomerulonephritis.	Nephron Exp Nephrol	100	e95-e103	2005
佐藤隆幸	バイオニック動脈圧反射による血圧コントロール	循環器科	58	600-605	2005
Traub M, Aochi T, Kawada T, Shishido T, Sunagawa K, Knuepfer MM.	Contribution of baroreflex sensitivity and vascular reactivity to variable haemodynamic responses to cocaine in conscious rats.	Clin Exp Pharmacol Physiol	32	911-918	2005
Takaki H, Sakuragi S, Nagaya N, Suzuki S, Goto Y, Sato T, Sunagawa K.	Postexercise VO(2) "Hump" phenomenon as an indicator for inducible myocardial ischemia in patients with acute anterior myocardial infarction.	Int J Cardiol.			2005
Mashiba J, Koike G, Kamiunten H, Ikeda M, Sunagawa K.	Vasospastic angina and microvascular angina are differentially influenced by PON1 A632G polymorphism in the Japanese.	Circ J	69	1466-1471	2005
Sun H, Fukumoto Y, Ito A, Shimokawa H, Sunagawa K.	Coronary microvascular dysfunction in patients with microvascular angina: analysis by TIMI frame count.	J Cardiovasc Pharmacol	46	622-626	2005
Ito K, Hirooka Y, Hori N, Kimura Y, Sagara Y, Shimokawa H, Takeshita A, Sunagawa K.	Inhibition of rho-kinase in the nucleus tractus solitarius enhances glutamate sensitivity in rats.	Hypertension.	46	360-365	2005
Ikeuchi M, Matsusaka H, Kang D, Matsushima S, Ide T, Kubota T, Fujiwara T, Hamasaki N, Takeshita A, Sunagawa K, Tsutsui H.	Overexpression of mitochondrial transcription factor a ameliorates mitochondrial deficiencies and cardiac failure after myocardial infarction	Circulation	112	683-690	2005

Sakai K, Hirooka Y, Shigematsu H, Kishi T, Ito K, Shimokawa H, Takeshita A, Sunagawa K.	Overexpression of eNOS in brain stem reduces enhanced sympathetic drive in mice with myocardial infarction.	Am J Physiol Heart Circ Physiol.	289	H2159- H2166	2005
Ono H, Ichiki T, Ohtsubo H, Fukuyama K, Imayama I, Hashiguchi Y, Sadoshima J, Sunagawa K.	Critical role of Mst1 in vascular remodeling after injury	Arterioscler Thromb Vasc Biol.	25	1871-1876	2005
Matsusaka H, Ikeuchi M, Matsushima S, Ide T, Kubota T, Feldman AM, Takeshita A, Sunagawa K, Tsutsui H.	Selective disruption of MMP-2 gene exacerbates myocardial inflammation and dysfunction in mice with cytokine-induced cardiomyopathy.	Am J Physiol Heart Circ Physiol.	289	H1858- H1864	2005
Kishi T, Hirooka Y, Masumoto A, Ito K, Kimura Y, Inokuchi K, Tagawa T, Shimokawa H, Takeshita A, Sunagawa K	Rho-kinase inhibitor improves increased vascular resistance and impaired vasodilation of the forearm in patients with heart failure	Circulation.	31	2741-2747	2005
Kawano S, Kubota T, Monden Y, Kawamura N, Tsutsui H, Takeshita A, Sunagawa K.	Blockade of NF-kappaB ameliorates myocardial hypertrophy in response to chronic infusion of angiotensin II	Cardiovasc Res.	67	689-698	2005
Kawamura N, Kubota T, Kawano S, Monden Y, Feldman AM, Tsutsui H, Takeshita A, Sunagawa K.	Blockade of NF-kappaB improves cardiac function and survival without affecting inflammation in TNF-alpha-induced cardiomyopathy.	Cardiovasc Res.	66	520-529	2005
Nishimura S, Yamashita H, Katoh M, Yamada KP, Sunagawa K, Saeki Y, Ohnuki Y, Nagai R, Sugiura S	Contractile dysfunction of cardiomyopathic hamster myocytes is pronounced under high load conditions.	J Mol Cell Cardiol.	39	321-329	2005
