

CURRICULUM VITAE

IDENTICAL INFORMATION

Name: Tetsuari Onishi, MD. PhD. MBA.
Business address: 520 Saisho-ko, Himeji, Japan, 670-0981
Phone: +81-79-293-3131
E-mail: tetsuari@gmail.com

EDUCATION

2023 MBA Graduate School of Social Sciences, Department of Professional Business,
University of Hyogo
2007 PhD. Kobe University Graduate School of Medicine, Kobe, Japan
2000 MD. Kobe University School of Medicine, Kobe, Japan
1990 Graduated from Okayama High School, Okayama, Japan

PROFESSIONAL TRAINING AND EMPLOYMENT

2013- Attending Staff in Division of Cardiovascular Medicine, Himeji
Cardiovascular Center, Himeji, Japan
2012-2013 Chief Instructor for Emergency Life Guard Training Course, Hyogo
Prefecture Fire Fighters' Training Institute, Miki, Japan
Postdoctoral Scholar, Kobe University Graduate School of Medicine,
Kobe, Japan
2010-2012 Postdoctoral Associate in Division of Cardiology
Department of Medicine, the University of Pittsburgh, USA
2007-2010 Medical Staff in Division of Cardiovascular Medicine,
Department of Internal Medicine, Kobe University, Kobe, Japan
Address: 7-5-2 Kusunoki-Cho, Chuo-ku,,Kobe, 650-0017.Japan
Phone; +81-78-382-5111, Fax; +81-78-382-5859
2003-2007 PhD Kobe University Graduate School of Medicine, Kobe, Japan
2001-2003 Resident in Sanda City Hospital, Hyogo, Japan
2000-2001 Resident in Kobe University Hospital, Kobe, Japan
2000 Passed the Examination of National Board for medical license in Japan

PERSONAL INFORMATION

Birth Date: June 20 1971
Place of Birth: Kakogawa, Hyogo, Japan
Citizenship: Japan
Material Status: Married, 2001, two children

PROFESSIONAL MEMBERSHIPS

American Heart Association
American Society of Echocardiography
European Society of Cardiology
The Japanese Society of Internal Medicine
The Japanese Circulation Society
The Japanese College of Cardiology
Japanese Society of Echocardiography
The Japan Society of Ultrasonics in Medicine

CERTIFICATES

2007 Certificated Member of Internal medicine (the Japanese Society of Internal Medicine)
2008 Certificated Member of Cardiovascular Medicine (the Japanese Circulation Society)
2009 Passed the Examination of the Japanese Board of Perioperative Transesophageal Echocardiography (JB-POT)
2012 Passed the Examination of National Board of Echocardiography (ASCeXAM®)
2013 Board Certified Fellow of the Japanese Society of Ultrasonics in Medicine

AWARDS

2006 Graduate School Abroad Award (Hyogo science and Technology Association in Japan)
2007 Japanese Society of Echocardiography Distinguished Abstract Award for Overseas Congress
2009 Young Investigator Award (the 20th Annual Scientific Meeting in the Japanese Society of Echocardiography)
2010 Abroad Research Award (the Japanese Society of Echocardiography)
2011 Best Article Award in 2011 (Fukuda Foundation for Medical Technology in Japan)
2012 Best Poster Award (American Society of Echocardiography Scientific Sessions in 2012)
2012 Article Award in 2012 (New-Echo-Conference in Japan)
2012 Research grant from Kobe University School of Medicine Alumni Association
2014 Japanese Society of Echocardiography Distinguished Abstract Award for Overseas Congress

PUBLICATION

Manuscripts:

Yamada H, Ohara T, Abe Y, Iwano H, **Onishi T**, Katabami K, Takigiku K, Tada A, Tanigushi H, Mihara H, Yamamoto T, Maeda K, Wada Y; Guideline Committee of the Japanese Society of Echocardiography. Guidance for performance, utilization, and education of cardiac and lung point-of-care ultrasonography from the Japanese Society of Echocardiography. J Echocardiogr . 2024 May 9.

Tsunamoto H, Yamamoto H, Masumoto A, Taniguchi Y, Takahashi N, **Onishi T**, Takaya T, Kawai H, Hirata KI, Tanaka H.

Efficacy of Native T1 Mapping for Patients With Non-Ischemic Cardiomyopathy and Ventricular Functional Mitral Regurgitation Undergoing Transcatheter Edge-to-Edge Repair.

Circ J. 2024 Mar 25;88(4):519-527.

Masumoto A, Yamamoto H, Takahashi N, **Onishi T**, Takaya T.

Preoperative Evaluation of Mitral Valve Calcification Using Electrocardiography-Gated 4-Dimensional Computed Tomography for Safer MitraClip Procedure.

Circ Rep. 2023 Nov 28;5(12):463-464.

Shiraki H, Tsunamoto H, **Onishi T**, Mukai J, Shimoura H, Matsuzoe H, Soga F, Imanishi J, Yokota S, Sano H, Tanaka Y, Hirata KI, Tanaka H.

Left atrial volume index as a predictor for left atrial appendage thrombus in patients with non-valvular atrial fibrillation receiving appropriate oral anticoagulation therapy: A prospective multi-center study.

Echocardiography. 2024 Jan;41(1):e15735.

Amaki M, Moriwaki K, Nakai M, Yamano T, Okada A, Kanzaki H, Izumo M, Usuku H, **Onishi T**, Nagai T, Miyamoto Y, Fujita T, Kawai H, Akashi Y, Tsujita K, Matoba S, Kobayashi J, Izumi C, Anzai T.

Cost-effective analysis of transcatheter aortic valve replacement in patients with severe symptomatic aortic stenosis: A prospective multicenter study.

J Cardiol. 2024 Mar;83(3):169-176.

Daimon M, Iwano H, **Onishi T**, Ohara T, Tanaka H, Hirano Y, Yamada H, Izumi C, Nakatani S.

Guideline from the Japanese society of echocardiography: guidance for the management and maintenance of echocardiography equipment: 2022 focused update.

J Echocardiogr. 2022 Dec;20(4):195-200.

Iwano H, Utsunomiya H, Shibayama K, Tanaka H, Isotani A, **Onishi T**, Obokata M, Izumo M, Kusunose K, Furukawa A, Yamada M, Kitai T, Onishi T, Yamamoto M, Sasaki S, Nochioka K, Ito YM, Anzai T.

Results of PROspect trial to Elucidate the utility of EchocarDiography-based Cardiac ouTput in acute heart failure (PREDICT).

J Cardiol. 2022 Sep;80(3):218-225.

Onishi T, Fukuda Y, Miyazaki S, Yamada H, Tanaka H, Sakamoto J, Daimon M, Izumi C, Nonaka A, Nakatani S, Akaishi M

Practical guidance for echocardiography for cancer therapeutics-related cardiac dysfunction.

; Guideline Committee of the Japanese Society of Echocardiography.

J Echocardiogr. 2021 Mar;19(1):1-20.

Sawada T, Uzu K, Hashimoto N, **Onishi T**, Takaya T, Shimane A, Taniguchi Y, Yasaka Y, Ohara T, Kawai H. Empagliflozin's Ameliorating Effect on Plasma Triglycerides: Association with Endothelial Function Recovery in Diabetic Patients with Coronary Artery Disease.

J Atheroscler Thromb. 2020 Jul 1;27(7):644-656.

Fukuda Y, **Onishi T**, Suzuki A, Tanaka H, Fukuzawa K, Yoshida A, Kawai H, Hirata KI.

Follow-up of Cardiac Fabry Disease Treated by Cardiac Resynchronization Therapy.

CASE (Phila). 2017 Jul 6;1(4):134-137.

Kusunose K, Shibayama K, Iwano H, Izumo M, Kagiya N, Kurosawa K, Mihara H, Oe H, **Onishi T**, Onishi T, Ota M, Sasaki S, Shiina Y, Tsuruta H, Tanaka H; JAYEF Investigators.

Reduced variability of visual left ventricular ejection fraction assessment with reference images: The Japanese Association of Young Echocardiography Fellows multicenter study.

J Cardiol. 2018 Jul;72(1):74-80.

