Stanford



Fumiaki Ikeno

Program Director (U.S) Japan Biodesign, Stanford Biodesign, Medicine - Med/ Cardiovascular Medicine

Bio

BIO

Program Director (U.S) Japan Biodesign, Stanford Biodesign

Researcher Cardiovascular Medicine, Stanford University

Faculty of Japan Reach, CARE (Center for Asian Health Research and Education) , Stanford University

Co-Director of Asia, SPARK Global, Stanford SPARK , Stanford University

Dr. Ikeno is a Researcher, Cardiovascular Medicine, Stanford University. In this role, he is responsible for pre clinical studies including GLP for medical devices and also regenerative medicines for cardiovascular diseases. Currently, he is devoting himself to the international regulatory project between Japan and the United States, also known as "Harmonization by Doing", whose focus is to collaborate with regulatory agencies such as FDA, PMDA/ MHLW, academia and industries for improving the regulatory process in the 2 largest medtech markets. Dr. Ikeno also devoted himself to found Japan biodesign program which is a collaborative program with University of Tokyo, Osaka University, Tohoku University, Japan Federation Medical Device Association, Ministry of Education Japan and Stanford biodesign program. Currently, Dr. Ikeno serves as the Program Director (US) for Japan Biodesign. Dr. Ikeno is co-founder and board member of US-Japan MedTech Frontier which is a non-profit cooperate to make a trans-pacific eco-system of medical device between Japan and USA.

After 9 years clinical practice as an interventional cardiologist and Family Doctor in rural areas of Japan, Dr. Ikeno came to Stanford as a Researcher and completed his Biodesign Certificate Program. Being part of the ecosystem in Silicon Valley, Dr. Ikeno participated in more than 200 medtech projects and 50 GLP studies as well as in the analysis of clinical trials for cardiovascular medicine (BARI2D, FAME, ReOPEN etc). His other academic consortium projects include Peripheral Academic Research Consortium, Global Consensus Working Group of Optical Coherence Tomography, and Japan-US consensus document for the treatment of critical limb ischemia.

Over the last decade, Dr. Ikeno has served as an advisor for medical device industries and currently serves as a chief medical officer of an incubation fund specific for medtech (Medventure Partners, Inc, Tokyo) as a spin-off from Innovation Network Corporation of Japan (INCJ) that is the largest government and private partnership fund in Japan. He is also serving as a chair of cardiovascular working group of APAN (Asian Pacific Advanced Network) that contributes the remote education, research activities, and tele-health using a specialized internet network. Dr.Ikeno is also serving as consulting faculty/lecturer roles in several universities in Japan including University of Tokyo, Osaka University, Tsukuba University etc. Dr. Ikeno has authored over 70 peer reviewed publications and textbooks and has been invited to lecture at international medical conferences. Dr. Ikeno is a council

member of U.S.- Japan Council which is a non-profit organization by Japanese American. He is serving as a mentor for START-X MED which is an accelerating program for Stanford related entrepreneurs in medical fields.

Contact Information

Falk CVRC CV007
300 Pasteur Drive
Palo Alto, CA 94305-5406

ACADEMIC APPOINTMENTS

- Program Director (U.S) Japan Biodesign, Stanford Biodesign, Medicine - Med/Cardiovascular Medicine
- Member (Staff), Cardiovascular Institute

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Advisory Faculty, Japan Biodesign (2015 - present)
- Board Member, Japan Biodesign Association (2015 - present)
- Visiting Profesor, Kinki University (2018 - present)
- Visiting Professor, Tohoku University Hospital (2018 - present)
- Visiting Lecturer, University of Tokyo, Japan (2016 - present)
- Consulting Professor, Osaka University, Japan (2015 - present)
- Advisor, Kyushu University, California Office (2011 - present)
- Visiting Professor, Tsukuba University, Japan (2016 - present)
- Visiting Professor, Hiroshima University, Japan (2016 - present)
- Visiting Professor, Kyushu Institute of Technology, Japan (2016 - present)
- Visiting Professor, Shizuoka University, Japan (2016 - present)
- Visiting Researcher, Waseda University (2017 - present)
- Visiting Lecture, Tottori University, Japan (2016 - present)

PROFESSIONAL EDUCATION

- PhD Candidate, Waseda University/Tokyo Women's Medical Collage , Biomedical Engineering (2018)
- Certificate, Stanford Biodesign, Graduate Student, Biodesign Certificate Program · Stanford, California , Medical Device (2007)
- Post Doctral Fellow, Division of Cardiovascular Medicine, School of Medicine, Stanford University , Cardiology (2004)
- M.D., Jichi Medical University, Japan , Medicine (1992)

SERVICE, VOLUNTEER, AND COMMUNITY WORK

- Council Leader, U.S-Japan Council (2015)
- Member, The International Working Group for Intracoronary OCT Standardization And Validation (2008)
- Member, PARC (Peripheral Artery Disease Research Consortium) (2012)
- Member, Japan-US Critical Limb Ischemia Consensus Document Organizing committee (2011)
- Steering Committee member, U.S. - Japan Medical Device Harmonization by Doing (HBD) (2009)
- Board member (2012)

LINKS

- Biodesign Program: http://biodesign.stanford.edu/bdn/index.jsp
- The Japan Biodesign Association: http://www.jamti.or.jp/en/
- US-Japan MedTech Frontier: http://www.usjmf.org
- U.S.-Japan Council: http://www.usjapancouncil.org
- Nihon Ikou-Monozukuri Commons: http://www.ikou-commons.com
- MedVenture Partners, Inc: http://www.medvp.co.jp/english/index.html

Professional

PROFESSIONAL INTERESTS

Preclinical research of medical devices in cardiovascular medicine, regenerative medicine. Clinical research of cardiovascular medicine, Medical device development

WORK EXPERIENCE

- Resident - Shizuoka Municipal Hospital (April 1, 1992 - March 31, 1994)
- Clinical Fellow - Yaizu Municipal Hospital (4/1/1994 - 3/31/1997)
- Chief - Sakuma Hospital (April 1, 1997 - March 31, 2001)

Publications

PUBLICATIONS

- **Cost-Effectiveness of Atrioventricular Synchronous Leadless Pacing in Patients With Atrioventricular Block: Results and Implications From an Exploratory Analysis for Japan.** *Circulation reports*
  Satomi, K., Soejima, K., Kusano, K., Myung, J. E., Tanaka, Y., Ryschon, A. M., Geisler, B. P., Ikeno, F., Pietzsch, J. B.
  2026; 8 (7): 1141-1150
- **Cross-country comparison of perinatal outcomes between japanese mothers in the united states and japan: a cross-sectional study.** *BMJ public health*
  Mito, A., Tomita, H., Iwama, N., Kawai, S., Helkey, D., Obara, T., Huang, R. J., Hamada, H., Noda, A., Ishikuro, M., Kuriyama, S., Ikeno, F., Arata, et al
  2026; 4 (2): e003729
- **Cross-country comparison of perinatal outcomes between japanese mothers in the united states and japan: a cross-sectional study** *BMJ PUBLIC HEALTH*
  Mito, A., Tomita, H., Iwama, N., Kawai, S., Helkey, D., Obara, T., Huang, R. J., Hamada, H., Noda, A., Ishikuro, M., Kuriyama, S., Ikeno, F., Arata, et al
  2026; 4 (2)
- **Cost-Effectiveness of Atrioventricular Synchronous Leadless Pacing in Patients With Atrioventricular Block — Results and Implications From an Exploratory Analysis for Japan —** *CIRCULATION REPORTS*
  Satomi, K., Soejima, K., Kusano, K., Myung, J., Tanaka, Y., Ryschon, A. M., Geisler, B. P., Ikeno, F., Pietzsch, J. B.
  2026
- **A novel theoretical model and experimental validation of backup force in percutaneous coronary intervention.** *Cardiovascular intervention and therapeutics*
  Sumitsuji, S., Murakami, Y., Ikeno, F., Sadamatsu, K.
  2026
- **Global medical device clinical trials involving both the United States and Japan: Key considerations for development, regulatory approval, and conduct.** *Cardiovascular revascularization medicine : including molecular interventions*
  Iwamoto, S., Cavanaugh, K., Malone, M., Lottes, A., Thatcher, R., Kumar, K., Rowland, S., Fearnot, N., Uchida, T., Iwaishi, C., Senshu, K., Konishi, R., Ikeda, et al