Fujiki T, Shimokawa H, Morikawa K, Kubota H, Hatanaka M, Talukder MA, Matoba T, Takeshita A, Sunagawa K	Endothelium-derived hydrogen peroxide accounts for the enhancing effect of an angiotensin-converting enzyme inhibitor on endothelium-derived hyperpolarizing factor-mediated responses in mice.	Arterioscler Thromb Vasc Biol.	25	766-771	2005
Washio, T. Hisada, H. Watanabe, T.E. Tezduyar	A robust preconditioner for fluid-structure interaction problems,	Computer Methods in Applied Mechanics and Engineering	Vol. 194, Issue 39-41	4027-4047	2005

Amino M, Yamazaki M, Nakagawa H et al	Combined effects of nifekalant and lidocaine on the spiral-type reentry in a perfused 2-dimensional layer of rabbit ventricular myocardium	Circ J	69	576-584	2005
Kodama I, Honjo H, Yamazaki M et al	Optical imaging of spiral-type excitations in 2-dimentional layer of ventricular myocardium	J Electrocardiol	38 Suppl	126-130	2005
児玉逸雄, 本莊晴朗	心室スパイラル・リエントリーに対する抗不整脈薬の作用	日本薬理学会誌	126	267-272	2005
本莊晴朗, 児玉逸雄	光学マッピングによる心房細動機序の可視化	循環器科	58	15-23	2005
Shioiri T, Kojima-Maruyama M, Hosoki T, Kitamura H, Tanaka A, Yoshizawa M, Bando T, Someya T	Dysfunctional baroreflex regulation of sympathetic nerve activity in remitted patients with panic disorder A new methodological approach	Eur Arch Psychiatry Clin Neurosci	255 (5)	293-8	2005
吉澤 誠, 田中 明, ポール・オレガリオ, 小川大祐, 阿部健一, 山家智之, 仁田新一	脳と心による心臓の制御	Brain Medical	17 (4)	27-35	2005
Yoshizawa M, Inagaki M, Uemura K, Sugimachi M, Sunagawa K.	Development of Detection Algorithm of Fatal Arrhythmia for a New Implantable Cardioverter Defibrillator	Proceedings of the 2005 IEEE			2005
Yamazaki T, Asanoi H, Ueno H, Yamada K, Takagawa J, Kameyama T, Hirai T, Ishizaka S, Nozawa T, Inoue H.	Central sympathetic inhibition augments sleep-related ultradian rhythm of parasympathetic tone in patients with chronic heart failure.	Circ J	69	1052-1056	2005
Sugao M, Fujiki A, Nishida K, Sakabe M, Tsuneda T, Iwamoto J, Mizumaki K, Inoue H.	Repolarization dynamics in patients with idiopathic ventricular fibrillation: pharmacological therapy with bepridil and disopyramide.	J Cardiovasc Pharmacol	45	545-549	2005
Nonomura M, Nozawa T, Matsuki A, Nakadate T, Igarashi N, Kato B, Fujii N, Igawa A, Asanoi, Kondo T, Inoue H.	Ischemia-induced norepinephrine release, but not norepinephrine- derived free radicals, contributes to myocardial ischemia-reperfusion injury.	Circ J	69	590-595	2005

Michikami D, Kamiya A, Kawada T, Inagaki M, Shishido T, Yamamoto K, Ariumi H, Iwase S, Sugenoja J, Sunagawa K, Sugimachi M.	Short-term electroacupuncture at Zusanli resets the arterial baroreflex neural arc toward lower sympathetic nerve activity.	Am J Physiol Heart Circ Physiol.		In press	2006
Uemura K, Kamiya A, Hidaka I, Kawada T, Shimizu S, Shishido T, Yoshizawa M, Sugimachi M, Sunagawa K.	Automated drug delivery system to control systemic arterial pressure, cardiac output, and left heart filling pressure in acute decompensated heart failure.	J Appl Physiol		In press	2006
Kawada T, Yamazaki T, Akiyama T, Li M, Ariumi H, Mori H, Sunagawa K, Sugimachi M.	Vagal stimulation suppresses ischemia-induced myocardial interstitial norepinephrine release.	Life Sci	78	882-887	2006
Fukumoto Y, Ito A, Uwatoku T, Matoba T, Kishi T, Tanaka H, Takeshita A, Sunagawa K, Shimokawa H.	Extracorporeal cardiac shock wave therapy ameliorates myocardial ischemia in patients with severe coronary artery disease.	Coron Artery Dis	17	63-70	2006
