





## Paul Yock, MD

The Martha Meier Weiland Professor in the School of Medicine, Professor of Bioengineering and, by courtesy, of Mechanical Engineering

 NIH Biosketch available Online

 Resume available Online

### CONTACT INFORMATION

- **Alternate Contact**

Annette Ewanich - Executive Assistant

**Tel** 650-736-1161

### Bio

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#### BIO

Yock began his faculty career as an interventional cardiologist at UC San Francisco and then moved to Stanford in 1994. Yock is known for his work in inventing, developing and testing new devices, including the Rapid Exchange angioplasty and stenting system, which is the primary approach used worldwide. Yock also authored the fundamental patents for intravascular ultrasound imaging, conducted the initial clinical trials and established the Stanford Center for Research in Cardiovascular Interventions as a core laboratory for analysis of intravascular ultrasound clinical studies. He also invented the Smart Needle and is a co-inventor of the strain-reduction patch for wound healing. Yock was founding Co-Chair of the Department of Bioengineering and continues research related to new device technologies. Yock also founded and is the Director of the Program in Biodesign, a unit of Bio-X dedicated to advanced training in medical technology innovation.

#### ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Bioengineering
- Professor - Med Center Line, Medicine - Cardiovascular Medicine
- Professor - Med Center Line (By courtesy), Mechanical Engineering
- Member, Bio-X
- Member, Cardiovascular Institute

#### ADMINISTRATIVE APPOINTMENTS

- Director, Byers Center for Biodesign, (2001- present)
- Co-Chair, Stanford University School of Medicine - Bioengineering, (2003-2006)

#### HONORS AND AWARDS

- Phoenix Innovator Award, Phoenix Hall of Fame for Medical Device and Diagnostic Leadership (2005)
- Career Achievement Award, Transcatheter Cardiovascular Therapeutics (TCT) (2006)
- Doctor of Science (Honoris Causa), Amherst College (2007)
- Distinguished Scientist Award, American College of Cardiology (2008)
- Member, National Academy of Engineering (2009)
- Member, Association of American Physicians (AAP) (2016)

- Bernard M Gordon Prize for Innovation in Engineering Education, National Academy of Engineering (2018)
- Fritz and Delores Russ Prize, National Academy of Engineering (2019)

## **BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS**

- Fellow, American Institute for Medical and Biological Engineering (2010 - present)
- Member, National Academy of Engineering (2013 - present)
- member, American Association of Physicians (2016 - present)

## **PROFESSIONAL EDUCATION**

- M.D., Harvard Medical School , Medicine (1979)
- M.A., Trinity College, Oxford , Philosophy and Physiology (1975)
- A.B., Amherst College , Chemistry, Independent Study (Philosophy) (1973)

## **LINKS**

- BioX Clark Center Faculty: <http://biox.stanford.edu/clark/yock.html>
- Stanford Biodesign Website: <http://biodesign.stanford.edu/>

## **Research & Scholarship**

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### **CURRENT RESEARCH AND SCHOLARLY INTERESTS**

Founder and Director of the Byers Center for Biodesign, a multidisciplinary training and support program for physicians and engineers with the ambition and talent to become health technology innovators. The Center has educational/training programs at multiple levels including a postgraduate fellowship, multiple graduate and undergraduate classes and a faculty training program. In addition, Biodesign administers seed grant programs and a mentoring system for faculty and students who seek to translate health technology innovations into patient care.

## **Teaching**

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### **COURSES**

#### **2019-20**

- Biodesign Innovation: Concept Development and Implementation: BIOE 374B, ME 368B, MED 272B (Spr)
- Biodesign Innovation: Concept Development and Implementation: OIT 385 (Spr)
- Biodesign Innovation: Needs Finding and Concept Creation: BIOE 374A, ME 368A, MED 272A (Win)
- Biodesign Innovation: Needs Finding and Concept Creation: OIT 384 (Win)
- Biodesign for Digital Health: BIOE 273, MED 273 (Aut)