2023

- **The associations of the national health and productivity management program with corporate profits in Japan.** *Epidemiology and health*
  Yano, Y., Kanegae, H., Node, K., Mizuno, A., Nishiyama, A., Rakugi, H., Itoh, H., Kitaoka, K., Kashihara, N., Ikeno, F., Tsuji, I., Okada, K.
  2022: e2022080

- **Cultivating design thinking skills through the biodesign process in Japan** *BMJ INNOVATIONS*
  Kiriyama, H., Kakihiana, T., Maeda, Y., Sugimoto, M., Machida, M., Inoue, T., Ikeno, F., Komuro, I., Ono, M.
  2022

- **Japan-USA orbital atherectomy for calcific coronary lesions: COAST study, Hharmonization by Doing proof-of-concept.** *Cardiovascular revascularization medicine : including molecular interventions*
  Martinsen, B. J., Kumar, K., Saito, S., Sharma, S. K., Ikeno, F., Fearnot, N. E., Shlofmitz, R. A., Thatcher, R., Krucoff, M. W.
  2021

- **In Vivo Translation of the CIRPI System: Revealing Molecular Pathology of Rabbit Aortic Atherosclerotic Plaques** *JOURNAL OF NUCLEAR MEDICINE*
  Zaman, R. T., Yousefi, S., Chibana, H., Ikeno, F., Long, S. R., Gambhir, S. S., Chin, F. T., McConnell, M. V., Xing, L., Yeung, A.
  2019; 60 (9): 1308–16

- **In Vivo Translation of the CIRPI System---Revealing Molecular Pathology of Rabbit Aortic Atherosclerotic Plaques.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
  Zaman, R., Yousufi, S., Chibana, H., Ikeno, F., Long, S. R., Gambhir, S. S., Chin, F. T., McConnell, M. V., Xing, L., Yeung, A.
  2019

- **The East-West late lumen loss study: Comparison of angiographic late lumen loss between Eastern and Western drug-eluting stent study cohorts.** *American heart journal*
  Harrison, R. W., Radhakrishnan, V., Allen, J. C., Lam, P. S., Allocco, D. J., Brar, S., Fahy, M., Zhang, Z., Fisher, R., Ikeno, F., Genereux, P., Kimura, T., Liu, et al
  2018; 206: 61–71

- **Design Strategies for Global Clinical Trials of Endovascular Devices for Critical Limb Ischemia (CLI) - A Joint USA-Japanese Perspective -** *CIRCULATION JOURNAL*
  Yokoi, H., Ho, M., Iwamoto, S., Suzuki, Y., Ansel, G. M., Azuma, N., Handa, N., Iida, O., Ikeda, K., Ikeno, F., Ohura, N., Rosenfield, K., Rundback, et al
  2018; 82 (9): 2233–39

- **BAQALC: Blockchain Applied Lossless Efficient Transmission of DNA Sequencing Data for Next Generation Medical Informatics** *APPLIED SCIENCES-BASEL*
  Lee, S., Cho, G., Ikeno, F., Lee, T.
  2018; 8 (9)

- **Usability of cardiac magnetic resonance imaging for procedural myocardial infarction undergoing rotational atherectomy.** *Journal of thoracic disease*
  Chibana, H., Ikeno, F.
  2018; 10 (Suppl 26): S3237-S3240

- **BUDGET IMPACT OF ORBITAL ATHERECTOMY COMPARED TO ROTATIONAL ATHERECTOMY IN PATIENTS WITH SEVERELY CALCIFIED CORONARY ARTERY LESIONS IN JAPAN**
  Pietzsch, J. B., Geisler, B. P., Ikeno, F.
  ELSEVIER SCIENCE INC.2018: S69

- **Usability of cardiac magnetic resonance imaging for procedural myocardial infarction undergoing rotational atherectomy** *JOURNAL OF THORACIC DISEASE*
  Chibana, H., Ikeno, F.
  2018; 10: S3237–S3240

- **Dose-Dependent Cardioprotection of Moderate (32°C) Versus Mild (35°C) Therapeutic Hypothermia in Porcine Acute Myocardial Infarction.** *JACC. Cardiovascular interventions*
  Dash, R. n., Mitsutake, Y. n., Pyun, W. B., Dawoud, F. n., Lyons, J. n., Tachibana, A. n., Yahagi, K. n., Matsuura, Y. n., Kolodgie, F. D., Virmani, R. n., McConnell, M. V., Illindala, U. n., Ikeno, et al
  2018; 11 (2): 195–205

- **Differences in Vascular Response between Balloon Overstretch and Stent Overexpansion in Nonatherosclerotic Porcine Coronary Arteries.** *Comparative medicine*
  Mitsutake, Y., Reifart, J., Pyun, W. B., Lyons, J. K., Deuse, T., Schrepfer, S., Ikeno, F.
  2017; 67 (4): 350-355

- **Improvement of Local Cell Delivery Using Helix Transendocardial Delivery Catheter in a Porcine Heart.** *International heart journal*
  Mitsutake, Y., Pyun, W. B., Rouy, D., Foo, C. W., Stertzer, S. H., Altman, P., Ikeno, F.
  2017; 58 (3): 435-440

- **SYNTAX Score and Long-Term Outcomes The BARI-2D Trial** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Ikeno, F., Brooks, M. M., Nakagawa, K., Kim, M., Kaneda, H., Mitsutake, Y., Vlachos, H. A., Schwartz, L., Frye, R. L., Kelsey, S. F., Waseda, K., Hlatky, M. A.
  2017; 69 (4): 395-403

- **Clinical value of post-percutaneous coronary intervention fractional flow reserve value: A systematic review and meta-analysis** *AMERICAN HEART JOURNAL*
  Rimac, G., Fearon, W. F., De Bruyne, B., Ikeno, F., Matsuo, H., Piroth, Z., Costerousse, O., Bertrand, O. F.
  2017; 183: 1-9

- **Assessment of bioresorbable scaffold with a novel high-definition 60 MHz IVUS imaging system: Comparison with 40-MHz IVUS referenced to optical coherence tomography.** *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*
  Okada, K. n., Kitahara, H. n., Mitsutake, Y. n., Tanaka, S. n., Kimura, T. n., Yock, P. G., Fitzgerald, P. J., Ikeno, F. n., Honda, Y. n.
  2017

- **Cost-effectiveness of orbital atherectomy compared to rotational atherectomy in treating patients with severely calcified coronary artery lesions in Japan.** *Cardiovascular intervention and therapeutics*
  Pietzsch, J. B., Geisler, B. P., Ikeno, F. n.
  2017

- **Correction to: Cost-effectiveness of orbital atherectomy compared to rotational atherectomy in treating patients with severely calcified coronary artery lesions in Japan.** *Cardiovascular intervention and therapeutics*
  Pietzsch, J. B., Geisler, B. P., Ikeno, F. n.
  2017

- **Rationale and design of the East-West late lumen loss study: Comparison of late lumen loss between Eastern and Western drug-eluting stent study cohorts** *AMERICAN HEART JOURNAL*
  Harrison, R. W., Radhakrishnan, V., Lam, P. S., Allocco, D. J., Brar, S., Fahy, M., Fisher, R., Ikeno, F., Genereux, P., Kimura, T., Liu, M., Lye, W. K., Mintz, et al
  2016; 182: 103-110

- **Multimodality Molecular Imaging of Cardiac Cell Transplantation: Part II. In Vivo Imaging of Bone Marrow Stromal Cells in Swine with PET/CT and MR Imaging.** *Radiology*
  Parashurama, N., Ahn, B., Ziv, K., Ito, K., Paulmurugan, R., Willmann, J. K., Chung, J., Ikeno, F., Swanson, J. C., Merk, D. R., Lyons, J. K., Yerushalmi, D., Teramoto, et al
  2016; 280 (3): 826-836