Kinoshita H, Yoshizawa M, Inagaki M, Uemura K, Sugimachi M, Sunagawa k.	Development of an algorithm for early detection of fatal cardiac arrhythmia for implantable cardioverter-defibrillator using a self-organizing map	Proceedings of International Symposium on Bio- and Nano-Electronics,	28	101-102	2006
Kawada T, Kitagawa H, Yamazaki T, Akiyama T, Kamiya A, Uemura K, Mori H, Sugimachi M	Hypothermia reduces ischemia- and stimulation-induced myocardial interstitial norepinephrine and acetylcholine releases	J Appl Physiol	102	622-7	2006
Maruo T, Nakatani S, Jin Y, Uemura K, Sugimachi M, Ueda-Ishibashi H, Kitakaze M, Ohe T, Sunagawa K, Miyatake K.	. Evaluation of transmural distribution of viable muscle by myocardial strain profile and dobutamine stress echocardiography	Am J Physiol Heart Circ Physiol	292	H921-7	2006
Kamiya A, Kawada T, Mizuno M, Miyamoto T, Uemura K, Seki K, Shimizu S, Sugimachi	Baroreflex increases correlation and coherence of muscle sympathetic nerve activity (SNA) with renal and cardiac SNAs.	J Physiol Sci	56	325-33	2006

Kawada T, Miyamoto T, Miyoshi Y, Yamaguchi S, Tanabe Y, Kamiya A, Shishido T, Sugimachi M	Sympathetic neural regulation of heart rate is robust against high plasma catecholamines	J Physiol Scil	56	235-45	2006
Kawada T, Yamazaki T, Akiyama T, Uemura K, Kamiya A, Shishido T, Mori H, Sugimachi M.	Effects of Ca ²⁺ channel antagonists on nerve stimulation-induced and ischemia-induced myocardial interstitial acetylcholine release in cats	Am J Physiol Heart Circ Physiol	291	H2187-91	2006
Aiba T, Shimizu W, Hidaka I, Uemura K, Noda T, Zheng C, Kamiya A, Inagaki M, Sugimachi M, Sunagawa K.	Cellular basis for trigger and maintenance of ventricular fibrillation in the Brugada syndrome model: high-resolution optical mapping	J Am Coll Cardiol	47	2074-85,	2006
Michikami D, Kamiya A, Kawada T, Inagaki M, Shishido T, Yamamoto K, Ariumi H, Iwase S, Sugeno Y, Sunagawa K, Sugimachi M.	Short-term electroacupuncture at Zusanli resets the arterial baroreflex neural arc toward lower sympathetic nerve activity	Am J Physiol Heart Circ Physiol	291	H318-26	2006
Takaki H, Sakuragi S, Nagaya N, Suzuki S, Goto Y, Sato T, Sunagawa K	Postexercise VO ₂ "Hump" phenomenon as an indicator for inducible myocardial ischemia in patients with acute anterior myocardial infarction.	Int J Cardiol	111	67-74	2006
Zhang Y, Kakinuma Y, Ando M, Katare RG, Yamasaki F, Sugiura T, Sato T.	Acetylcholine inhibits the hypoxia-induced reduction of connexin43 protein in rat cardiomyocytes.	J Pharmacol Sci	101	214-222	2006
佐藤隆幸, 砂川賢二	バイオニック治療戦略	循環器専門医	14	9-15	2006
Kuwabara M, Kakinuma Y, Ando M, Katare RG, Yamasaki F, Doi Y, Sato T.	Nitric oxide stimulates vascular endothelial growth factor production in cardiomyocytes involved in angiogenesis.	J Physiol Sci	56	95-101	2006

Yamasaki F, Ushida T, Yokoyama T, Ando M, Yamashita K, Sato T	Artificial baroreflex: Clinical application of a bionic baroreflex system.	Circulation	113	634-639	2006
Ohtani K, Egashira K, Nakano K, Zhao G, Funakoshi K, Ihara Y, Kimura S, Tominaga R, Morishita R, Sunagawa K	Stent-based local delivery of nuclear factor-kappaB decoy attenuates in-stent restenosis in hypercholesterolemic rabbits.	Circulation	114	2773-9	2006