#### **2018-19**

- Biodesign Innovation: Concept Development and Implementation: BIOE 374B, ME 368B, MED 272B (Spr)
- Biodesign Innovation: Concept Development and Implementation: OIT 385 (Spr)
- Biodesign Innovation: Needs Finding and Concept Creation: BIOE 374A, ME 368A, MED 272A (Win)
- Biodesign Innovation: Needs Finding and Concept Creation: OIT 384 (Win)
- Biodesign for Digital Health: BIOE 273, MED 273 (Aut)

#### **2017-18**

- Biodesign Innovation: Concept Development and Implementation: BIOE 374B, ME 368B, MED 272B (Spr)
- Biodesign Innovation: Concept Development and Implementation: OIT 385 (Spr)

- Biodesign Innovation: Needs Finding and Concept Creation: BIOE 374A, ME 368A, MED 272A (Win)
- Biodesign Innovation: Needs Finding and Concept Creation: OIT 384 (Win)
- Biodesign for Mobile Health: BIOE 273, MED 273 (Aut)

#### 2016-17

- Biodesign Innovation: Concept Development and Implementation: BIOE 374B, ME 368B, MED 272B (Spr)
- Biodesign Innovation: Concept Development and Implementation: OIT 385 (Spr)
- Biodesign Innovation: Needs Finding and Concept Creation: BIOE 374A, ME 368A, MED 272A (Win)
- Biodesign Innovation: Needs Finding and Concept Creation: OIT 384 (Win)
- Biodesign for Mobile Health: BIOE 273, MED 273 (Aut)

### STANFORD ADVISEES

#### Postdoctoral Faculty Sponsor

Saniya Ali, Thomas Flores, Brandon McCutcheon, Spencer Montgomery

#### Master's Program Advisor

Khoa Cao, Nimit Jain, Evan Quartner

#### Postdoctoral Research Mentor

Dimitri Augustin

#### Doctoral (Program)

Cara Welker

### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Medicine (Masters Program)

### Publications

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#### PUBLICATIONS

- **The ABSORB III and ABSORB Japan Trials: Final Intravascular Ultrasound Results**  
Honda, Y., Okada, K., Nishi, T., Kitahara, H., Ikutomi, M., Hollak, M., Yock, P. G., Popma, J., Kusano, H., Cheong, W., Sudhir, K., Ellis, S., Kereiakes, et al  
ELSEVIER SCIENCE INC.2019: B172
- **Impact of Myocardial Bridging on Long-Term Outcomes After Heart Transplantation: Risk Stratification With IVUS-Determined Anatomical Properties**  
Okada, K., Nishi, T., Tanaka, S., Luikart, H., Yock, P. G., Yeung, A. C., Hibi, K., Kimura, K., Schnittger, I., Khush, K., Fearon, W., Honda, Y.  
ELSEVIER SCIENCE INC.2019: B342
- **Feasibility of IVUS-Derived FFR as a Novel Technique to Estimate Functional Severity of Coronary Stenosis**  
Kashiyama, K., Sonoda, S., Matsushita, K., Okada, K., Akiyama, E., Matsuzawa, Y., Maejima, N., Iwahashi, N., Tsukahara, K., Kosuge, M., Ebina, T., Hibi, K., Tamura, et al  
ELSEVIER SCIENCE INC.2019: B325
- **Intravascular Ultrasound Predictors of Long-Term Outcomes Following ABSORB Bioresorbable Scaffold Implantation: A Pooled Analysis of the ABSORB III and ABSORB Japan Trials**  
Nishi, T., Okada, K., Kitahara, H., Ikutomi, M., Hollak, M., Yock, P. G., Popma, J., Kusano, H., Cheong, W., Sudhir, K., Ellis, S., Kereiakes, D., Stone, et al  
ELSEVIER SCIENCE INC.2019: B177
- **Early invasive assessment of the coronary microcirculation predicts subsequent acute rejection after heart transplantation** *INTERNATIONAL JOURNAL OF CARDIOLOGY*  
Okada, K., Honda, Y., Luikart, H., Yock, P. G., Fitzgerald, P. J., Yeung, A. C., Valantine, H. A., Khush, K. K., Fearon, W. F.  
2019; 290: 27–32