Chimura M, **Onishi T**, Tsukishiro Y, Sawada T, Kiuchi K, Shimane A, Okajima K, Yamada S, Taniguchi Y, Yasaka Y, Kawai H.

Longitudinal strain combined with delayed-enhancement magnetic resonance improves risk stratification in patients with dilated cardiomyopathy.

Heart. 2017 May;103(9):679-686.

Ryo K, Goda A, **Onishi T**, Delgado-Montero A, Tayal B, Champion HC, Simon MA, Mathier MA, Gladwin MT, Gorcsan J 3rd.

Characterization of right ventricular remodeling in pulmonary hypertension associated with patient outcomes by 3-dimensional wall motion tracking echocardiography.

Circ Cardiovasc Imaging. 2015 Jun;8(6).

Kiuchi K, Okajima K, Tanaka N, Yamamoto Y, Sakai N, Kanda G, Shimane A, Yokoi K, Teranishi J, Aoki K, Chimura M, Kono S, Takahashi Y, Matsuyama S, Tsubata H, Miyata T, Matsuoka Y, Toba T, Ohishi S, Sawada T, Tsukishiro Y, **Onishi T**, Kobayashi S, Moriya F, Takai H, Yamada S, Taniguchi Y, Yasaka Y, Kawai H.

Novel Compression Tool to Prevent Hematomas and Skin Erosions After Device Implantation.

Circ J. 2015 May 20.

Onishi T, Saha SK, Delgado-Montero A, Ludwig DR, **Onishi T**, Schelbert EB, Schwartzman D, Gorcsan J 3rd.

Global longitudinal strain and global circumferential strain by speckle-tracking echocardiography and feature-tracking cardiac magnetic resonance imaging: comparison with left ventricular ejection fraction. *J Am Soc Echocardiogr.* 2015 May;28(5):587-96.

Sade LE, Saba S, Marek JJ, **Onishi T**, Schwartzman D, Adelstein EC, Soman P, Gorcsan J 3rd. The Association of Left Ventricular Lead Position Related to Regional Scar by Speckle-Tracking Echocardiography with Clinical Outcomes in Patients Receiving Cardiac Resynchronization Therapy. *J Am Soc Echocardiogr.* 2014 Jun;27(6):648-56.

Matsumoto K, Tanaka H, Imanishi J, Tatsumi K, Motoji Y, Miyoshi T, **Onishi T**, Kawai H, Hirata K. Preliminary Observations of Prognostic Value of Left Atrial Functional Reserve during Dobutamine Infusion in Patients with Dilated Cardiomyopathy. *J Am Soc Echocardiogr.* 2014 Apr;27(4):430-9.

Marek JJ, Saba S, **Onishi T**, Ryo K, Schwartzman D, Adelstein EC, Gorcsan J 3rd. Usefulness of echocardiographically guided left ventricular lead placement for cardiac resynchronization therapy in patients with intermediate QRS width and non-left bundle branch block morphology. *Am J Cardiol.* 2014 Jan 1;113(1):107-16.

Tatsumi K, Tanaka H, Matsumoto K, Miyoshi T, Hiraishi M, Tsuji T, Kaneko A, Ryo K, Fukuda Y, Norisada K, **Onishi T**, Yoshida A, Kawai H, Hirata K. Combined baseline strain dyssynchrony index and its acute reduction predicts mid-term left ventricular reverse remodeling and long-term outcome after cardiac resynchronization therapy. *Echocardiography.* 2014 Apr;31(4):464-73.

Onishi T, Saha SK, Ludwig DR, **Onishi T**, Marek JJ, Cavalcante JL, Schelbert EB, Schwartzman D, Gorcsan J 3rd. Feature tracking measurement of dyssynchrony from cardiovascular magnetic resonance cine acquisitions: comparison with echocardiographic speckle tracking. *J Cardiovasc Magn Reson.* 2013 Oct 17;15:95

Onishi T, Onishi T, Marek JJ, Ahmed M, Haberman SC, Oyenuga O, Adelstein E, Schwartzman D, Saba S, Gorcsan J 3rd. Mechanistic features associated with improvement in mitral regurgitation after cardiac resynchronization therapy and their relation to long-term patient outcome. *Circ Heart Fail.* 2013 Jul;6(4):685-93.

Saba S, Marek J, Schwartzman D, Jain S, Adelstein E, White P, Oyenuga OA, **Onishi T**, Soman P, Gorcsan J 3rd. Echocardiography-Guided Left Ventricular Lead Placement for Cardiac Resynchronization Therapy: Results of the Speckle Tracking Assisted Resynchronization Therapy for Electrode Region (STARTER) Trial. *Circ*

Heart Fail. 2013 May;6(3):427-34.

Tatsumi K, Tanaka H, Kataoka T, Norisada K, **Onishi T**, Kawai H, Hirata K.

Impact of preserved myocardial contractile function in the segments attached to the papillary muscles on reduction in functional mitral regurgitation. *Echocardiography*. 2013 Feb;30(2):147-54.

Kaneko A, Tanaka H, **Onishi T**, Ryo K, Matsumoto K, Okita Y, Kawai H, Hirata K.

Subendocardial dysfunction in patients with chronic severe aortic regurgitation and preserved ejection fraction detected with speckle-tracking strain imaging and transmural myocardial strain profile. *Eur Heart J Cardiovasc Imaging*. 2013 Apr;14(4):339-46.

Tsuji T, Tanaka H, Matsumoto K, Miyoshi T, Hiraishi M, Kaneko A, Ryo K, Fukuda Y, Tatsumi K, **Onishi T**, Kawai H, Hirata KI.

Capability of three-dimensional speckle tracking radial strain for identification of patients with cardiac sarcoidosis. *Int J Cardiovasc Imaging*. 2013 Feb;29(2):317-24.

Ryo K, Tanaka H, Kaneko A, Fukuda Y, **Onishi T**, Kawai H, Hirata KI.

Efficacy of Longitudinal Speckle Tracking Strain in Conjunction with Isometric Handgrip Stress Test for Detection of Ischemic Myocardial Segments. *Echocardiography*. 2012 Apr;29(4):411-8

Yamamoto T, Kawano S, Sugiyama D, **Onishi T**, Hayashi N, Takeshima Y, Kawai H, Hirata KI, Matsuo M, Kumagai S.

Predicting Scores for Left Ventricular Dysfunction in Duchenne Muscular Dystrophy. *Pediatrics International* 2012 Jun;54(3):388-92.

Tatsumi K, Tanaka H, Matsumoto K, Kaneko A, Tsuji T, Ryo K, Fukuda Y, Norisada K, **Onishi T**, Yoshida A, Kawai H, Hirata KI.

Relation Between Strain Dyssynchrony Index Determined by Comprehensive Assessment Using Speckle-Tracking Imaging and Long-Term Outcome After Cardiac Resynchronization Therapy for Patients With Heart Failure. *Am J Cardiol*. 2012 Apr 15;109(8):1187-93.

Yamawaki K, Tanaka H, Matsumoto K, Hiraishi M, Miyoshi T, Kaneko A, Tsuji T, Ryo K, Norisada K, Fukuda Y, Tatsumi K, **Onishi T**, Okada K, Okita Y, Kawai H, Hirata KI.

Impact of Left Ventricular Afterload on Longitudinal Dyssynchrony in Patients With Severe Aortic Stenosis and Preserved Ejection Fraction. *Circ J*. 2012;76(3):744-51

Fukuda Y, Tanaka H, Sugiyama D, Ryo K, **Onishi T**, Fukuya H, Nogami M, Ohno Y, Emoto N, Kawai H, Hirata KI.

Utility of Right Ventricular Free Wall Speckle-Tracking Strain for Evaluation of Right Ventricular Performance in Patients with Pulmonary Hypertension. *J Am Soc Echocardiogr.* 2011 Oct;24(10):1101-8.

Tatsumi K, Tanaka H, Matsumoto K, Hiraishi M, Miyoshi T, Tsuji T, Kaneko A, Ryo K, Yamawaki K, Fukuda Y, Norisada K, Onishi T, Kawai H, Hirata KI.