- **Multimodality Molecular Imaging of Cardiac Cell Transplantation: Part I. Reporter Gene Design, Characterization, and Optical in Vivo Imaging of Bone Marrow Stromal Cells after Myocardial Infarction.** *Radiology*
  Parashurama, N., Ahn, B., Ziv, K., Ito, K., Paulmurugan, R., Willmann, J. K., Chung, J., Ikeno, F., Swanson, J. C., Merk, D. R., Lyons, J. K., Yerushalmi, D., Teramoto, et al
  2016; 280 (3): 815-825

- **Acute stent recoil and optimal balloon inflation strategy: an experimental study using real-time optical coherence tomography.** *EuroIntervention*
  Kitahara, H., Waseda, K., Yamada, R., Otagiri, K., Tanaka, S., Kobayashi, Y., Okada, K., Kume, T., Nakagawa, K., Teramoto, T., Ikeno, F., Yock, P. G., Fitzgerald, et al
  2016; 12 (2): e190-8

- **Quantitative precision of optical frequency domain imaging: direct comparison with frequency domain optical coherence tomography and intravascular ultrasound.** *Cardiovascular intervention and therapeutics*
  Kobayashi, Y., Kitahara, H., Tanaka, S., Okada, K., Kimura, T., Ikeno, F., Yock, P. G., Fitzgerald, P. J., Honda, Y.

2016; 31 (2): 79-88

- **Transcatheter Alcohol-Mediated Perivascular Renal Denervation With the Peregrine System First-in-Human Experience** *JACC-CARDIOVASCULAR INTERVENTIONS*
  Fischell, T. A., Ebner, A., Gallo, S., Ikeno, F., Minarsch, L., Vega, F., Haratani, N., Ghazarossian, V. E.
  2016; 9 (6): 589-598
- **Transcatheter Alcohol-Mediated Perivascular Renal Denervation With the Peregrine System: First-in-Human Experience.** *JACC. Cardiovascular interventions*
  Fischell, T. A., Ebner, A., Gallo, S., Ikeno, F., Minarsch, L., Vega, F., Haratani, N., Ghazarossian, V. E.
  2016; 9 (6): 589-98
- **Therapeutic Hypothermia for Cardioprotection in Acute Myocardial Infarction.** *Yonsei medical journal*
  Kang, I. S., Fumiaki, I., Pyun, W. B.
  2016; 57 (2): 291-7
- **Serial changes of coronary endothelial function and arterial healing after paclitaxel-eluting stent implantation.** *Cardiovascular intervention and therapeutics*
  Mitsutake, Y., Ueno, T., Ikeno, F., Yokoyama, S., Sasaki, K., Nakayoshi, T., Itaya, N., Chibana, H., Sasaki, M., Fukumoto, Y.
  2016; 31 (1): 21-28
- **Manganese-Enhanced Magnetic Resonance Imaging Enables In Vivo Confirmation of Peri-Infarct Restoration Following Stem Cell Therapy in a Porcine Ischemia-Reperfusion Model.** *Journal of the American Heart Association*
  Dash, R., Kim, P. J., Matsuura, Y., Ikeno, F., Metzler, S., Huang, N. F., Lyons, J. K., Nguyen, P. K., Ge, X., Foo, C. W., McConnell, M. V., Wu, J. C., Yeung, et al
  2015; 4 (7)
- **Evaluation and Treatment of Patients With Lower Extremity Peripheral Artery Disease Consensus Definitions From Peripheral Academic Research Consortium (PARC)** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Patel, M. R., Conte, M. S., Cutlip, D. E., Dib, N., Geraghty, P., Gray, W., Hiatt, W. R., Ho, M., Ikeda, K., Ikeno, F., Jaff, M. R., Jones, W. S., Kawahara, et al
  2015; 65 (9): 931-941
- **Efficacy and Safety of Novel Multi-Lumen Catheter for Chronic Total Occlusions: From Preclinical Study to First-in-Man Experience** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*
  Mitsutake, Y., Ebner, A., Yeung, A. C., Taber, M. D., Davidson, C. J., Ikeno, F.
  2015; 85 (3): E70-E75
- **Optical Coherence Tomography of Pulmonary Arterial Walls in Humans and Pigs (Sus scrofa domesticus).** *Comparative medicine*
  Brunner, N. W., Zamanian, R. T., Ikeno, F., Mitsutake, Y., Connolly, A. J., Shuffle, E., Yuan, K., Orcholski, M., Lyons, J., de Jesus Perez, V. A.
  2015; 65 (3): 217-224
- **Echocardiographic and Electrocardiographic Characteristics of Male and Female Squirrel Monkeys (Saimiri spp.).** *Journal of the American Association for Laboratory Animal Science*
  Huss, M. K., Ikeno, F., Buckmaster, C. L., Albertelli, M. A.
  2015; 54 (1): 25-28
- **Manganese-Enhanced Magnetic Resonance Imaging Enables In Vivo Confirmation of Peri-Infarct Restoration Following Stem Cell Therapy in a Porcine Ischemia-Reperfusion Model.** *Journal of the American Heart Association*
  Dash, R., Kim, P. J., Matsuura, Y., Ikeno, F., Metzler, S., Huang, N. F., Lyons, J. K., Nguyen, P. K., Ge, X., Wong Po Foo, C., McConnell, M. V., Wu, J. C., Yeung, et al
  2015; 4 (7)
- **Dichloroacetate prevents restenosis in preclinical animal models of vessel injury.** *Nature*
  Deuse, T., Hua, X., Wang, D., Maegdefessel, L., Heeren, J., Scheja, L., Bolaños, J. P., Rakovic, A., Spin, J. M., Stubbendorff, M., Ikeno, F., Länger, F., Zeller, et al
  2014; 509 (7502): 641-644
- **Dichloroacetate prevents restenosis in preclinical animal models of vessel injury.** *Nature*
  Deuse, T., Hua, X., Wang, D., Maegdefessel, L., Heeren, J., Scheja, L., Bolaños, J. P., Rakovic, A., Spin, J. M., Stubbendorff, M., Ikeno, F., Länger, F., Zeller, et al
  2014; 509 (7502): 641-644

- **Patient access to medical devices-what about Japan, the second largest medical device market?** *Cardiovascular intervention and therapeutics*
  Ikeno, F., Ikeda, K., Uchida, T.
  2014; 29 (1): 1-3

- **Histological characteristics of myocardial bridge with an ultrasonic echolucent band. Comparison between intravascular ultrasound and histology.** *Circulation journal*
  Yamada, R., Turcott, R. G., Connolly, A. J., Ikeno, F., McConnell, M. V., Schnittger, I., Fitzgerald, P. J., Honda, Y.
  2014; 78 (2): 502-504

- **Response to letter regarding article, "fractional flow reserve assessment of left main stenosis in the presence of downstream coronary stenoses".** *Circulation. Cardiovascular interventions*
  Yong, A. S., Daniels, D., Kim, H., Ikeno, F., Lyons, J., Fearon, W. F., Pijls, N. H., De Bruyne, B.
  2013; 6 (4)

- **The Role of Large Animal Studies in Cardiac Regenerative Therapy Concise Review of Translational Stem Cell Research** *KOREAN CIRCULATION JOURNAL*
  Kwon, S. U., Yeung, A. C., Ikeno, F.
  2013; 43 (8): 511-518

- **Global Cardiovascular Device Innovation: Japan-USA Synergies - Harmonization by Doing (HBD) Program, a Consortium of Regulatory Agencies, Medical Device Industry, and Academic Institutions -** *CIRCULATION JOURNAL*
  Uchida, T., Ikeno, F., Ikeda, K., Suzuki, Y., Todaka, K., Yokoi, H., Thompson, G., Krucoff, M., Saito, S.
  2013; 77 (7): 1714-1718