- **Validated model of platelet slip at stenosis and device surfaces.** *Platelets*  
Denardo, S. J., Denardo, B. C., Carpinone, P. L., Dean, W. T., New, D. M., Estrada, L. E., Green, C. L., Yock, P. G., Karunasiri, G.  
2019; 1–10
- **Value-Based Care: A Review of Key Challenges and Opportunities Relevant to Medical Technology Innovators** *JOURNAL OF MEDICAL DEVICES-TRANSACTIONS OF THE ASME*  
Peiffer, V., Yock, C. A., Yock, P. G., Pietzsch, J. B.  
2019; 13 (2)
- **Early invasive assessment of the coronary microcirculation predicts subsequent acute rejection after heart transplantation.** *International journal of cardiology*  
Okada, K., Honda, Y., Luikart, H., Yock, P. G., Fitzgerald, P. J., Yeung, A. C., Valantine, H. A., Khush, K. K., Fearon, W. F.  
2019
- **INTRAVASCULAR ULTRASOUND PREDICTORS OF 4-YEAR CLINICAL OUTCOMES FOLLOWING ABSORB BIORESORBABLE SCAFFOLD IMPLANTATION: INSIGHTS FROM THE ABSORB JAPAN TRIAL**  
Nishi, T., Okada, K., Kitahara, H., Kameda, R., Ikutomi, M., Hollak, B., Yock, P., Popma, J., Kusano, H., Cheong, W., Sudhir, K., Fitzgerald, P., Honda, et al  
ELSEVIER SCIENCE INC.2019: 1305
- **PERIARTERIAL NEOVASCULARIZATION AND ATTENUATED-SIGNAL PLAQUE PREDICT LONG-TERM MORTALITY AFTER HEART TRANSPLANTATION: RISK STRATIFICATION WITH IVUS-DETERMINED CORONARY INFLAMMATORY FINDINGS**  
Kashiyama, K., Okada, K., Kitahara, H., Kameda, R., Hollak, M., Luikart, H., Yock, P., Yeung, A., Fitzgerald, P., Khush, K., Fearon, W., Honda, Y.  
ELSEVIER SCIENCE INC.2019: 1428
- **A FIRST-IN-HUMAN STUDY OF THE SECOND-GENERATION, THIN-STRUT, EVEROLIMUS-ELUTING BIORESORBABLE SCAFFOLD: 6-MONTH IVUS AND OCT RESULTS FROM THE FAST CLINICAL TRIAL**  
Kameda, R., Okada, K., Ikutomi, M., Hollak, M., Yock, P., Popma, J., Seneviratne, S., Erglis, A., Walters, D., Whitbourn, R., Layland, J., Stewart, J., El-Jack, et al  
ELSEVIER SCIENCE INC.2019: 1111
- **Long-Term Vascular Response to Bioresorbable Scaffolds Versus Metallic Stents in Coronary Lesions with Myocardial Bridging: A Potential Benefit of Vascular Restoration Under Dynamic Compression Force**  
Kameda, R., Okada, K., Kitahara, H., Hollak, M., Yock, P. G., Popma, J., Kusano, H., Cheong, W., Sudhir, K., Honda, Y., Kimura, T.  
ELSEVIER SCIENCE INC.2018: B128
- **Attenuated-Signal Plaque and Long-Term Vessel Response after Bioresorbable Scaffold Implantation: IVUS Insights from the ABSORB JAPAN Trial**  
Okada, K., Honda, Y., Kitahara, H., Kameda, R., Hollak, M., Yock, P. G., Kusano, H., Cheong, W., Sudhir, K., Kimura, T.  
ELSEVIER SCIENCE INC.2018: B68
- **Bioresorbable Scaffold for Treatment of Coronary Artery Lesions Intravascular Ultrasound Results From the ABSORB Japan Trial** *JACC-CARDIOVASCULAR INTERVENTIONS*  
Okada, K., Honda, Y., Kitahara, H., Otagiri, K., Tanaka, S., Hollak, M., Yock, P. G., Popma, J. J., Kusano, H., Cheong, W., Sudhir, K., Fitzgerald, P. J., Kimura, et al  
2018; 11 (7): 648–61
- **BIORESORBABLE SCAFFOLD FOR TREATMENT OF CORONARY ARTERY LESIONS: FINAL INTRAVASCULAR ULTRASOUND RESULTS FROM THE ABSORB JAPAN TRIAL**  
Okada, K., Honda, Y., Kitahara, H., Ikutomi, M., Kameda, R., Hollak, M., Yock, P., Kusano, H., Cheong, W., Sudhir, K., Fitzgerald, P., Kimura, T.  
ELSEVIER SCIENCE INC.2018: 1020
- **Bioresorbable Scaffold for the Treatment of Calcified Coronary Lesions: IVUS Insights from the ABSORB Japan Trial**  
Okada, K., Honda, Y., Kitahara, H., Hollak, M., Yock, P. G., Kusano, H., Cheong, W., Sudhir, K., Fitzgerald, P. J., Kimura, T.  
ELSEVIER SCIENCE INC.2017: B19
- **Association Between Scaffold Under-Expansion and Late Lumen Loss after Bioresorbable Scaffold Implantation: IVUS and Angiographic Insights from the ABSORB Japan Trial**  
Okada, K., Honda, Y., Kitahara, H., Hollak, M., Yock, P. G., Popma, J. J., Kusano, H., Cheong, W., Sudhir, K., Fitzgerald, P. J., Kimura, T.  
ELSEVIER SCIENCE INC.2017: B5
- **Differential Late Stent Enlargement and Vascular Response Following New-Generation Self-Expanding Stent Implantation in Tapered Peripheral Arteries: Insights from Serial Optical Coherence Tomography**  
Ikutomi, M., Okada, K., Miki, K., Kameda, R., Otsuka, F., Yock, P. G., Fitzgerald, P. J., Kawarada, O., Honda, Y.