Mechanical Left Ventricular Dyssynchrony in Heart Failure Patients With Narrow QRS Duration as Assessed by Three-Dimensional Speckle Area Tracking Strain. *Am J Cardiol.* 2011 Sep 15;108(6):867-72.

Tatsumi K, Tanaka H, Tsuji T, Kaneko A, Ryo K, Yamawaki K, Omar AM, Fukuda Y, Norisada K, Matsumoto K, Onishi T, Yoshida A, Kawai H, Hirata K.

Strain dyssynchrony index determined by three-dimensional speckle area tracking can predict response to cardiac resynchronization therapy. *Cardiovasc Ultrasound.* 2011 Apr 5;9:11.

Norisada K, Tanaka H, Onishi T, Kaneko A, Tsuji T, Yamawaki K, Ryo K, Tatsumi K, Matsumoto K, Miura N, Saegusa J, Morinaga Y, Hara S, Kawai H, Hirata K.

Nonbacterial thrombotic endocarditis associated with cancer of unknown origin complicated with thrombus in the left auricular appendage: case report. *Cardiovasc Ultrasound.* 2011 Feb 28;9:8.

Salem Omar AM, Tanaka H, AbdelDayem TK, Sadek AS, Raslaan H, Al-Sherbiny A, Yamawaki K, Ryo K, Fukuda Y, Norisada K, Tatsumi K, Onishi T, Matsumoto K, Kawai H, Hirata K.

Comparison of mitral valve area by pressure half-time and proximal isovelocity surface area method in patients with mitral stenosis: effect of net atrioventricular compliance. *Eur J Echocardiogr.* 2011 Apr;12(4):283-90.

Tatsumi K, Tanaka H, Yamawaki K, Ryo K, Omar AM, Fukuda Y, Norisada K, Matsumoto K, Onishi T, Gorcsan J 3rd, Yoshida A, Kawai H, Hirata K.

Utility of comprehensive assessment of strain dyssynchrony index by speckle tracking imaging for predicting response to cardiac resynchronization therapy. *Am J Cardiol.* 2011 Feb 1;107(3):439-46.

Onishi T, Kawai H, Tatsumi K, Kataoka T, Sugiyama D, Tanaka H, Okita Y, Hirata K

Preoperative Systolic Strain Rate Predicts Postoperative Left Ventricular Dysfunction in Patients With Chronic Aortic Regurgitation. *Circulation Cardiovascular Imaging* 2010 Mar;3(2):134-41.

Yamamoto T, Onishi T, Kaneko A, Matsumoto K, Hayashi N, Kinoshita S, Kawano S, Kawai H, Hirata K, Kumagai S

Medical Therapy Alone Produces Regression of Combined Aortic and Mitral Valve Involvement in Hypereosinophilic Syndrome. *Circulation.* 2010 Oct 19;122(16):e488-90.

Omura K, Onishi T, Yamawaki K, Omar AKS, Kanzawa M, Ishida T, Shite J, Kawai H, Itoh T, Okita Y, Hirata K

A rare case of pericardial hemangioma with bloody pericardial effusion. *Journal of Cardiology Cases* Volume 2, Issue 1, August 2010, Pages e15-e19

Yamamoto T, Onishi T, Omar AMS, Norisada K, Tatsumi K, Matsumoto K, Hayashi N, Kinoshita S, Kawano S, Kawai H, Hirata K, Kumagai S

Isolated true parachute mitral valve in an asymptomatic elderly patient. *Journal of Echocardiography* Volume 8, Number 4, 131-132

Tatsumi K, Kawai H, Sugiyama D, Norisada K, Kataoka T, Onishi T, Hidekazu Tanaka H, Hirata K
Dobutamine-Induced Improvement in Inferior Myocardial Contractile Function Predicts Reduction in Functional Mitral Regurgitation : A Study Using Tissue Doppler Strain Rate Imaging. *Circ Cardiovasc Imaging*. 2010 Nov;3(6):638-46.

Norisada K, Kawai H, Tanaka H, Tatsumi K, Onishi T, Fukuzawa F, Yoshida A, Hirata K
Myocardial Contractile Function in the Region of the Left Ventricular Pacing Lead Predicts the Response to Cardiac Resynchronization Therapy Assessed by Two-Dimensional Speckle Tracking Echocardiography. *Journal of the American Society of Echocardiography* 2010;23:181-9

Fujii H, Kono K, Goto S, Onishi T, Kawai H, Hirata K, Hattori K, Nakamura K, Endo F, Fukagawa M
Prevalence and Cardiovascular Features of Japanese Hemodialysis Patients with Fabry Disease. *American Journal of Nephrology* 2009;30:527-535

Tanaka H, Kawai H, Tatsumi K, Kataoka T, Onishi T, Yoshida A, Hirata K. Large response to cardiac resynchronization therapy in a patient with segmental paradoxical systolic expansion identified by strain imaging. *Eur J Echocardiogr* 2009 Oct;10(7):889-92

Matsumori M, Tanaka H, Kawanishi Y, Onishi T, Nakagiri K, Yamashita T, Okada K, Okita Y.
Comparison of distensibility of the aortic root and cusp motion after aortic root replacement with two reimplantation techniques: Valsalva graft versus tube graft.
Interact Cardiovasc Thorac Surg. 2007 Apr;6(2):177-81. Epub 2007 Jan 26.

Tanaka H, Kawai H, Tatsumi K, Kataoka T, Onishi T, Yokoyama M, Okita Y. Accessory mitral valve associated with aortic and mitral regurgitation and left ventricular outflow tract obstruction in an elderly patient: a case report. *J Cardiol*. 2007 Jul;50:65-70.

Tanaka H, Kawai H, Tatsumi K, Kataoka T, Onishi T, Nose T, Mizoguchi T, Yokoyama M. Relationship

between regional and global left ventricular systolic and diastolic function in patients with coronary artery disease assessed by strain rate imaging. *Circ J.* 2007 Apr;71(4):517-23.

Tanaka H, Kawai H, Tatsumi K, Kataoka T, Onishi T, Nose T, Mizoguchi T, Yokoyama M. Improved Regional Myocardial Diastolic Function Assessed by Strain Rate Imaging in Patients with Coronary Artery Disease Undergoing Percutaneous Coronary Intervention. *J Am Soc Echocardiogr.* 2006; 19: 756-762.

Tanaka H, Kawai H, Tatsumi K, Kataoka T, Onishi T, Nose T, Mizoguchi T, Yokoyama M. Surgical Treatment for Löffler's Endocarditis with Left Ventricular Thrombus and Severe Mitral Regurgitation: A Case Report. *J Cardiol.* 2006 Apr;47(4):207-213.

Tanaka H, Kawai H, Tatsumi K, Kataoka T, Onishi T, Nose T, Mizoguchi T, Yokoyama M, Okita Y. Severe Regurgitation of the Left Atrioventricular Valve Associated With Corrected Transposition of the Great Arteries Treated by Valve Replacement. *J Echocardiogr.* 2006; 4: 34-36.

Abstracts and Presentations at Scientific Meetings:

Sonoko Matsuyama; **Tetsuari Onishi**; Misato Chimura; Yasue Tsukishiro; Shin-ichiro Yamada; Yasuyo Taniguchi; Yoshinori Yasaka; Hiroya Kawai

Prognostic significance of Left Ventricular Global Strain and cardiac sympathetic nerve activity in patients with Acute Myocardial Infarction treated with primary percutaneous intervention. Presented as Poster Session at EuroEcho-Imaging 2014

Yasue Tsukishiro; **Tetsuari Onishi**; Sonoko Matsuyama; Misato Chimura; Shin-ichiro Yamada; Yasuyo Taniguchi; Yoshinori Yasaka; Hiroya Kawai

Prognostic Significance of Right Ventricular Global Longitudinal Strain in Patients with Non-Ischemic Dilated Cardiomyopathy. Presented as Poster Session at EuroEcho-Imaging 2014

Tetsuari Onishi; Kosuke Yoshii; Yasue Tsukishiro; Misato Chimura; Shin-ichiro Yamada; Yasuyo Taniguchi; Yoshinori Yasaka; Hiroya Kawai

Right Ventricular Global Longitudinal Strain is Correlated with Cardiovascular Magnetic Resonance Ejection Fraction and Provides Prognostic Value in Patients with Arrhythmogenic Right Ventricular Cardiomyopathy. Presented at the American Heart Association Annual Meeting 2014.