- **Fractional flow reserve assessment of left main stenosis in the presence of downstream coronary stenoses.** *Circulation. Cardiovascular interventions*
  Yong, A. S., Daniels, D., De Bruyne, B., Kim, H., Ikeno, F., Lyons, J., Pijls, N. H., Fearon, W. F.
  2013; 6 (2): 161-165

- **PLAQUE ASSESSMENT WITH A NOVEL HIGH-DEFINITION 60-MHZ IVUS IMAGING SYSTEM: COMPARISON WITH CONVENTIONAL 40 MHZ IVUS AND OPTICAL COHERENCE TOMOGRAPHY** *62nd Annual Scientific Session of the American-College-of-Cardiology*
  Tanaka, S., Sakamoto, K., Yamada, R., Nakagawa, K., Yock, P. G., Fitzgerald, P. J., Ikeno, F., Honda, Y.
  ELSEVIER SCIENCE INC.2013: E1878–E1878

- **IMPACT OF POST-DILATATION STRATEGIES AND STENT MATERIALS ON CHRONIC STENT AREA PRESERVATION: AN EXPERIMENTAL STUDY USING OPTICAL COHERENCE TOMOGRAPHY** *62nd Annual Scientific Session of the American-College-of-Cardiology*
  Kitahara, H., Waseda, K., Yamada, R., Nakagawa, K., Ikeno, F., Fitzgerald, P. J., Honda, Y.
  ELSEVIER SCIENCE INC.2013: E1657–E1657

- **SUSTAINED RESTORATION OF LV FUNCTION IN A PORCINE ISCHEMIA-REPERFUSION INJURY MODEL USING HUMAN PLACENTAL MESENCHYMAL STEM CELLS AND MANGANESE-ENHANCED MRI** *62nd Annual Scientific Session of the American-College-of-Cardiology*
  Dash, R., Kim, P., Matsuura, Y., Ikeno, F., Lyons, J., Ge, X., Metzler, S., Huang, N., Nguyen, P., Wu, J. C., Cooke, J., Luiz-Rozano, P., Robbins, et al
  ELSEVIER SCIENCE INC.2013: E1142–E1142

- **IMPACT OF POST-DILATATION STRATEGIES AND STENT MATERIALS ON CHRONIC STENT AREA PRESERVATION: AN EXPERIMENTAL STUDY USING OPTICAL COHERENCE TOMOGRAPHY** *62nd Annual Scientific Session of the American-College-of-Cardiology*
  Kitahara, H., Waseda, K., Yamada, R., Nakagawa, K., Ikeno, F., Fitzgerald, P. J., Honda, Y.
  ELSEVIER SCIENCE INC.2013: E1657–E1657

- **Clinical and Angiographic Risk Stratification and Differential Impact on Treatment Outcomes in the Bypass Angioplasty Revascularization Investigation 2 Diabetes (BARI 2D) Trial** *CIRCULATION*
  Brooks, M. M., Chaitman, B. R., Nesto, R. W., Hardison, R. M., Feit, F., Gersh, B. J., Krone, R. J., Sako, E. Y., Rogers, W. J., Garber, A. J., King, S. B., Davidson, C. J., Ikeno, et al
  2012; 126 (17): 2115-?

- **Clinical Feasibility of Higher-Frequency IVUS for Quantitative Measurements of Native Coronary Lesions: First-in-Human Experience with 60MHz versus 40MHz IVUS Imaging** *Transcatheter Cardiovascular Therapeutics (TCT) Symposium*
  Huang, C., Sakamoto, K., Nakagawa, K., Yock, P., Ebner, A., Fitzgerald, P., Ikeno, F., Honda, Y.
  ELSEVIER SCIENCE INC.2012: B81–B82

- **Microfluidic Single-Cell Analysis Shows That Porcine Induced Pluripotent Stem Cell-Derived Endothelial Cells Improve Myocardial Function by Paracrine Activation** *CIRCULATION RESEARCH*
  Gu, M., Nguyen, P. K., Lee, A. S., Xu, D., Hu, S., Plews, J. R., Han, L., Huber, B. C., Lee, W. H., Gong, Y., de Almeida, P. E., Lyons, J., Ikeno, et al
  2012; 111 (7): 882-893

- **Evaluation of the peri-strut low intensity area following sirolimus- and paclitaxel-eluting stents implantation: Insights from an optical coherence tomography study in humans** *INTERNATIONAL JOURNAL OF CARDIOLOGY*
  Otake, H., Shite, J., Ikeno, F., Shinke, T., Teramoto, T., Miyoshi, N., Ako, J., Honda, Y., Fitzgerald, P. J., Hirata, K.
  2012; 157 (1): 38-42

- **Impact of Completeness of Revascularization on Long-Term Cardiovascular Outcomes in Patients With Type 2 Diabetes Mellitus Results from the Bypass Angioplasty Revascularization Investigation 2 Diabetes (BARI 2D)** *CIRCULATION-CARDIOVASCULAR INTERVENTIONS*
  Schwartz, L., Bertolet, M., Feit, F., Fuentes, F., Sako, E. Y., Toosi, M. S., Davidson, C. J., Ikeno, F., King, S. B.
  2012; 5 (2): 166-173

- **IMPACT OF POST-DILATATION STRATEGIES ON ACUTE STENT EXPANSION: AN EXPERIMENTAL STUDY USING OPTICAL COHERENCE TOMOGRAPHY** *61st Annual Scientific Session and Expo of the American-College-of-Cardiology (ACC)/Conference on ACC-i2 with TCT*
  Kitahara, H., Waseda, K., Yamada, R., Kume, T., Nakagawa, K., Teramoto, T., Ikeno, F., Fitzgerald, P., Honda, Y.
  ELSEVIER SCIENCE INC.2012: E153–E153

- **Consensus Standards for Acquisition, Measurement, and Reporting of Intravascular Optical Coherence Tomography Studies A Report From the International Working Group for Intravascular Optical Coherence Tomography Standardization and Validation** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Tearney, G. J., Regar, E., Akasaka, T., Adriaenssens, T., Barlis, P., Bezerra, H. G., Bouma, B., Bruining, N., Cho, J., Chowdhary, S., Costa, M. A., de Silva, R., Dijkstra, et al
  2012; 59 (12): 1058-1072

- **Preclinical Derivation and Imaging of Autologously Transplanted Canine Induced Pluripotent Stem Cells** *JOURNAL OF BIOLOGICAL CHEMISTRY*
  Lee, A. S., Xu, D., Plews, J. R., Nguyen, P. K., Nag, D., Lyons, J. K., Han, L., Hu, S., Lan, F., Liu, J., Huang, M., Narsinh, K. H., Long, et al
  2011; 286 (37): 32697-32704

- **Dual Manganese-Enhanced and Delayed Gadolinium-Enhanced MRI Detects Myocardial Border Zone Injury in a Pig Ischemia-Reperfusion Model** *CIRCULATION-CARDIOVASCULAR IMAGING*
  Dash, R., Chung, J., Ikeno, F., Hahn-Windgassen, A., Matsuura, Y., Bennett, M. V., Lyons, J. K., Teramoto, T., Robbins, R. C., McConnell, M. V., Yeung, A. C., Brinton, T. J., Harnish, et al
  2011; 4 (5): 574-582

- **Comparison of Drug-Eluting Versus Bare Metal Stents in Cardiac Allograft Vasculopathy** *AMERICAN JOURNAL OF CARDIOLOGY*
  Tremmel, J. A., Ng, M. K., Ikeno, F., Hunt, S. A., Lee, D. P., Yeung, A. C., Fearon, W. F.
  2011; 108 (5): 665-668

- **Fundamental Wire Technique and Current Standard Strategy of Percutaneous Intervention for Chronic Total Occlusion With Histopathological Insights** *JACC-CARDIOVASCULAR INTERVENTIONS*
  Sumitsuji, S., Inoue, K., Ochiai, M., Tsuchikane, E., Ikeno, F.
  2011; 4 (9): 941-951