Matsusaka H, Kinugawa S, Ide T, Matsushima S, Shiomi T, Kubota T, Sunagawa K, Tsutsui H	Angiotensin II type 1 receptor blocker attenuates exacerbated left ventricular remodeling and failure in diabetes-associated myocardial infarction.	J Cardiovasc Pharmacol	48	95-102	2006
Hizume T, Morikawa K, Takaki A, Abe K, Sunagawa K, Amano M, Kaibuchi K, Kubo C, Shimokawa H	Sustained elevation of serum cortisol level causes sensitization of coronary vasoconstricting responses in pigs in vivo: a possible link between stress and coronary vasospasm	Circ Res	99	767-75	2006
Ohtani K, Egashira K, Ihara Y, Nakano K, Funakoshi K, Zhao G, Sata M, Sunagawa K.	Angiotensin II type 1 receptor blockade attenuates in-stent restenosis by inhibiting inflammation and progenitor cells	Hypertension	48	664-70	2006
Ito K, Hirooka Y, Kimura Y, Sagara Y, Sunagawa K	Ovariectomy augments hypertension through rho-kinase activation in the brain stem in female spontaneously hypertensive rats.	Hypertension	48	651-7	2006
Imayama I, Ichiki T, Inanaga K, Ohtsubo H, Fukuyama K, Ono H, Hashiguchi Y, Sunagawa K	Telmisartan downregulates angiotensin II type 1 receptor through activation of peroxisome proliferator-activated receptor gamma	Cardiovasc Res.	72	184-90	2006

Nakano K, Egashira K, Tada H, Kohjimoto Y, Hirouchi Y, Kitajima S, Endo Y, Li XH, Sunagawa K	A third-generation, long-acting, dihydropyridine calcium antagonist, azelnidipine, attenuates stent-associated neointimal formation in non-human primates	J Hypertens	24	1881-9	2006
Matsushima S, Kinugawa S, Ide T, Matsusaka H, Inoue N, Ohta Y, Yokota T, Sunagawa K, Tsutsui H	Overexpression of glutathione peroxidase attenuates myocardial remodeling and preserves diastolic function in diabetic heart.	Am J Physiol Heart Circ Physiol	291	H2237-45	2006
Fukuyama K, Ichiki T, Imayama I, Ohtsubo H, Ono H, Hashiguchi Y, Takeshita A, Sunagawa K	Thyroid hormone inhibits vascular remodeling through suppression of cAMP response element binding protein activity.	Arterioscler Thromb Vasc Biol	26	2049-55	2006
Yamada T, Uehara K, Kawanishi R, Mizutani T, Sunagawa K, Araya J, Kawabata Y.	Immunohistochemical detection of ubiquitin-positive intracytoplasmic eosinophilic inclusion bodies in diffuse alveolar damage.	Histopathology	48	846-854	2006
Hirooka Y, Kimura Y, Nozoe M, Sagara Y, Ito K, Sunagawa K	Amlodipine-induced reduction of oxidative stress in the brain is associated with sympatho-inhibitory effects in stroke-prone spontaneously hypertensive rats.	Hypertens Res	29	49-56	2006
Ono H, Ichiki T, Ohtsubo H, Fukuyama K, Imayama I, Iino N, Masuda S, Hashiguchi Y, Takeshita A, Sunagawa K	CAMP-response element-binding protein mediates tumor necrosis factor-alpha-induced vascular cell adhesion molecule-1 expression in endothelial cells.	Hypertens Res.	29	39-47	2006
Kawano S, Kubota T, Monden Y, Tsutsumi T, Inoue T, Kawamura N, Tsutsui H, Sunagawa K	Blockade of NF-kappaB improves cardiac function and survival after myocardial infarction	Am J Physiol Heart Circ Physiol	291	H1337-44	2006

Matsushima S, Ide T, Yamato M, Matsusaka H, Hattori F, Ikeuchi M, Kubota T, Sunagawa K, Hasegawa Y, Kurihara T, Oikawa S, Kinugawa S, Tsutsui H.	Overexpression of mitochondrial peroxiredoxin-3 prevents left ventricular remodeling and failure after myocardial infarction in mice	Circulation	113	1779-86	2006