Tetsuari Onishi; Kosuke Yoshii; Yasue Tsukishiro; Misato Chimura; Shin-ichiro Yamada; Yasuyo Taniguchi; Yoshinori Yasaka; Hiroya Kawai

Right Ventricular Global Longitudinal Strain Improves Diagnostic and Prognostic Assessment in Patients with Arrhythmogenic Right Ventricular Cardiomyopathy. Presented at the American Heart Association Annual Meeting 2014.

Misato Chimura; **Tetsuari Onishi**; Yasue Tsukishiro; Sonoko Matsuyama; Shin-ichiro Yamada; Yasuyo Taniguchi; Yoshinori Yasaka; Hiroya Kawai

Incremental Prognostic Value of Left Ventricular Global Longitudinal Strain and Late Gadolinium Enhancement in Patients with Dilated Cardiomyopathy. Presented at the American Heart Association Annual Meeting 2014.

Misato Chimura; **Tetsuari Onishi**; Yasue Tsukishiro; Sonoko Matsuyama; Shin-ichiro Yamada; Yasuyo Taniguchi; Yoshinori Yasaka; Hiroya Kawai

Combination of global longitudinal strain and sympathetic nervous dysfunction predicts cardiac events in patients with non-ischemic dilated cardiomyopathy. Presented at the American Heart Association Annual Meeting 2014.

Sonoko Matsuyama; **Tetsuari Onishi**; Misato Chimura; Yasue Tsukishiro; Shin-ichiro Yamada; Yasuyo Taniguchi; Yoshinori Yasaka; Hiroya Kawai

Prognostic Significance of Left Ventricular Global Strain and Cardiac Sympathetic Nerve Activity in Patients with Acute Myocardial Infarction Treated with Primary Percutaneous Intervention. Presented at the American Heart Association Annual Meeting 2014.

Misato Chimura; **Tetsuari Onishi**; Yasue Tsukishiro; Shin-ichiro Yamada; Yasuyo Taniguchi; Yoshinori Yasaka; Hiroya Kawai

Usefulness of cardiac magnetic resonance to predict left ventricular reverse remodeling and life threatening ventricular tachyarrhythmia in patients with dilated cardiomyopathy. Presented as Oral Presentation at European Society of Cardiology Scientific Sessions 2014.

Tetsuari Onishi, Hidekazu Tanaka, Hiroya Kawai, Ken-ichi Hirata.

Association of Septal Myocardial Function with Coronary Flow Reserve in Heart Failure Patients Undergoing Cardiac Resynchronization Therapy. Presented as Poster Presentation at American Society of Echocardiography Scientific Sessions 2014.

Yasue Tsukishiro, **Tetsuari Onishi**, Misato Chimura, Shinichiro Yamada, Yasuyo Taniguchi, Hiroya Kawai.

Myocardial Radial Strain Predicts Outcome in Dilated Cardiomyopathy with Reactive Pulmonary Hypertension. Presented as Poster Presentation at American Society of Echocardiography Scientific Sessions 2014.

M. Chimura, **T. Onishi**, Y. Tsukishiro, S. Yamada, Y. Taniguchi, Y. Yasaka, H. Kawai.

Prognostic Significance of Left Ventricular Longitudinal Strain in Patients with Dilated Cardiomyopathy. Presented as Poster Session at EuroEcho-Imaging 2013

Y. Tsukishiro, **T. Onishi**, M. Chimura, S. Yamada, Y. Taniguthi, Y. Yasaka, H. Kawai.

Global Diastolic Strain Rate for Assessment of Left ventricular Relaxation and filling Pressures. Presented as Poster Session at EuroEcho-Imaging 2013

K. Yoshii, **T. Onishi**, M. Chimura, Y. Tsukishiro, M. Tsuru, M. Masai, S. Yamada, Y. Taniguthi, Y. Yasaka, H. Kawai.

Diagnostic Value of Right ventricular strain imaging in patients with suspected arrhythmogenic right ventricular cardiomyopathy. Presented as Club 35 Moderated Poster Session at EuroEcho-Imaging 2013

Misato Chimura; **Tetsuuri Onishi**; Yasue Tukishiro; Hiroya Kawai

Association of Left Ventricular Longitudinal Strain with Cardiac Events in Dilated Cardiomyopathy Patients with Myocardial Fibrosis. Presented at the American Heart Association National Meeting 2013.

Kosuke Yoshii; **Tetsuuri Onishi**; Misato Chimura; Yasue Oka; Masato Tsuru; Hideyuki Masai; Shinichirou Yamada; Yasuyo Taniguchi; Yoshinori Yasaka; Hiroya Kawai

Diagnostic Value of Right ventricular strain imaging in patients with suspected arrhythmogenic right ventricular cardiomyopathy. Presented at the American Heart Association National Meeting 2013.

Tetsuuri Onishi, Hidekazu Tanaka, Yuko Fukuda, Yoshiki Motoji, Yu Taniguchi, Toshiro Shinke, Noriaki Emoto, John Gorcsan III, Hiroya Kawai, Ken-ichi Hirata

Assessment of Right Ventricular Function by Three-Dimensional Myocardial Strain Echocardiography in Chronic Thromboembolic Pulmonary Hypertension Before and After Balloon Pulmonary Angioplasty. Presented as Poster Presentation at European Society of Cardiology Scientific Sessions 2013.

T.Onishi, H.Tanaka, Y.Yamadori, M.Shigeru, K.Matsumoto, S.Fujiwara, H.Kawai. K.Hirata

Left Ventricular Diastolic Function is Associated with Cardiac Sympathetic Nerve Activity in Heart Failure Patients. Presented as Oral Presentation at European Society of Cardiology Scientific Sessions 2013.

Tetsuuri Onishi, Hidekazu Tanaka, Yoshiki Yamadori, Mayumi Shigeru, Kensuke Matsumoto, Sei Fujiwara, Hiroya Kawai, Ken-ichi Hirata

Relationship between Left Ventricular Diastolic Function and Cardiac Sympathetic Nerve Activity in Heart Failure Patients with Preserved Ejection Fraction. Presented as Poster Presentation at American Society of Echocardiography Scientific Sessions 2013.

Tetsuuri Onishi; Toshinari Onishi; Akiko Mano; Hunter Champion; Norihisa Shigemura; John Gorcsan

Improvements in Right Ventricular Performance in Patients with Pulmonary Hypertension after Lung Transplantation by Two-dimensional Speckle-tracking Strain Echocardiography. Presented at the American

College of Cardiology National Meeting 2013.

Akiko Mano, Toshinari Onishi, Stephanie C Haberman, **Tetsuari Onishi**, Mohamed Ahmed, Jeffrey J Teuteberg, Robert L Kormos, John Gorcsan III.

Improvements in Mitral Regurgitation are Associated with Reductions in Mechanical Dyssynchrony in Patients Supported by a Continuous Flow Left Ventricular Assist Device. Presented at the American Heart Association National Meeting 2012.

Josef Marek, Samir Saba, David Schwartzman, Sandeep K Jain, Evan C Adelstein, **Tetsuari Onishi**, John Gorcsan III.

Additive Value of Free Wall Activation Delay for Risk Stratification of Cardiac Resynchronization Therapy Patients. Presented at the American Heart Association National Meeting 2012.

Tetsuari Onishi, Akiko Mano, Toshinari Onishi, Josef Marek, Mohamed Ahmed, Evan Adelstein, Samir Saba, John Gorcsan III.

Degree of Obesity is Associated with Short Term Response and Long Term Survival after Cardiac Resynchronization Therapy. Presented at the American Heart Association National Meeting 2012.

Toshinari Onishi, **Tetsuari Onishi**, Mohamed Ahmed, Josef Marek, Stephanie C Harberman, Samir Saba, David Schwartzman, John Gorcsan III.