- **BMP promotes motility and represses growth of smooth muscle cells by activation of tandem Wnt pathways** *JOURNAL OF CELL BIOLOGY*
  Perez, V. A., Ali, Z., Alastalo, T., Ikeno, F., Sawada, H., Lai, Y., Kleisli, T., Spiekerkoetter, E., Qu, X., Rubinos, L. H., Ashley, E., Amieva, M., Dedhar, et al
  2011; 192 (1): 171-188

- **The Representative Porcine Model for Human Cardiovascular Disease** *JOURNAL OF BIOMEDICINE AND BIOTECHNOLOGY*
  Suzuki, Y., Yeung, A. C., Ikeno, F.
  2011

- **Detection of Injured Border Zone Myocardium Using Manganese-Enhanced and Delayed-Enhanced MRI in a Pig Ischemia-Reperfusion Model**
  Dash, R., Chung, J., Hahn-Windgassen, A., Matsuura, Y., Ikeno, F., Lyons, J., Teramoto, T., Yeung, A. C., McConnell, M. V., Brinton, T. J., Harnish, P., Yang, P. C.
  LIPPINCOTT WILLIAMS & WILKINS.2010

- **CCR2 Antagonist Inhibits Neointimal Proliferation Post CoronaryStent Deployment**
  Teramoto, T., Ikeno, F., Nakatani, D., Otake, H., Lyons, J. K., Sullivan, T., Jaen, J., Schall, T., Tio, F., Yeung, A. C., Fearon, W. F.
  LIPPINCOTT WILLIAMS & WILKINS.2010

- **Sustained Inhibition of epsilon Protein Kinase C Inhibits Vascular Restenosis After Balloon Injury and Stenting** *82nd National Conference and Exhibitions and Scientific Sessions of the American-Heart-Association*
  Deuse, T., Koyanagi, T., Erben, R. G., Hua, X., Velden, J., Ikeno, F., Reichenspurner, H., Robbins, R. C., Mochly-Rosen, D., Schrepfer, S.
  LIPPINCOTT WILLIAMS & WILKINS.2010: S170–S178

- **3 ',4-Dihydroxyflavonol reduces infarct size in a porcine acute myocardial ischaemia-reperfusion model** *Congress of the European-Society-of-Cardiology*
  Teramoto, T., Ikeno, F., Lyons, J., Thomas, C. J., May, C. N., Woodman, O. L., Jarrott, B., Yeung, A. C., Fearon, W. F.
  OXFORD UNIV PRESS.2010: 493–494

- **CCR2 antagonist inhibits neointimal proliferation post coronary stent deployment** *Congress of the European-Society-of-Cardiology*
  Teramoto, T., Ikeno, F., Nakatani, D., Otake, H., Lyons, J. K., Sullivan, T., Jaen, J., Schall, T., Yeung, A. C., Fearon, W. F.
  OXFORD UNIV PRESS.2010: 368–368

- **Fractional Flow Reserve Versus Angiography for Guiding Percutaneous Coronary Intervention in Patients With Multivessel Coronary Artery Disease 2-Year Follow-Up of the FAME (Fractional Flow Reserve Versus Angiography for Multivessel Evaluation) Study** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Pijls, N. H., Fearon, W. F., Tonino, P. A., Siebert, U., Ikeno, F., Bornschein, B., van't Veer, M., Klauss, V., Manoharan, G., Engstrom, T., Oldroyd, K. G., Lee, P. N., MacCarthy, et al
  2010; 56 (3): 177-184

- **Intriguing Pen-Strut Low-Intensity Area Detected by Optical Coherence Tomography After Coronary Stent Deployment** *CIRCULATION JOURNAL*
  Teramoto, T., Ikeno, F., Otake, H., Lyons, J. K., van Beusekom, H. M., Fearon, W. F., Yeung, A. C.
  2010; 74 (6): 1257-1259

- **3 ', 4-Dihydroxyflavonol Reduces Infarct Size in a Porcine Acute Myocardial Infarction-Reperfusion Model** *82nd National Conference and Exhibitions and Scientific Sessions of the American-Heart-Association*
  Tomohiko, T., Ikeno, F., Lyons, J. K., Jarrott, B., Woodman, O. L., May, C. N., Thomas, C. J., Yeung, A. C., Fearon, W.
  LIPPINCOTT WILLIAMS & WILKINS.2009: S1174–S1174

- **Evaluation of the Peri-strut Low Intensity Area Following Sirolimus- and Paclitaxel-Eluting Stents Implantation: Insights From an Optical Coherence Tomography Study in Humans** *82nd National Conference and Exhibitions and Scientific Sessions of the American-Heart-Association*
  Otake, H., Ikeno, F., Shinke, T., Teramoto, T., Sawada, T., Miyoshi, N., Ako, J., Honda, Y., Yock, P. G., Fitzgerald, P. J., Hirata, K.
  LIPPINCOTT WILLIAMS & WILKINS.2009: S1000–S1000

- **Safety and Efficacy of Drug Eluting Stents for Treatment of Cardiac Allograft Vasculopathy: A Prospective Clinical and Angiographic Study** *21st Annual Transcatheter Cardiovascular Therapeutics Conference*
  Ng, M. K., Tremmel, J., Ikeno, F., Lee, D. P., Yeung, A. C., Fearon, W. F.
  EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2009: 138D–138D

- **Black spot surrounding stent struts observed by optical coherence tomography; what do these represent?**
  Teramoto, T., Ikeno, F., Lyons, J., Ootake, H., Yeung, A. C.
  OXFORD UNIV PRESS.2009: 848–848

- **Development of Animal Model for Calcified Chronic Total Occlusion** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*
  Suzuki, Y., Oyane, A., Ikeno, F., Lyons, J. K., Yeung, A. C.
  2009; 74 (3): 468-475

- **Imaging Gene Expression in Human Mesenchymal Stem Cells: From Small to Large Animals** *RADIOLOGY*
  Willmann, J. K., Paulmurugan, R., Rodriguez-Porcel, M., Stein, W., Brinton, T. J., Connolly, A. J., Nielsen, C. H., Lutz, A. M., Lyons, J., Ikeno, F., Suzuki, Y., Rosenberg, J., Chen, et al
  2009; 252 (1): 117-127

- **A Randomized Trial of Therapies for Type 2 Diabetes and Coronary Artery Disease** *NEW ENGLAND JOURNAL OF MEDICINE*
  Anonymous
  2009; 360 (24): 2503-2515

- **A Prospective, Multicenter, Randomized Trial to Assess Efficacy of Pioglitazone on In-Stent Neointimal Suppression in Type 2 Diabetes POPPS (Prevention of In-Stent Neointimal Proliferation by Pioglitazone Study)** *JACC-CARDIOVASCULAR INTERVENTIONS*
  Takagi, T., Okura, H., Kobayashi, Y., Kataoka, T., Taguchi, H., Toda, I., Tamita, K., Yamamuro, A., Sakanoue, Y., Ito, A., Yanagi, S., Shimeno, K., Waseda, et al
  2009; 2 (6): 524-531

- **The Pre-Clinical Animal Model in the Translational Research of Interventional Cardiology** *JACC-CARDIOVASCULAR INTERVENTIONS*
  Suzuki, Y., Yeung, A. C., Ikeno, F.
  2009; 2 (5): 373-383

- **Intraoperative Fluorescence Imaging System for On-Site Assessment of Off-Pump Coronary Artery Bypass Graft** *JACC-CARDIOVASCULAR IMAGING*
  Waseda, K., Ako, J., Hasegawa, T., Shimada, Y., Ikeno, F., Ishikawa, T., Demura, Y., Hatada, K., Yock, P. G., Honda, Y., Fitzgerald, P. J., Takahashi, M.
  2009; 2 (5): 604-612

- **Preserved coronary endothelial function by inhibition of delta protein kinase C in a porcine acute myocardial infarction model** *INTERNATIONAL JOURNAL OF CARDIOLOGY*
  Kaneda, H., Ikeno, F., Inagaki, K., Mochly-Rosen, D.
  2009; 133 (2): 256-259