ELSEVIER SCIENCE INC.2017: B165–B166

- **Comparison of Bioresorbable Scaffold Measurements between Intravascular Ultrasound and Quantitative Coronary Angiography in the ABSORB Japan Trial**  
Okada, K., Honda, Y., Kitahara, H., Hollak, M., Yock, P. G., Popma, J. J., Kusano, H., Cheong, W., Sudhir, K., Fitzgerald, P. J., Kimura, T.  
ELSEVIER SCIENCE INC.2017: B57–B58
- **The effect of negative remodeling on fractional flow reserve after cardiac transplantation** *INTERNATIONAL JOURNAL OF CARDIOLOGY*  
Fearon, W. F., Felix, R., Hirohata, A., Sakurai, R., Jose, P. O., Yamasaki, M., Nakamura, M., Fitzgerald, P. J., Valentine, H. A., Yock, P. G., Yeung, A. C.  
2017; 241: 283–87
- **Needs-Based Innovation in Interventional Radiology: The Biodesign Process** *TECHNIQUES IN VASCULAR AND INTERVENTIONAL RADIOLOGY*  
Steinberger, J. D., Denend, L., Azagury, D. E., Brinton, T. J., Makower, J., Yock, P. G.  
2017; 20 (2): 84–89
- **The Impact of Postgraduate Health Technology Innovation Training: Outcomes of the Stanford Biodesign Fellowship** *ANNALS OF BIOMEDICAL ENGINEERING*  
Wall, J., Hellman, E., Denend, L., Rait, D., Venook, R., Lucian, L., Azagury, D., Yock, P. G., Brinton, T. J.  
2017; 45 (5): 1163-1171
- **Impact of attenuated-signal plaque observed by intravascular ultrasound on vessel response after drug-eluting stent implantation** *ATHEROSCLEROSIS*  
Kitahara, H., Waseda, K., Sakamoto, K., Yamada, R., Huang, C., Nakatani, D., Sakata, K., Kawarada, O., Yock, P. G., Matsuyama, Y., Yokoi, H., Nakamura, M., Muramatsu, et al  
2017; 259: 68-74
- **PERI-STRUT LOW INTENSITY AREA PREDICTS NEOINTIMAL PROGRESSION ASSOCIATED WITH LATE ENLARGEMENT OF SELF-EXPANDING NITINOL STENTS IN SUPERFICIAL FEMORAL ARTERIES: AN OPTICAL COHERENCE TOMOGRAPHY STUDY**  
Ikutomi, M., Okada, K., Miki, K., Kameda, R., Otsuka, F., Yock, P., Fitzgerald, P., Kawarada, O., Honda, Y.  
ELSEVIER SCIENCE INC.2017: 999
- **Impact of Stent Size Selection on Acute and Long-Term Outcomes After Drug-Eluting Stent Implantation in De Novo Coronary Lesions.** *Circulation. Cardiovascular interventions*  
Kitahara, H., Okada, K., Kimura, T., Yock, P. G., Lansky, A. J., Popma, J. J., Yeung, A. C., Fitzgerald, P. J., Honda, Y.  
2017; 10 (10)
- **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., Kitahara, H., Mitsutake, Y., Tanaka, S., Kimura, T., Yock, P. G., Fitzgerald, P. J., Ikeno, F., Honda, Y.  
2017
- **The Impact of Postgraduate Health Technology Innovation Training: Outcomes of the Stanford Biodesign Fellowship.** *Annals of biomedical engineering*  
Wall, J., Hellman, E., Denend, L., Rait, D., Venook, R., Lucian, L., Azagury, D., Yock, P. G., Brinton, T. J.  
2016
- **Early Left Ventricular Dysfunction is Associated with Cardiac Allograft Vasculopathy and Late Mortality After Heart Transplantation**  
Okada, K., Honda, Y., Luikart, H., Yock, P. G., Fitzgerald, P. J., Yeung, A. C., Valentine, H., Khush, K., Fearon, W.  
ELSEVIER SCIENCE INC.2016: B331
- **Bioresorbable Vascular Scaffold for the Treatment of Tapered Coronary Lesions**  
Okada, K., Kitahara, H., Yock, P., Fitzgerald, P. J., Kimura, T., Honda, Y.  
ELSEVIER SCIENCE INC.2016: B165
- **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