Acute Reduction in Post-systolic Shortening is Related to Long-Term Outcome After Cardiac Resynchronization Therapy. Presented at the American Heart Association National Meeting 2012.

Josef Marek, Samir Saba, David Schwartzman, Sandeep K Jain, Evan C Adelstein, Olusegun A Oyenuga, **Tetsuari Onishi**, John Gorcsan III.

Predicting Response to Cardiac Resynchronization Therapy: The Role of Echocardiography

Abstract Title: Echoguided Lead Placement Benefits Patients with QRS Durations < 150 ms : Results from STARTER Randomized Controlled Trial. Presented at the American Heart Association National Meeting 2012.

Tetsuari Onishi, Toshinari Onishi, Josef Marek, Mohamed Ahmed, David Schwartzman, John Gorcsan III.

Atrial Fibrillation and Left Ventricular Dilatation as Risk Factors for Newly Developed Mitral Regurgitation after Cardiac Resynchronization Therapy: Impact on Outcome. Presented at the American Heart Association National Meeting 2012.

Tetsuari Onishi, Toshinari Onishi, Josef Marek, Mohamed Ahmed, Stephanie C Haberman, Samir Saba, John Gorcsan III.

Echocardiography in Clinical Syndromes: Predicting Outcomes in Mitral Valve Disease

Abstract Title: Baseline Mechanical Dyssynchrony is Associated with Improvement in Mitral Regurgitation and Left Ventricular Reverse Remodeling after Cardiac Resynchronization Therapy. Presented at the American Heart Association National Meeting 2012.

Josef Marek, Samir Saba, David Schwartzman, Sandeep K Jain, Evan C Adelstein, **Tetsuari Onishi**, John Gorcsan III.

Predicting Response to Cardiac Resynchronization Therapy: The Role of Echocardiography

Abstract Title: Resynchronization is Strongly Associated with Clinical Outcome Benefit in Echoguided Lead Placement: Results from STARTER Randomized Controlled Trial. Presented at the American Heart Association National Meeting 2012.

Tetsuari Onishi, Toshinari Onishi, Toshikazu Tanaka, Stephanie C Haberman, Hunter Champion, John Gorcsan III.

Three Dimensional Speckle Tracking Strain Evaluation of Right Heart Function and Hemodynamics in Patients with Pulmonary Hypertension. Presented at the American Heart Association National Meeting 2012.

Toshinari Onishi, **Tetsuari Onishi**, Mohamed Ahmed, Josef Marek, Stephanie C Haberman, Samir Saba, David Schwartzman, John Gorcsan III.

Activation Imaging: A Novel Approach to Three-Dimensional Mechanical Mapping In Native Conduction Delays and Pacing Using Speckle Tracking Echocardiography. Presented at the American Heart Association National Meeting 2012.

Mohamed Ahmed, **Tetsuari Onishi**, Marek Josef, Toshinari Onishi, Stephanie C Haberman, David Schwartzman, John Gorcsan III.

Baseline Mechanical Dyssynchrony is Predictive of Improvement in Renal Insufficiency and Response Rate Following Cardiac Resynchronization Therapy. Presented at the American Heart Association National Meeting 2012.

Mohamed Ahmed, Josef Marek, **Tetsuari Onishi**, Toshinari Onishi, Stephanie C Haberman, David Schwartzman, John Gorcsan III.

Mechanical Dyssynchrony is Predictive of Clinical Outcomes After Cardiac Resynchronization Therapy in Patients with Chronic Kidney Disease. Presented at the American Heart Association National Meeting 2012.

Onishi T, **Onishi T**, Ahmed M, Marek J, Saba S, Schwartzman D, Gorcsan J. Quantification of Acute Mechanical Effects of Biventricular Pacing: A New Approach Using 3-D Speckle Tracking Activation Imaging. Presented as Poster Presentation at American Society of Echocardiography Scientific Sessions 2012.

Onishi T, **Onishi T**, Ahmed M, Marek J, Saba S, Schwartzman D, Gorcsan J, Acute Effects of Right

Ventricular Apical Pacing on Dyssynchrony and Deterioration of Ventricular Function in Heart Failure Patients with Intrinsic Left Bundle Branch Block. Presented as Poster Presentation at American Society of Echocardiography Scientific Sessions 2012.

Mano A, **Onishi T**, Onishi T, Marek J, Ahmed M, Kormos RL, Gorcsan J. Improvement of Mechanical Dyssynchrony and Its Relation to Recovery of Cardiac Function In Patients Supported by a Continuous Flow Left Ventricular Assist Device. Presented as Rapid-Fire Oral Presentation at American Society of Echocardiography Scientific Sessions 2012.

Onishi T, Onishi T, Marek J, Ahmed M, Saba S, Gorcsan J. A Novel Echocardiographic Scoring System for Prediction of Improvement in Mitral Regurgitation after Cardiac Resynchronization Therapy. Presented as Poster Presentation at American Society of Echocardiography Scientific Sessions 2012.

Onishi T, Onishi T, Marek J, Ahmed M, Saba S, Gorcsan J. Newly Developed Mitral Regurgitation after Cardiac Resynchronization Therapy: A Marker For Unfavorable Outcome. Presented as Poster Presentation at American Society of Echocardiography Scientific Sessions 2012.

Onishi T, Onishi T, Marek J, Ahmed M, Gorcsan J. Three Dimensional Speckle Tracking Strain Evaluation of Right Ventricular Dyssynchrony in Patients with Pulmonary Hypertension. Presented as Poster Presentation at American Society of Echocardiography Scientific Sessions 2012.

Marek J, Ahmed M, **Onishi T**, Onishi T, Saba S, Gorcsan J. Free Wall Activation Delay by Tissue Doppler Imaging Predicts Long Term Survival After Cardiac Resynchronization Therapy. Presented as Poster Presentation at American Society of Echocardiography Scientific Sessions 2012.

Ahmed M, Marek J, **Onishi T**, Onishi T, Schwartzman D, Gorcsan J. Increased Importance of Echocardiographic Dyssynchrony to Diabetic Patients Undergoing Cardiac Resynchronization Therapy. Presented as Poster Presentation at American Society of Echocardiography Scientific Sessions 2012.

Onishi T, **Onishi T**, Ahmed M, Marek J, Saba S, Schwartzman D, Gorcsan J. Left Ventricular Lead Placement Using A Novel Three Dimensional Speckle Tracking Dyssynchrony Imaging Approach. Presented at the American College of Cardiology National Meeting. J Am Coll Cardiol 2012;59;E639

Onishi T, Saha SK, Ludwig D, **Onishi T**, Ahmed M, Marek J, Schwartzman D, Gorcsan J. The Utility of a Novel Off-line Approach to Quantify Dyssynchrony from Routine Cardiac Magnetic Resonance Images: Comparison with Echocardiographic Speckle Tracking. Presented at the American College of Cardiology National Meeting 2012. J Am Coll Cardiol 2012;59;E1085

Onishi T, Onishi T, Marek J, Ahmed M, Adelstein E, Saba S, Gorcsan J. Persistent Significant Mitral Regurgitation is Independently Associated With Less Favorable Long-Term Outcome After Cardiac Resynchronization Therapy. Presented at the American College of Cardiology National Meeting 2012. J Am Coll Cardiol 2012;59;E1980

Onishi T, Onishi T, Ahmed M, Marek J, Saba S, Gorcsan J. Mechanical Dyssynchrony and Mitral Regurgitation as Interrelated Substrates Associated With Long Term Survival after Cardiac Resynchronization Therapy. Presented at the American College of Cardiology National Meeting 2012. J Am Coll Cardiol 2012;59;E634

Ahmed M, Marek J, **Onishi T**, Onishi T, Saba S, Schwartzman D, Gorcsan J. Impact of Mechanical Dyssynchrony on Long Term Outcome in Patients With Ischemic Cardiomyopathy and Non-Left Bundle Branch Block After Cardiac Resynchronization Therapy. Presented at the American College of Cardiology National Meeting 2012. J Am Coll Cardiol 2012;59;E633