- **Black Spot Surrounding Stent Struts Observed by Optical Coherence Tomography; What Do These Represent?** *58th Annual Scientific Session of the American-College-of-Cardiology*
  Teramoto, T., Ikeno, F., Lyons, J., Ootake, H., Yeung, A. C.
  ELSEVIER SCIENCE INC.2009: A90–A90

- **Fractional Flow Reserve versus Angiography for Guiding Percutaneous Coronary Intervention** *NEW ENGLAND JOURNAL OF MEDICINE*
  Tonino, P. A., De Bruyne, B., Pijls, N. H., Siebert, U., Ikeno, F., van 't Veer, M., Klauss, V., Manoharan, G., Engstrom, T., Oldroyd, K. G., Lee, P. N., MacCarthy, P. A., Fearon, et al
  2009; 360 (3): 213-224

- **Imaging in-stent restenosis: an inexpensive, reliable, and rapid preclinical model.** *Journal of visualized experiments : JoVE*
  Deuse, T., Ikeno, F., Robbins, R. C., Schrepfer, S.
  2009

- **The Importance of Pre-Clinical Animal Testing in Interventional Cardiology** *ARQUIVOS BRASILEIROS DE CARDIOLOGIA*
  Suzuki, Y., Yeung, A. C., Ikeno, F.
  2008; 91 (5): 321-332

- **The importance of pre-clinical animal testing in interventional cardiology.** *Arquivos brasileiros de cardiologia*
  Suzuki, Y., Yeung, A. C., Ikeno, F.
  2008; 91 (5): 348-360

- **Development of Animal Model for Calcified Chronic Total Occlusion (CTO)** *20th Annual Transcatheter Cardiovascular Therapeutics Conference*
  Suzuki, Y., Oyane, A., Lyons, J. K., Ikeno, F., Yeung, A. C.
  EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2008: 108I–108I

- **Effect of Pioglitazone on Plaque Regression in Diabetic Patients with Coronary Artery Disease following Bare Metal Stent Implantation: Results from the POPPS Trial** *20th Annual Transcatheter Cardiovascular Therapeutics Conference*
  Nakatani, D., Waseda, K., Ikeno, F., Hirohata, A., Sakurai, R., Hur, S., Honda, Y., Taguchi, H., Tamita, K., Sakanoue, Y., Kataoka, T., Yanagi, S., Yoshiyama, et al
  EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2008: 232I–232I

- **Tissue Sirolimus Levels of Distal Vessel, Stented Myocardium, and Distal Myocardium** *JACC-CARDIOVASCULAR INTERVENTIONS*
  Kaneda, H., Yeung, A., Ikeno, F.
  2008; 1 (5): 595-595

- **Introducing the first polymer-free leflunomide eluting stent** *ATHEROSCLEROSIS*
  Deuse, T., Erben, R. G., Ikeno, F., Behnisch, B., Boeger, R., Connolly, A. J., Reichenspurner, H., Bergow, C., Pelletier, M. P., Robbins, R. C., Schrepfer, S.
  2008; 200 (1): 126-134

- **Development of animal model of calcified Chronic Total Occlusion (CTO)**
  Suzuki, Y., Oyane, A., Ikeno, F., Lyons, J., Yeung, A.
  OXFORD UNIV PRESS.2008: 632–632

- **In Vivo Comparison Between Optical Coherence Tomography and Intravascular Ultrasound for Detecting Small Degrees of In-Stent Neointima After Stent Implantation** *JACC-CARDIOVASCULAR INTERVENTIONS*
  Suzuki, Y., Ikeno, F., Koizumi, T., Tio, F., Yeung, A. C., Yock, P. G., Fitzgerald, P. J., Fearon, W. F.
  2008; 1 (2): 168-173

- **The Porcine Restenosis Model Using Thermal Balloon Injury: Comparison with the Model by Coronary Stenting** *JOURNAL OF INVASIVE CARDIOLOGY*
  Suzuki, Y., Lyons, J. K., Yeung, A. C., Ikeno, F.
  2008; 20 (3): 142-146

- **Reporter gene imaging following percutaneous delivery in swine - Moving toward clinical applications** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Rodriguez-Porcel, M., Brinton, T. J., Chen, I. Y., Gheysens, O., Lyons, J., Ikeno, F., Willmann, J. K., Wu, L., Wu, J. C., Yeung, A. C., Yock, P., Gambhir, S. S.
  2008; 51 (5): 595-597

- **In vivo porcine model of reperfused myocardial infarction: In situ double staining to measure precise infarct area/area at risk** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*
  Suzuki, Y., Lyons, J. K., Yeung, A. C., Ikeno, F.
  2008; 71 (1): 100-107

- **Real-time MRI of peripheral chronic total occlusion interventions: Visualization of devices ex vivo in animals and lesions in vivo pre/post intervention in patients** *19th Annual Transcatheter Cardiovascular Therapeutics Symposium*
  Suzuki, Y., Overall, W. R., Santos, J. M., Terashima, M., Ikeno, F., Yeung, A. C., Pauly, J. M., McConnell, M. V., Williams, S. B.
  EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2007: 224L–224L

- **Optical coherence tomography compared to intravascular ultrasound for detecting small degrees of neointimal hyperplasia** *19th Annual Transcatheter Cardiovascular Therapeutics Symposium*
  Ikeno, F., Suzuki, Y., Koizumi, T., Yeung, A. C., Fitzgerald, P. J., Fearon, W. F.
  EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2007: 143L–143L

- **Comparison of nonuniform strut distribution between two drug-eluting stent platforms.** *journal of invasive cardiology*
  Hasegawa, T., Ako, J., Ikeno, F., Waseda, K., Suzuki, Y., Honda, Y., Fitzgerald, P. J.
  2007; 19 (6): 244-246

- **Arteriotomy closure device application following percutaneous coronary intervention may prevent bleeding complications in patients with acute myocardial infarction** *INTERNATIONAL JOURNAL OF CARDIOLOGY*
  Ikeno, F., Sadoughi, M. A., Lyons, J. K., Shabari, F. R., Pourdehmobed, K., Hashemi, V., Emami, S., Kaneda, H., Yeung, A. C., Rezaee, M.
  2007; 117 (1): 131-132

- **Mechanism of luminal gain with plaque excision in atherosclerotic coronary and peripheral arteries: assessment by histology and intravascular ultrasound.** *Journal of interventional cardiology*
  Ikeno, F., Braden, G. A., Kaneda, H., Hongo, Y., Hinohara, T., Yeung, A. C., Simpson, J. B., Kandzari, D. E.
  2007; 20 (2): 107-113

- **Novel stent system for accurate placement in aorto-ostial renal artery disease: preclinical study in porcine renal artery model.** *Cardiovascular revascularization medicine : including molecular interventions*
  Suzuki, Y., Ikeno, F., Lyons, J. K., Koizumi, T., Yeung, A. C.
  2007; 8 (2): 99-102

- **Impaired perfusion after myocardial infarction is due to reperfusion-induced delta PKC-mediated myocardial damage** *CARDIOVASCULAR RESEARCH*
  Ikeno, F., Inagaki, K., Rezaee, M., Mochly-Rosen, D.
  2007; 73 (4): 699-709

- **Novel stent and delivery systems for the treatment of bifurcation lesions: porcine coronary artery model.** *Cardiovascular revascularization medicine : including molecular interventions*

Ikeno, F., Buchbinder, M., Yeung, A. C.
2007; 8 (1): 38-42

- **Comparison of nonuniform rotational distortion between mechanical IVUS and OCT using a phantom model** *ULTRASOUND IN MEDICINE AND BIOLOGY*
  Kawase, Y., Suzuki, Y., Ikeno, F., Yoneyama, R., Hoshino, K., Ly, H. Q., Lau, G. T., Hayase, M., Yeung, A. C., Hajjar, R. J., Jang, I.
  2007; 33 (1): 67-73