- **Attenuated-Signal Plaque Progression Predicts Long-Term Mortality After Heart Transplantation: IVUS Assessment of Cardiac Allograft Vasculopathy.** *Journal of the American College of Cardiology*  
Okada, K., Fearon, W. F., Luikart, H., Kitahara, H., Otagiri, K., Tanaka, S., Kimura, T., Yock, P. G., Fitzgerald, P. J., Yeung, A. C., Valantine, H. A., Khush, K. K., Honda, et al  
2016; 68 (4): 382-392
- **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
- **Association of periarterial neovascularization with progression of cardiac allograft vasculopathy and long-term clinical outcomes in heart transplant recipients** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*  
Kitahara, H., Okada, K., Tanaka, S., Yang, H., Miki, K., Kobayashi, Y., Kimura, T., Luikart, H., Yock, P. G., Yeung, A. C., Fitzgerald, P. J., Khush, K. K., Fearon, et al  
2016; 35 (6): 752-759
- **FRACTIONAL FLOW RESERVE IN PATIENTS WITH ANGINA IN THE ABSENCE OF OBSTRUCTIVE CORONARY ARTERY DISEASE: IS THERE SUCH A THING AS NORMAL CORONARY ARTERIES?**  
Kimura, T., Fearon, W., Kobayashi, Y., Okada, K., Miki, K., Pargaonkar, V., Yock, P., Fitzgerald, P., Honda, Y., Yeung, A., Tremmel, J.  
ELSEVIER SCIENCE INC.2016: 375
- **ASSESSMENT OF BIORESORBABLE SCAFFOLD STRUTS WITH A NOVEL HIGH-DEFINITION 60MHZ IVUS IMAGING SYSTEM: COMPARISON WITH 40MHZ IVUS AND OPTICAL COHERENCE TOMOGRAPHY**  
Okada, K., Okada, K., Kitahara, H., Mitsutake, Y., Kimura, T., Miki, K., Ikeno, F., Yock, P., Fitzgerald, P., Honda, Y.  
ELSEVIER SCIENCE INC.2016: 255
- **BIORESORBABLE SCAFFOLD FOR THE TREATMENT OF LESIONS IN SMALL CORONARY ARTERIES: IVUS INSIGHTS FROM THE ABSORB JAPAN TRIAL**  
Okada, K., Kitahara, H., Otagiri, K., Tanaka, S., Kimura, T., Yock, P., Fitzgerald, P., Kimura, T., Honda, Y.  
ELSEVIER SCIENCE INC.2016: 368
- **ENDOTHELIUM DEPENDENT AND INDEPENDENT VASODILATOR RESPONSES AFTER HEART TRANSPLANTATION: GEOGRAPHIC DISTRIBUTION AND ASSOCIATION WITH PROGRESSION OF CARDIAC ALLOGRAFT VASCULOPATHY**  
Okada, K., Kimura, T., Miki, K., Yock, P., Yeung, A., Fitzgerald, P., Luikart, H., Khush, K., Honda, Y., Fearon, W.  
ELSEVIER SCIENCE INC.2016: 254
- **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
- **Functional Versus Anatomic Assessment of Myocardial Bridging by Intravascular Ultrasound: Impact of Arterial Compression on Proximal Atherosclerotic Plaque.** *Journal of the American Heart Association*  
Yamada, R., Tremmel, J. A., Tanaka, S., Lin, S., Kobayashi, Y., Hollak, M. B., Yock, P. G., Fitzgerald, P. J., Schnittger, I., Honda, Y.  
2016; 5 (4)
- **Relative dose and vascular response after drug-eluting stent implantation: A dosimetric 3D-intravascular ultrasound study** *INTERNATIONAL JOURNAL OF CARDIOLOGY*  
Kitahara, H., Waseda, K., Yamada, R., Sakamoto, K., Yock, P. G., Fitzgerald, P. J., Honda, Y.  
2016; 204: 211-217
- **Needs-Based Innovation in Cardiovascular Medicine: The Stanford Biodesign Process.** *JACC. Basic to translational science*  
Schwartz, J. G., Kumar, U. N., Azagury, D. E., Brinton, T. J., Yock, P. G.  
2016; 1 (6): 541-47
- **Needs-Based Innovation in Cardiovascular Medicine The Stanford Biodesign Process** *JACC. Basic to translational science*  
Schwartz, J. G., Kumar, U. N., Azagury, D. E., Brinton, T. J., Yock, P. G.  
2016; 1 (6): 541-547