Marek J, Ahmed M, **Onishi T**, Onishi T, Saba S, Adelstein E, Gorcsan J. Persistence of Mechanical Dyssynchrony After Cardiac Resynchronization Therapy is Associated With Adverse Long Term Outcome in Ejection Fraction Responders. Presented at the American College of Cardiology National Meeting 2012. J Am Coll Cardiol 2012;59;E1113

Sade E, **Onishi T**, Soman P, Marek J, Schwartzman D, Saba S, Gorcsan J. Estimation of Scar by Speckle Tracking Radial Strain to Guide Lead Placement in Patients Receiving Cardiac Resynchronization Therapy. Presented at the American College of Cardiology National Meeting 2012. J. Am. Coll. Cardiol. 2012;59;E1115

Onishi T, **Onishi T**, Ahmed M, Marek J, Saba S, Schwartzman D, Gorcsan J. Activation Imaging: A Novel Approach to Three-Dimensional Mechanical Mapping Using Speckle Tracking Strain. Presented at the American College of Cardiology National Meeting 2012. J Am Coll Cardiol 2012;59;E1365

Onishi T, Onishi T, Oyenuga OA, Haberman SC, Saba S, Gorcsan J. Mitral regurgitation with mechanical dyssynchrony as a substrate associated with long-term survival after cardiac resynchronization therapy. Presented at the American Heart Association National Meeting 2011.

Onishi T, Oyenuga OA, Haberman SC, Onishi T, Adelstein EC, Saba S, Gorcsan J. The WISE Score: A new index for predicting outcome after cardiac resynchronization therapy using simple clinical data. Presented at the American Heart Association National Meeting 2011.

Onishi T, Haberman SC, Oyenuga OA, Onishi T, Tanaka T, Simon M, Champion H, Gorcsan J.

Three dimensional speckle tracking strain evaluation of right ventricular mechanics in patients with pulmonary arterial hypertension. Presented at the American Heart Association National Meeting 2011.

Onishi T, Onishi T, Oyenuga OA, Haberman SC, Saba S, Gorcsan J.
Relationship of post-systolic shortening to long-term survival after cardiac resynchronization therapy. Presented at the American Heart Association National Meeting 2011.

Oyenuga OA, Onishi T, Onishi T, Haberman SC, Adelstein EC, Saba S, Gorcsan J.
Acute reduction in mechanical dyssynchrony by speckle tracking strain after cardiac resynchronization therapy is associated with long term outcome. Presented at the American Heart Association National Meeting 2011

Onishi T, Saha SK, Ludwig D, Onishi T, Oyenuga OA, Schelbert EB, Schwartzman D, Gorcsan J.
Global circumferential strain from routine cardiac magnetic resonance image analysis using a novel off-line approach: Comparison with echocardiographic strain and left ventricular ejection fraction. Presented at the American Heart Association National Meeting 2011

Onishi T, Habib PJ, Oyenuga O, Haberman SC, Onishi T, Adelstein EC, Saba S, Gorcsan J, III
Impact of Left Ventricular Volumes on Survival Following Cardiac Resynchronization Therapy in Patients With and Without Ischemic Disease. Presented at the American College of Cardiology Scientific Session 2011

Oyenuga OA, Haberman SC, Onishi T, Onishi T, Adelstein EC, Saba S, Gorcsan J, III. Which echocardiographic marker of left ventricular response predicts long term survival after resynchronization therapy? Presented at American College of Cardiology Scientific Session 2011

Onishi T, Onishi T, Oyenuga O, Haberman SC, Saba S, Gorcsan J III. Acute reduction in post-systolic shortening velocity is associated with response to cardiac resynchronization therapy. Presented at the American College of Cardiology Scientific Session 2011.

Tetsuari Onishi, Toshinari Onishi, Olusegun Oyenuga, Stephanie C. Haberman, Dennis McNamara, John Gorcsan, III

Acute Reduction in Mitral Regurgitation after Cardiac Resynchronization Therapy Is Associated with Favorable Long Term Outcome. American College of Cardiology Scientific Session 2011

Akihiro Kaneko; Hidekazu Tanaka; Tetsuari Onishi; Takayuki Tsuji; Kouhei Yamawaki; Keiko Ryo; Alaa M Omar; Kazuhiro Tatsumi; Kensuke Matsumoto; Hiroya Kawai; Ken-ichi Hirata

Regional Myocardial Systolic Function Using Transmural Myocardial Strain Profile Predicts Postoperative Left Ventricular Systolic Dysfunction in Chronic Aortic Regurgitation. Presented at the American College of

Cardiology Scientific Session 2011

Tetsuari Onishi, Toshinari Onishi, Olusegun Oyenuga, Stephanie C. Haberman, Samir Saba, John Gorcsan, III.

Predictors of Improvement in Mitral Regurgitation in Heart Failure Patients Following Cardiac Resynchronization Therapy. Presented at the American Society of Echocardiography scientific session 2011

Tetsuari Onishi, Olusegun A. Oyenuga, Stephanie C. Haberman, Toshinari Onishi, Evan C. Adelstein, Dennis M. McNamara, John Gorcsan, III

Associations of Gender and Degree of Ventricular Dilatation on Long Term Survival after Cardiac Resynchronization Therapy. Presented at the American Society of Echocardiography scientific session 2011

Oyenuga OA, Onishi T, Onishi T, Haberman SC, Saba S, Gorcsan J.

Association of radial dyssynchrony assessed by six-segment standard deviation and long term outcome following cardiac resynchronization therapy. Presented at the 2011 American Society of Echocardiography scientific session 2011.

Onishi T, Kawai H, Ryo K, Yamawaki K, Omar A, Fukuda Y, Norisada K, Tatsumi K, Okita Y, Hirata K
Radial Systolic Strain Rate is a Reliable Predictor of Postoperative Left Ventricular Dysfunction in Chronic Aortic Regurgitation. Presented at the American Heart Association Scientific Session 2009.11 Orlando, FL

Onishi T, Kawai H, Ryo K, Yamawaki K, Omar A, Fukuda Y, Norisada K, Tatsumi K, Okita Y, Hirata K
Significance of Left Ventricular Dyssynchrony to Predict Postoperative Left Ventricular Systolic Dysfunction in Patients with Chronic Severe Aortic Regurgitation

The 20th American Society of Echocardiography Annual Scientific Sessions 2009.6 Washington DC

Onishi T, Kawai H, Ryo K, Yamawaki K, Omar A, Fukuda Y, Norisada K, Tatsumi K, Okita Y, Hirata K
Preoperative Systolic Strain Rate Predicts Midterm Left Ventricular Systolic Function after Surgical Correction in Patients with Chronic Aortic Regurgitation (YIA)

The 20th Japanese Society of Echocardiography Annual Scientific Sessions 2009.4 Kagawa, Japan.

Norisada K, Kawai H, Fukuda Y, Okada M, Tatsumi K, Onishi T, Hirata K

Preserved Systolic Function in Posterolateral Wall Predicts the Response to Cardiac Resynchronization Therapy in Patients with Heart Failure Assessed by Two-dimensional Speckle Tracking Echocardiography
Euro Echo 2008.12 France

Fukuda Y, Kawai H, Furuki M, Okada M, Norisada K, Tatsumi K, Onishi T, Hirata K

Long-term Response can be predicted by Short-term Response in Regional Diastolic Myocardial Function After Cardiac Resynchronization Therapy
Euro Echo 2008.12 France

Onishi T, Kawai H, Furuki M, Okada M, Norisada K, Tatsumi K, Kataoka T, Hirata K
Myocardial Radial Strain Rate Indicates Prognostic Significance in Asymptomatic Patients with Chronic Severe Aortic Regurgitation
American Heart Association Scientific Session 2008.11 New Orleans, LA

Tatsumi K, Kawai H, Furuki M, Okada M, Norisada K, Kataoka T, Onishi T, Hirata K
Value of Baseline Inferolateral Myocardial Contractile Function Assessed by Tissue Doppler Imaging to Predict Reduction of Functional Mitral Regurgitation with Low-Dose Dobutamine in Patients with Dilated Cardiomyopathy
American Heart Association Scientific Session 2008.11 New Orleans, LA

Onishi T, Kawai H, Furuki M, Okada M, Norisada K, Tatsumi K, Kataoka T, Hirata K
Left Ventricular Dyssynchrony Predicts Postoperative Left Ventricular Systolic Dysfunction in Patients with Chronic Severe Aortic Regurgitation; Assessment Using Tissue Doppler Radial Strain Imaging
European Society of Cardiology Congress 2008.9 Munich, Germany

Tatsumi K, Kawai H, Furuki M, Okada M, Norisada K, Kataoka T, Onishi T, Hirata K
Baseline Inferolateral Myocardial Contractile Function is Associated with Reduction of Functional Mitral Regurgitation with Dobutamine Assessed by Tissue Doppler Echocardiography
European Society of Cardiology Congress 2008.9 Munich, Germany

Onishi T, Kawai H, Furuki M, Okada M, Norisada K, Tatsumi K, Kataoka T, Hirata K
Prognostic Significance of Myocardial Radial Strain Rate in Asymptomatic Patients with Chronic Severe Aortic Regurgitation
The 19th American Society of Echocardiography Annual Scientific Sessions 2008.6 Toronto, ON, Canada.