- **The conversion in application of percutaneous coronary intervention following the introduction of drug eluting stents** *INTERNATIONAL JOURNAL OF CARDIOLOGY*
  Ikeno, F., Shabari, F. R., Sadoughi, A., Lyons, J. K., Pourdehmobed, K., Hasherni, V., Ernarni, S., Kanada, H., Yeung, A. C., Rezaee, M.
  2006; 113 (2): 279-280

- **Novel intra-operative fluorescence imaging system for on-site assessment of off-pump coronary artery bypass graft** *18th Annual Transcatheter Cardiovascular Therapeutics Symposium*
  Waseda, K., Chang, H., Ako, J., Shimoda, Y., Hasegawa, T., Ikeno, F., Ishikawa, T., Okayama, T., Yock, P. G., Honda, Y., Fitzgerald, P. J., Takahashi, M.
  EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2006: 247M–248M

- **Optical coherence tomography: In-vivo correlation withhistology** *18th Annual Transcatheter Cardiovascular Therapeutics Symposium*
  Ikeno, F., Koizumi, T., Yeung, A. C., Yock, P. G., Fitzgerald, P. J., Fearon, W. F.
  EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2006: 93M–93M

- **Endovascular intervention for infrainguinal artery disease requires additional evidence regarding selection of devices** *JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY*
  Ikeno, F.
  2006; 17 (9): 1545-1545

- **Long-term histopathologic and IVUS evaluations of a novel coiled sheet stent in porcine carotid arteries** *CARDIOVASCULAR AND INTERVENTIONAL RADIOLOGY*
  Kaneda, H., Ikeno, F., Lyons, J., Rezaee, M., Yeung, A. C., Fitzgerald, P. J.
  2006; 29 (3): 413-419

- **Drug-eluting stent strut distribution: a comparison between Cypher and Taxus by optical coherence tomography.** *journal of invasive cardiology*
  Suzuki, Y., Ikeno, F., Yeung, A. C.
  2006; 18 (3): 111-114

- **Novel intra-operative fluorescence imaging system for on-site assessment of off-pump coronary artery bypass graft** *55th Annual Scientific Session of the American-College-of-Cardiology*
  Waseda, K., Hasegawa, T., SHIMADA, Y., Ako, J., Ikeno, F., Yock, P. G., Honda, Y., Fitzgerald, P. J., Takahashi, M.
  ELSEVIER SCIENCE INC.2006: 178A–178A

- **Acute and long-term outcomes of the novel side access (SLK-View (TM)) stent for bifurcation coronary lesions: A multicenter nonrandomized feasibility study** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*
  Ikeno, F., Kim, Y. H., Luna, J., Condado, J. A., Colombo, A., Grube, E., Fitzgerald, P. J., Park, S. J., Yeung, A. C.
  2006; 67 (2): 198-206

- **Augmentation of tissue perfusion by a novel compression device increases neurologically intact survival in a porcine model of prolonged cardiac arrest** *RESUSCITATION*
  Ikeno, F., Kaneda, H., Hongo, Y., Sakanoue, Y., Nolasco, C., Emami, S., Lyons, J., Rezaee, M.
  2006; 68 (1): 109-118

- **Double balloon occlusion system superior to single balloon occlusion for selective interstitial retrograde venous delivery** *17th Annual Transcatheter Cardiovascular Therapeutics Symposium/4th Annual Transcatheter Cardiovascular Therapeutics Inflammation Summit*
  Brinton, T. J., Price, E. T., Ikeno, F., Hou, D. M., Lyons, J. K., Rezaee, M., March, K. L., Fitzgerald, P. J., Yeung, A. C., Yock, P. G.
  EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2005: 40H–40H

- **Drug-Eluting Stents strut distribution; A comparison of 3 stent designs by optical coherence tomography** *17th Annual Transcatheter Cardiovascular Therapeutics Symposium/4th Annual Transcatheter Cardiovascular Therapeutics Inflammation Summit*
  Suzuki, Y., Ikeno, F., Yeung, A.

EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2005: 182H–182H

- **Long-term histopathologic and IVUS evaluations of a novel coiled sheet stent in porcine carotid arteries** *27th Congress of the European-Society-of-Cardiology*
  Kaneda, H., Ikeno, F., Rezaee, M., Yeung, A. C., Fitzgerald, P. J.
  OXFORD UNIV PRESS.2005: 5–5

- **Effect of lumen narrowing within coronary stents on proximal and distal vessel segments following bare metal stent implantation** *AMERICAN JOURNAL OF CARDIOLOGY*
  Kaneda, H., Ako, J., Kataoka, T., Miyazawa, A., Terashima, M., Ikeno, F., Sonoda, S., SHIMADA, Y., Morino, Y., Honda, Y., Yock, P. G., Fitzgerald, P. J.
  2005; 96 (3): 376-378

- **Cardioprotection by epsilon-protein kinase C activation from ischemia - Continuous delivery and antiarrhythmic effect of an epsilon-protein kinase C-activating peptide** *CIRCULATION*
  Inagaki, K., Begley, R., Ikeno, F., Mochly-Rosen, D.
  2005; 111 (1): 44-50

- **Novel percutaneous adventitial drug delivery system for regional vascular treatment** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*
  Ikeno, F., Lyons, J., Kaneda, H., Baluom, M., Benet, L. Z., Rezaee, M.
  2004; 63 (2): 222-230

- **Impact of lumen reduction at stented segment on vessel responses in adjacent reference segments after bare metal stent implantation: Serial 3-dimensional intravascular ultrasound analysis** *16th Annual Transcatheter Cardiovascular Therapeutics Symposium*
  Ako, J., Kaneda, H., Ikeno, F., Sonoda, S., Kataoka, T., Shimoda, Y., Terashima, M., Sakurai, R., Honda, Y., Morino, Y., Yock, P. G., Fitzgerald, P. J.
  EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2004: 163E–164E

- **Intracoronary versus percutaneous endomyocardial delivery of porcine mesenchymal stem cells to areas of myocardial infarction.** *16th Annual Transcatheter Cardiovascular Therapeutics Symposium*
  Price, E. T., Ikeno, F., Arai, T., Gnanashanmugam, S., Cahill, J. C., Johnson, P. L., Lyons, J. K., Yeung, A. C., Yock, P. G., Rezaee, M.
  EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2004: 91E–91E

- **AST-PETAL: novel stent and delivery systems for the treatment of bifurcation** *16th Annual Transcatheter Cardiovascular Therapeutics Symposium*
  Ikeno, F., Luna, J., Kaneda, H., Ormiston, J. A., Rezaee, M., Fitzgerald, P. J., Yeung, A. C., Buchbinder, M.
  EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2004: 182E–183E

- **Initial experience with the novel 6 Fr-compatible system for debulking De Novo coronary arterial lesions** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*
  Ikeno, F., Abizaid, A., Suzuki, T., Rezaee, M., Patterson, G. R., Yeung, A. C., Virmani, R., Sousa, J. E., Carter, A. J.
  2004; 62 (3): 308-317

- **Six- and twelve-month results from first human experience using everolimus-eluting stents with bioabsorbable polymer** *CIRCULATION*
  Grube, E., Sonoda, S., Ikeno, F., Honda, Y., Kar, S., Chan, C., Gerckens, U., Lansky, A. J., Fitzgerald, P. J.
  2004; 109 (18): 2168-2171

- **Protection against reperfusion injury-induced microvascular damage by inhibition of is an element of ' protein kinase C** *5th Annual Conference on Arteriosclerosis, Thrombosis, and Vascular Biology*
  Ikeno, F., Inagaki, K., Kaneda, H., Price, E. T., Chen, L., Yeung, A. C., Mochly-Rosen, D., Rezaee, M.
  LIPPINCOTT WILLIAMS & WILKINS.2004: E38–E38

- **Magnetic resonance angiography detects in-stent thrombosis and thrombolysis** *53rd Annual Scientific Session of the American-College-of-Cardiology*
  Hyon, M. S., Kaneda, H., Ikeno, F., Nayak, K., Yeung, A. C., McConnell, M. V.
  ELSEVIER SCIENCE INC.2004: 322A–322A