Zheng C, Kawada T, Li M, Sato T, Sunagawa K, Sugimachi M.	Reversible vagal blockade in conscious rats using a targeted delivery device.	J Neurosci Methods	156	71-75	2006
Matsusaka H, Ide T, Matsushima S, Ikeuchi M, Kubota T, Sunagawa K, Kinugawa S, Tsutsui H.	Targeted deletion of p53 prevents cardiac rupture after myocardial infarction in mice	Cardiovasc Res	70	457-465	2006
Matsusaka H, Ide T, Matsushima S, Ikeuchi M, Kubota T, Sunagawa K, Kinugawa S, Tsutsui H	Targeted deletion of matrix metalloproteinase 2 ameliorates myocardial remodeling in mice with chronic pressure overload.	Hypertension	47	711-717	2006
Nishimura S, Nagai S, Katoh M, Yamashita H, Saeki Y, Okada J-I, Hisada T, Nagai R, Sugiura S	Microtubules modulate the stiffness of cardiomyocytes against shear stress	Circulation Research	98	81-87	2006
Yuan Chen, Xian Chen, Toshiaki Hisada	Non-linear Finite Element Analysis of Mechanical Electrochemical Phenomena in Hydrated Soft Tissues Based on Triphasic Theory	International Journal for Numerical Methods in Engineering	65	147-173	2006

久田俊明 鷺尾巧	心臓弁の流体構造連成シミュレーション法に関する数理的考察	応用数理	16	36-50	2006
Nobuko Koshiba, Joji Ando, Xian Chen, Toshiaki Hisada	Multi-Physics Simulation of Blood Flow and LDL Transport in a Porohyperelastic Arterial Wall Model	ASME Journal of Biomechanical Engineering			
児玉逸雄 本莊晴朗	薬物による心室スパイラル・リエントリーの制御ー高分解能光学マッピング実験による解析.	医学のあゆみ	217	717-722	2006
Daisuke Ogawa, Makoto Yoshizawa, Akira Tanaka, Ken-ichi Abe, Paul Oregario, Tadashi Motomura, Hisashi Okubo, Takeshi Oda, Toshiya Okahisa, Steohen R. Igo, Yukihiko Nose	Indirect flow measurement of the NEDO PI gyro pump for Chronic BVAD experiments	ASAIO J	52	266-271	2006
Nakadate T, Nozawa T, Matsuki A, Nonomura M, Igarashi N, Igawa A, Inoue H.	Brief episode of myocardial ischemia before prolonged ischemia attenuates cardiac sympathetic nerve injury.	Circ J.	70	919-925	2006
Igarashi N, Nozawa T, Fujii N, Suzuki T, Matsuki A, Nakadate T, Igawa A, Inoue H.	Influence of beta- adrenoceptor blockade on the myocardial accumulation of fatty acid tracer and its intracellular metabolism in the heart after ischemia-reperfusion injury.	Circ J.	70	1509-1514	2006
Matsuki A, Igawa A, Nozawa T, Nakadate T, Igarashi N, Nonomura M, Inoue H.	Early administration of fluvastatin, but not at the onset of ischemia or reperfusion, attenuates myocardial ischemia- reperfusion injury through the nitric oxide pathway rather than its antioxidant property.	Circ J.	70	1643-1649	2006

Fujiki A, Sakamoto T, Iwamoto J, Nishida K, Nagasawa H, Mizumaki K, Inoue H.	Pharmacological cardioversion of persistent atrial fibrillation with and without a history of drug-resistant paroxysmal atrial fibrillation.	Circ J.	70	1138-1141	2006
Yamazaki M, Honjo H, Kodama I, et al	Mechanisms of destabilization and early termination of spiral wave reentry in the ventricle by a class III antiarrhythmic agent, nifekalant	Am J Physiol (Heart Circ Physiol)	292	H539 - H548	2007
Maruo T, Nakatani S, Jin Y, Uemura K, Sugimachi M, Ueda-Ishibashi H, Kitakaze M, Ohe T, Sunagawa K, Miyatake K	Evaluation of transmural distribution of viable muscle by myocardial strain profile and dobutamine stress echocardiography	Am J Physiol Heart Circ Physiol	292	H921-7	2007