Tatsumi K, Kawai H, Furuki M, Okada M, Norisada K, Kataoka T, Onishi T, Hirata K
Value of Baseline Inferolateral Myocardial Contractile Function Assessed by Tissue Doppler Echocardiography to Predict Reduction of Functional Mitral Regurgitation with Dobutamine in Patients with Dilated Cardiomyopathy
The 19th American Society of Echocardiography Annual Scientific Sessions 2008.6 Toronto, ON, Canada.

Norisada K, Kawai H, Okada M, Tatsumi K, Kataoka T, Onishi T, Hirata K
Preserved Systolic Function in the Region of Left Ventricular Pacing Lead Predicts the Response to Cardiac Resynchronization Therapy in Patients with Heart Failure Assessed by Two-dimensional Speckle Tracking

Echocardiography

The 19th American Society of Echocardiography Annual Scientific Sessions 2008.6 Toronto, ON, Canada.

Norisada K, Kawai H, Okada M, Tatsumi K, Kataoka T, Onishi T, Hirata K

Myocardial Systolic Function in the Region of Left Ventricular Pacing Lead Predicts the Acute Response to Cardiac Resynchronization Therapy in Patients with Heart Failure Assessed by Two-dimensional Speckle Tracking Echocardiography

American College of Cardiology 2008.3

Onishi T, Kawai H, Okada M, Norisada K, Tatsumi K, Kataoka T, Hirata K

Prognostic value of myocardial peak systolic strain rate in asymptomatic patients with chronic severe aortic regurgitation

The 72th Annual Scientific Meeting of the Japanese Circulation Society 2008.3 Fukuoka, Japan

Norisada K, Kawai H, Okada M, Tatsumi K, Kataoka T, Onishi T, Hirata K

Myocardial Systolic Function in the Region of Left Ventricular Pacing Lead Predicts the Acute Response to Cardiac Resynchronization Therapy in Patients with Heart Failure Assessed by Two-dimensional Speckle Tracking Echocardiography

The 72th Annual Scientific Meeting of the Japanese Circulation Society 2008.3 Fukuoka, Japan

Okada M, Kawai H, Norisada K, Tatsumi K, Kataoka T, Onishi T, Hirata K

Association of Left Ventricular Afterload Mismatch with Reduced Myocardial Contractile Reserve in Reverse-remodeled Dilated Cardiomyopathy Patients Assessed by Strain Imaging

The 72th Annual Scientific Meeting of the Japanese Circulation Society 2008.3 Fukuoka, Japan

Kataoka T, Kawai H, Okada M, Norisada K, Tatsumi K, Kataoka T, Onishi T, Hirata K

The Usefulness of Left Atrial Strain and Strain Rate for Evaluating Left Atrial Function in Patients with Hypertrophic Cardiomyopathy

The 72th Annual Scientific Meeting of the Japanese Circulation Society 2008.3 Fukuoka, Japan

Onishi T, Kawai H, Okada M, Norisada K, Tatsumi K, Kataoka T, Hirata K

Prognostic importance of myocardial peak systolic strain rate in asymptomatic patients with chronic aortic regurgitation

Euro Echo 2007.11 Lisbon, Portugal

Onishi T, Kawai H, Okada M, Norisada K, Tatsumi K, Kataoka T, Hirata K

Impact of Left Ventricular Peak Systolic Strain Rate as Prognostic Index in Asymptomatic Patients with Chronic Aortic Regurgitation

The Society of Heart Valve Disease Biennial Session 2007.5 New York, NY

Kataoka T, Kawai H, Okada M, Norisada K, Tatsumi K, Kataoka T, Onishi T, Hirata K

The Usefulness of Left Atrial Strain and Strain Rate Indices for Evaluating Left Atrial Reservoir and Booster Pump Function in Patients with Left Ventricular Dysfunction

18th American Society of Echocardiography Annual Scientific Sessions 2007.6 Baltimore, MD

Onishi T, Kawai H, Furuki M, Tatsumi K, Kataoka T, Tanaka H, Yokoyama M

Preoperative Systolic Strain Rate Predicts Postoperative Left Ventricular Systolic Function in Patients with Chronic Aortic Regurgitation

The 71th Annual Scientific Meeting of the Japanese Circulation Society 2007.3 Kobe, Japan

Onishi T, Kawai H, Furuki M, Tatsumi K, Kataoka T, Tanaka H, Yokoyama M

Preoperative Systolic Strain Rate Predicts Postoperative Left Ventricular Systolic Function in Patients with Chronic Aortic Regurgitation

EuroEcho 2006.12 Prague, Czech

Tatsumi K, Kawai H, Furuki M, Kataoka T, Onishi T, Tanaka H, Yokoyama M

Reduction of Functional Mitral Regurgitation is Associated with Improving Inferior Myocardial Systolic Function with Low-dose Dobutamine Assessed by Tissue Doppler Imaging

EuroEcho 2006.12 Prague, Czech

Onishi T, Kawai H, Furuki M, Tatsumi K, Kataoka T, Tanaka H, Yokoyama M

Preoperative Regional Myocardial Systolic Index Predicts Postoperative Left Ventricular Systolic Function in Patients with Chronic Aortic Regurgitation Assessed by Tissue Doppler Strain Rate Imaging.

American Heart Association 2006.11 Chicago, USA

Tatsumi K, Kawai H, Furuki M, Kataoka T, Onishi T, Tanaka H, Yokoyama M

Reduction of Functional Mitral Regurgitation is Associated with Improving Inferior Myocardial Systolic Function with Low-dose Dobutamine in Patients with Dilated Cardiomyopathy Assessed by Tissue Doppler Echocardiography.

American Heart Association 2006.11 Chicago, USA

Tanaka H, Kawai H, Onishi T, Furuki M, Tatsumi K, Kataoka T, Yokoyama M

Relationship Between Global and Regional Left Ventricular Systolic and Diastolic Function in Patients with Coronary Artery Disease Assessed by Strain Rate Imaging

European Society of Cardiology Congress 2006.9 Barcelona

Onishi T, Kawai H, Furuki M, Tatumi K, Kataoka T, Tanaka H, Yokoyama M
Prediction of Left Ventricular Systolic Function after Surgical Correction with Regional Myocardial Peak Systolic Strain Rate Assessed by Tissue Doppler Echocardiography in Patients with Chronic Aortic Regurgitation
European Society of Cardiology Congress 2006.9 Balcerona

Tanaka H, Kawai H, Furuki M, Tatsumi K, Kataoka T, Onishi T, Yokoyama M.
Relationship between global and regional left ventricular systolic and diastolic function in patients with coronary artery disease assessed by strain rate imaging.
17th American Society of Echocardiography Annual Scientific Sessions 2006.6 Baltimore, MD

Tanaka H, Kawai H, Furuki M, Tatsumi K, Kataoka T, Onishi T, Yokoyama M.
Acute response to cardiac resynchronization therapy in patients with segmental paradoxical systolic expansion assessed by strain imaging.
17th American Society of Echocardiography Annual Scientific Sessions 2006.6 Baltimore, MD