- **Paradoxical Vessel Remodeling of the Proximal Segment of the Left Anterior Descending Artery Predicts Long-Term Mortality After Heart Transplantation** *JACC-HEART FAILURE*  
Okada, K., Kitahara, H., Yang, H., Tanaka, S., Kobayashi, Y., Kimura, T., Luikart, H., Yock, P. G., Yeung, A. C., Valantine, H. A., Fitzgerald, P. J., Khush, K. K., Honda, et al  
2015; 3 (12): 942-952
- **Paradoxical Vessel Remodeling of the Proximal Segment of the Left Anterior Descending Artery Predicts Long-Term Mortality After Heart Transplantation.** *JACC. Heart failure*  
Okada, K., Kitahara, H., Yang, H., Tanaka, S., Kobayashi, Y., Kimura, T., Luikart, H., Yock, P. G., Yeung, A. C., Valantine, H. A., Fitzgerald, P. J., Khush, K. K., Honda, et al  
2015; 3 (12): 942-952
- **Impact of Stent Size Selection on Acute and Long-Term Outcomes after Drug-Eluting Stent Implantation in De Novo Coronary Lesions**  
Kitahara, H., Okada, K., Kobayashi, Y., Kimura, T., Yock, P., Fitzgerald, P. J., Honda, Y.  
ELSEVIER SCIENCE INC.2015: B225
- **Factors Affecting Quantitative Stent Assessment by Optical Frequency Domain Imaging: In Vivo Direct Comparison with Intravascular Ultrasound**  
Kobayashi, Y., Kitahara, H., Tanaka, S., Okada, K., Kimura, T., Ikeno, F., Yock, P., Fitzgerald, P. J., Honda, Y.  
ELSEVIER SCIENCE INC.2015: B134–B135
- **Head-to-Head Comparison of Two Commercially Available Automated Detection Algorithms for Lumen Contour in Optical Coherence Tomography Analysis**  
Otagiri, K., Kitahara, H., Tanaka, S., Okada, K., Kobayashi, Y., Miura, T., Ebisawa, S., Miyashita, Y., Kitabayashi, H., Yock, P., Fitzgerald, P. J., Ikeda, U., Honda, et al  
ELSEVIER SCIENCE INC.2015: B136
- **Association between Increased Number of Septal Branches within the Myocardial Bridge and Abnormal Diastolic-Fractional Flow Reserve**  
Kimura, T., Tanaka, S., Okada, K., Kitahara, H., Kobayashi, Y., Kobayashi, Y., Pargaonkar, V. S., Yock, P., Fitzgerald, P. J., Honda, Y., Rogers, I. S., Tremmel, J. A., Schnittger, et al  
ELSEVIER SCIENCE INC.2015: B139–B140
- **Variability in Quantitative Precision of Intravascular Imaging Modalities: Head-to-Head Comparison of Currently Available Coronary Imaging Systems**  