- **Evaluation of high-pressure retrograde coronary venous delivery of FGF-2 protein** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*
  Fearon, W. F., Ikeno, F., Bailey, L. R., Hiatt, B. L., Herity, N. A., Carter, A. J., Fitzgerald, P. J., Rezaee, M., Yeung, A. C., Yock, P. G.
  2004; 61 (3): 422-428

- **Early experience with a novel plaque excision system for the treatment of complex coronary lesions** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*
  Ikeno, F., Hinohara, T., Robertson, G. C., Rezaee, M., Yock, P. G., Reimers, B., Colombo, A., Grube, E., Simpson, J. B.
  2004; 61 (1): 35-43

- **Inhibition of delta-protein kinase C protects against reperfusion injury of the ischemic heart in vivo** *CIRCULATION*
  Inagaki, K., Chen, L., Ikeno, F., Lee, F. H., Imahashi, K., Bouley, D. M., Rezaee, M., Yock, P. G., Murphy, E., Mochly-Rosen, D.
  2003; 108 (19): 2304-2307

- **In-stent neointimal hyperplasia distribution and edge effect following mycophenolic acid (MPA) eluting stent implantation: A 3D IVUS substudy of the IMPACT trial** *76th Annual Scientific Session of the American-Heart-Association*
  SHIMADA, Y., Sonoda, S., Kataoka, T., Ikeno, F., Sakurai, R., Londero, H. F., Ormiston, J., Abizaid, A., Sousa, J. E., Yock, P. G., Honda, Y.
  LIPPINCOTT WILLIAMS & WILKINS.2003: 463–63

- **Real-time, bright-blood, and black-blood magnetic resonance angiography detect in-stent thrombosis** *76th Annual Scientific Session of the American-Heart-Association*
  Hyon, M. S., Kaneda, H., Ikeno, F., Nayak, K., Meyer, C. H., Yeung, A. C., McConnell, M. V.
  LIPPINCOTT WILLIAMS & WILKINS.2003: 453–53

- **Segmental occlusion of the anterior intraventricular vein significantly improves regional delivery after high-pressure retroperfusion** *15th Annual Transcatheter Cardiovascular Therapeutics Symposium*
  Gnanashanmugam, S., Wei, K., Price, E. T., Ikeno, F., Lyons, J. K., Yeung, A. C., Yock, P. G., Rezaee, M.
  EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2003: 105L–105L

- **Novel stent and delivery systems for the treatment of bifurcation lesions** *15th Annual Transcatheter Cardiovascular Therapeutics Symposium*
  Nakamura, M., Kaneda, H., Luna, J., Ikeno, F., Leadley, K., Vardi, G., Fitzgerald, P. J.
  EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2003: 212L–212L

- **Magnetic resonance Imaging detects in-stent thrombosis and enhances with fibrin-binding magnetic resonance contrast agent** *15th Annual Transcatheter Cardiovascular Therapeutics Symposium*
  Hyon, M. S., Kaneda, H., Ikeno, F., Meyer, C. H., Wiethoff, A. J., Parsons, E. C., Yeung, A. C., McConnell, M. V.
  EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2003: 200L–200L

- **Coronary vasodilation by noninvasive transcutaneous ultrasound - An in vivo canine study** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
  Miyamoto, T., Neuman, Y., Luo, H., Jeon, D. S., Kobal, S., Ikeno, F., Horzewski, M., Honda, Y., Mirocha, J. M., Iwami, T., Echt, D., Fishbein, M. C., Siegel, et al
  2003; 41 (9): 1623-1627

- **Noninvasive transcutaneous ultrasound augments thrombolysis in the left circumflex coronary artery - an in vivo canine study** *THROMBOSIS RESEARCH*
  Jeon, D. S., Luo, H., Fishbein, M. C., Miyamoto, T., Horzewski, M., Iwami, T., Mirocha, J. M., Ikeno, F., Honda, Y., Siegel, R. J.
  2003; 110 (2-3): 149-158

- **Inhibition of delta protein kinase C protects vascular injury and microcirculation from reperfusion injury in myocardial infarction** *52nd Annual Scientific Session of the American-College-of-Cardiology*
  Ikeno, F., Inagaki, K., Chen, L., Price, E. T., Fenn, R. C., Yeung, A. C., Mochly-Rosen, D., Rezaee, M.
  ELSEVIER SCIENCE INC.2003: 373A–373A

- **Percutaneous endocardial versus selective coronary various cellular delivery: Comparisons of transplant efficiency, distribution, and efficacy in reducing infarct size and improving myocardial function** *52nd Annual Scientific Session of the American-College-of-Cardiology*
  Price, E. T., Ikeno, F., Fenn, R. C., Chu, P., Lyons, J. K., Fitzgerald, P. J., Yeung, A. C., Yock, P. G., Rezaee, M.
  ELSEVIER SCIENCE INC.2003: 67A–67A

- **Efficacy and feasibility of helixcision for debulking neointimal hyperplasia for in-stent restenosis** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*
  Nakamura, M., Fitzgerald, P. J., Ikeno, F., Honda, Y., Sousa, J. E., Abizaid, A., de Brito, F. S., Tofte, A., Grube, E., Patterson, G. R., Yock, P. G., Yeung, A. C., Carter, et al
  2002; 57 (4): 460-466

- **Myocardial delivery of labeled fibroblast growth factor-2 protein by high pressure, retrograde coronary venous injection is more efficient than intracoronary administration** *American-Heart-Association Abstracts From Scientific Sessions*

Fearon, W. F., Ikeno, F., Price, E., Bailey, L. R., Herity, N. A., Fitzgerald, P. J., Rezaee, M., Yeung, A. C., Yock, P. G.
LIPPINCOTT WILLIAMS & WILKINS.2002: 656–56

- **Cut to the future: Early experience with a new atherectomy device - The ReFORM debulking catheter system.** *11th Annual Symposium on Transcatheter Cardiovascular Therapeutics*
  Ikeno, F., Liao, C. K., Rezaee, M., Yock, P. G., Hinohara, T., Robertson, G., Reimers, B., Grube, E., Colombo, A., Simpson, J. B.
  EXCERPTA MEDICA INC-ELSEVIER SCIENCE INC.2002: 109H–109H
- **High pressure, retrograde, coronary venous delivery of FGF-2 protein improves coronary blood flow in a porcine model of myocardial ischemia**
  Fearon, W. F., Rezaee, M., Hiatt, B. L., Ikeno, F., Bailey, L., Suzuki, T., Herity, N., Fitzgerald, P. J., Carter, A. J., Yeung, A. C., Yock, P. G.
  ELSEVIER SCIENCE INC.2002: 10A–10A
- **A novel inhibitor of protein kinase-C as a therapeutic for ischemic reperfusion injury in acute coronary syndromes**
  Lee, F., Inagaki, K., Chen, L., Bailey, L., Ikeno, F., Lyons, J., Bouley, D., Yock, P., Carter, A., Yeung, A., Mochly-Rosen, D.
  ELSEVIER SCIENCE INC.2002: 445A–445A
- **Drug-eluting stents for the prevention of restenosis: In quest for the holy grail** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*
  Hiatt, B. L., Ikeno, F., Yeung, A. C., Carter, A. J.
  2002; 55 (3): 409-417
- **A comparison of angiographic and physiologic correlates to myocardial perfusion**
  Fearon, W., Hiatt, B., Rezaee, M., Herity, N., Suzuki, T., Ikeno, F., Yeung, A. G., Carter, A. J., Yock, P.
  LIPPINCOTT WILLIAMS & WILKINS.2001: 580–80
- **Experimental results with the novel 6Fr compatible Helixicison System for debulking de novo coronary arterial lesions.**
  Ikeno, F., Suzuki, T., To, J., Yeung, A., Carter, A. J.
  EXCERPTA MEDICA INC.2001: 2G–2G
- **Will there always be an edge to radiation for the prevention of restenosis?** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*
  Ikeno, F., Carter, A. J.
  2001; 54 (1): 49-50