Onishi T, Kawai H, Furuki M, Tatsumi K, Kataoka T, Tanaka H, Yokoyama M.
Assessment of regional myocardial systolic function in chronic aortic regurgitation before and after surgical correction using transmural myocardial strain profile.
17th American Society of Echocardiography Annual Scientific Sessions 2006.6 Baltimore, MD

Tatsumi K, Kawai H, Furuki M, Kataoka T, Onishi T, Tanaka H, Yokoyama M.
Reduction of functional mitral regurgitation is associated with improving inferior myocardial systolic function by low-dose dobutamine administration assessed by tissue Doppler imaging.
17th American Society of Echocardiography Annual Scientific Sessions 2006.6 Baltimore, MD

Tanaka H, Kawai H, Furuki M, Tatsumi K, Kataoka T, Onishi T, Yokoyama M.
Relationship between left ventricular chamber function and myocardial function.
The 79th Annual Scientific Meeting of the Japanese Society of Ultrasonics in Medicine 2006.5 Osaka Japan

Onishi T, Kawai H, Furuki M, Tatsumi K, Kataoka T, Tanaka H, Yokoyama M.
Changes in left ventricular global and regional function by surgical correction in patients with chronic aortic regurgitation.
The 79th Annual Scientific Meeting of the Japanese Society of Ultrasonics in Medicine 2006.5 Osaka Japan

Tanaka H, Kawai H, Furuki M, Tatsumi K, Kataoka T, Onishi T, Yokoyama M.
Improved regional myocardial diastolic function assessed by strain rate imaging in patients with coronary artery disease undergoing percutaneous coronary intervention.

The 17th Annual Scientific Meeting of the Japanese Society of echocardiography 2006.4 Saitama, Japan

Tanaka H, Kawai H, Furuki M, Tatsumi K, Kataoka T, Onishi T, Yokoyama M.

Acute response to cardiac resynchronization therapy in patients with segmental paradoxical systolic expansion assessed by strain imaging.

The 17th Annual Scientific Meeting of the Japanese Society of echocardiography 2006.4 Saitama, Japan

Kataoka T, Kawai H, Furuki M, Tatsumi K, Onishi T, Tanaka H, Yokoyama M.

New tracking method for assessment of atrial function using strain/strain rate imaging.

The 17th Annual Scientific Meeting of the Japanese Society of echocardiography 2006.4 Saitama, Japan

Tanaka H, Kawai H, Furuki M, Tatsumi K, Kataoka T, Onishi T, Yokoyama M. Assessment of regional intramyocardial function using strain rate imaging in patients with coronary artery disease during low-dose dobutamine stress echocardiography

The 70th Annual Scientific Meeting of the Japanese Circulation Society 2006.3 Nagoya, Japan

Onishi T, Kawai H, Furuki M, Tatsumi K, Kataoka T, Tanaka H, Yokoyama M.

Improved in regional myocardial systolic function assessed by transmural myocardial strain profile after surgical correction for chronic aortic regurgitation. (Featured Moderated Presentation)

The 70th Annual Scientific Meeting of the Japanese Circulation Society 2006.3 Nagoya, Japan

Tatsumi K, Kawai H, Furuki M, Kataoka T, Onishi T, Tanaka H, Yokoyama M.

Quantitative assessment of the functional mitral regurgitation during dobutamine stress by tissue Doppler imaging.

The 70th Annual Scientific Meeting of the Japanese Circulation Society 2006.3 Nagoya, Japan

Tanaka H, Kawai H, Tatsumi K, Kataoka T, Onishi T, Mizoguchi T, Yokoyama M. Improvement of regional myocardial diastolic function in patients with coronary artery disease undergoing percutaneous coronary intervention as assessed by strain rate imaging.

European Society of Cardiology Congress 2005 2005.9 Stockholm, Sweden

Onishi T, Kawai H, Tatsumi K, Kataoka T, Tanaka H, Yokoyama M.

Quantitative assessment of regional myocardial systolic function in patients with chronic aortic regurgitation after surgical correction using strain rate imaging.

The 53th Annual Scientific Session of the Japanese College of Cardiology 2005.9 Osaka, Japan

Onishi T, Kawai H, Tatsumi K, Kataoka T, Tanaka H, Yokoyama M.

Assessment of regional myocardial function in patients with chronic aortic regurgitation using strain imaging.

The 53th Annual Scientific Session of the Japanese College of Cardiology 2005.9 Osaka, Japan

Tanaka H, Kawai H, Tatsumi K, Kataoka T, Onishi T, Mizoguchi T, Yokoyama M. Improvement of regional myocardial diastolic function in patients with coronary artery disease undergoing percutaneous coronary intervention as assessed by strain rate imaging.

16th American Society of Echocardiography Annual Scientific Sessions 2005.6 Boston, MA

Onishi T, Kawai H, Tatsumi K, Kataoka T, Tanaka H, Mizoguchi T, Yokoyama M.

Assessment of left ventricular regional myocardial systolic function in chronic aortic regurgitation.

The 78th Annual Scientific Meeting of the Japanese Society of Ultrasonics in Medicine 2005.5 Tokyo, Japan

Onishi T, Kawai H, Tatsumi K, Kataoka T, Tanaka H, Mizoguchi T, Yokoyama M.

Assessment of regional myocardial systolic function assessed by strain rate imaging after surgical correction for chronic aortic regurgitation.

The 16th Annual Scientific Meeting of the Japanese Society of echocardiography 2005.4 Kobe, Japan

Tanaka H, Kawai H, Tatsumi K, Kataoka T, Onishi T, Mizoguchi T, Yokoyama M

Myocardial distribution of systolic strain during low-dose dobutamine stress echocardiography using strain profile

The 69th Annual Scientific Meeting of the Japanese Circulation Society 2005.3 Yokohama, Japan

Tanaka H, Kawai H, Onishi T, Nose T, Mizoguchi T, Yokoyama M.

Assessment of the location of peak systolic strain in the myocardium using strain profile

The 52th Annual Scientific Session of the Japanese College of Cardiology 2004.9 Kyoto, Japan

Mizoguchi T, Kawai H, Onishi T, Tanaka H, Nose T, Yokoyama M.

Characterization of transmural profile of regional myocardial systolic function in hypertrophic cardiomyopathy

The 52th Annual Scientific Session of the Japanese College of Cardiology 2004.9 Kyoto, Japan

Tanaka H, Kawai H, Onishi T, Nose T, Mizoguchi T, Yokoyama M.

Quantitative assessment of regional myocardial function during low-dose dobutamine stress echocardiography using strain rate imaging.

The 77th Annual Scientific Meeting of the Japanese Society of Ultrasonics in Medicine 2004.5 Utsunomiya, Japan

Mizoguchi T, Kawai H, Onishi T, Tanaka H, Nose T, Yokoyama M.

Impaired regional myocardial function in hypertrophic cardiomyopathy assessed by strain rate imaging.

The 77th Annual Scientific Meeting of the Japanese Society of Ultrasonics in Medicine 2004.5 Utsunomiya, Japan

Mizoguchi T, Kawai H, Onishi T, Tanaka H, Nose T, Yokoyama M.

Characterization of transmural profile in hypertrophic cardiomyopathy as assessed by strain rate imaging.

The 15th Annual Scientific Meeting of the Japanese Society of echocardiography 2004.4 Tokyo, Japan

Mizoguchi T, Kawai H, Onishi T, Tanaka H, Nose T, Yokoyama M

Characterization of transmural profile of systolic myocardial strain rate in hypertrophic cardiomyopathy

The 68th Annual Scientific Meeting of the Japanese Circulation Society 2004.3 Tokyo, Japan

Mizoguchi T, Kawai H, Onishi T, Tanaka H, Nose T, Yokoyama M

Impaired regional myocardial strain rate in hypertrophic cardiomyopathy assessed by tissue Doppler echocardiography

The 68th Annual Scientific Meeting of the Japanese Circulation Society 2004.3 Tokyo, Japan