Kobayashi, Y., Kitahara, H., Tanaka, S., Okada, K., Kimura, T., Ikeno, F., Yock, P., Fitzgerald, P. J., Honda, Y.  
ELSEVIER SCIENCE INC.2015: B142
- **Assessment of Bioresorbable Scaffold With a Novel High-Definition 60MHz IVUS Imaging System: Comparison With Conventional 40MHz IVUS and Optical Coherence Tomography**  
Okada, K., Kitahara, H., Mitsutake, Y., Tanaka, S., Yock, P., Fitzgerald, P. J., Ikeno, F., Honda, Y.  
ELSEVIER SCIENCE INC.2015: B146–B147
- **PARADOXICAL ARTERIAL REMODELING OF THE PROXIMAL SEGMENT OF THE LEFT ANTERIOR DESCENDING ARTERY PREDICTS LONG-TERM MORTALITY AFTER HEART TRANSPLANTATION**  
Okada, K., Kitahara, H., Yang, H., Tanaka, S., Kobayashi, Y., Luikart, H., Yock, P., Yeung, A., Fitzgerald, P., Khush, K., Honda, Y., Fearon, W.  
ELSEVIER SCIENCE INC.2015: A1740
- **ASSOCIATION OF PERIARTERIAL NEOVASCULARIZATION WITH PROGRESSION OF CARDIAC ALLOGRAFT VASCULOPATHY AND LONG-TERM CLINICAL OUTCOMES IN HEART TRANSPLANT RECIPIENTS**  
Kitahara, H., Okada, K., Tanaka, S., Yang, H., Kobayashi, Y., Kimura, T., Luikart, H., Yock, P., Yeung, A., Fitzgerald, P., Khush, K., Fearon, W., Honda, et al  
ELSEVIER SCIENCE INC.2015: A1710
- **IMPACT OF MYOCARDIAL BRIDGING ON CORONARY ARTERY PLAQUE FORMATION AND LONG-TERM MORTALITY AFTER HEART TRANSPLANTATION**  
Tanaka, S., Okada, K., Kitahara, H., Kobayashi, Y., Luikart, H., Yock, P., Yeung, A., Schnittger, I., Fitzgerald, P., Khush, K., Fearon, W., Honda, Y.  
ELSEVIER SCIENCE INC.2015: A1741
- **A Y-shaped bifurcation-dedicated stent for the treatment of de novo coronary bifurcation lesions: an IVUS analysis from the BRANCH trial.** *EuroIntervention*  
Sakata, K., Koo, B., Waseda, K., Nakatani, D., Yock, P. G., Whitbourn, R., Worthley, S. G., Ormiston, J., Webster, M., Wilkins, G. T., Honda, Y., Meredith, I. T., Fitzgerald, et al  
2015; 10 (11): e1-8

- **A Call to Arms: New Approaches to an Old Heart Failure Problem** *JOURNAL OF CARDIAC FAILURE*  
Abnoui, F., Yock, P., Heidenreich, P.  
2014; 20 (12): 878–80
- **Appropriate Intravascular Ultrasound Measurement Intervals for Assessment of Cardiac Allograft Vasculopathy after Heart Transplantation**  
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