Monden Y, Kubota T, Tsutsumi T, Inoue T, Kawano S, Kawamura N, Ide T, Egashira K, Tsutsui H, Sunagawa K	Soluble TNF receptors prevent apoptosis in infiltrating cells and promote ventricular rupture and remodeling after myocardial infarction.	Cardiovasc Res	73	794-805	2007
Sagara Y, Hirooka Y, Nozoe M, Ito K, Kimura Y, Sunagawa K	Pressor response induced by central angiotensin II is mediated by activation of Rho/Rho-kinase pathway via AT1 receptors.	J Hypertens	25	399-406	2007
Kimura Y, Hirooka Y, Sagara Y, Sunagawa K	Long-acting calcium channel blocker, azelnidipine, increases endothelial nitric oxide synthase in the brain and inhibits sympathetic nerve activity.	Clin Exp Hypertens	29	13-21	2007
Yamazaki T, Akiyama T, Kitagawa H, Komaki F, Mori H, Kawada T, Sunagawa K, Sugimachi M.	Characterization of ouabain-induced noradrenaline and acetylcholine release from in situ cardiac autonomic nerve endings.	Acta Physiol (Oxf)	191	275-284	2007
Uemura K, Li M, Tsutsumi T, Yamazaki T, Kawada T, Kamiya A, Inagaki M, Sunagawa K, Sugimachi M.	Efferent vagal nerve stimulation induces tissue inhibitor of metalloproteinase-1 in myocardial ischemia-reperfusion injury in rabbit.	Am J Physiol Heart Circ Physiol	293	H2254-2261	2007

Sugimachi M, Kawada T, Kamiya A, Li M, Zheng C, Sunagawa K.	Electrical Acupuncture Modifies Autonomic Balance by Resetting the Neural Arc of Arterial Baroreflex System.	Conf Proc IEEE Eng Med Biol Soc	1	5334-5337	2007
Maruo T, Nakatani S, Jin Y, Uemura K, Sugimachi M, Ueda-Ishibashi H, Kitakaze M, Ohe T, Sunagawa K, Miyatake K.	Evaluation of transmural distribution of viable muscle by myocardial strain profile and dobutamine stress echocardiography.	Am J Physiol Heart Circ Physiol	292	H921-927	2007
Mizuno M, Kamiya A, Kawada T, Miyamoto T, Shimizu S, Sugimachi M.	Muscarinic potassium channels augment dynamic and static heart rate responses to vagal stimulation	Am J Physiol Heart Circ Physiol;	293	H1564-1570	2007
Kawada T, Kitagawa H, Yamazaki T, Akiyama T, Kamiya A, Uemura K, Mori H, Sugimachi M.	Hypothermia reduces ischemia- and stimulation-induced myocardial interstitial norepinephrine and acetylcholine releases.	J Appl Physiol;	102	622-627	2007.
Kawada T, Yamazaki T, Akiyama T, Li M, Zheng C, Shishido T, Mori H, Sugimachi M.	Angiotensin II attenuates myocardial interstitial acetylcholine release in response to vagal stimulation.	Am J Physiol Heart Circ Physiol	293	H2516-2522	2007
Kawada T, Yamazaki T, Akiyama T, Shishido T, Shimizu S, Mizuno M, Mori H, Sugimachi M.	Regional difference in ischaemia-induced myocardial interstitial noradrenaline and acetylcholine releases.	Auton Neurosci;	137	44-50,	2007.
Shimizu W, Matsuo K, Kokubo Y, Satomi K, Kurita T, Noda T, Nagaya N, Suyama K, Aihara N, Kamakura S, Inamoto N, Akahoshi M, Tomoike H:	Sex hormone and gender difference--role of testosterone on male predominance in Brugada syndrome.	J Cardiovasc Electrophysiol.	18:	415-21.	2007
Moss AJ, Shimizu W, Wilde AA, Towbin JA, Zareba W, Robinson JL, Qi M, Vincent GM, Ackerman MJ, Kaufman ES, Hofman N, Seth R, Kamakura S, Miyamoto Y, Goldenberg I, Andrews ML, McNitt S:	Clinical aspects of type-1 long-QT syndrome by location, coding type, and biophysical function of mutations involving the KCNQ1 gene.	Circulation.	115	2481-9	2007