



INTERNATIONAL
ACADEMY OF
CARDIOLOGY

INTERNATIONAL ACADEMY OF CARDIOLOGY
ANNUAL SCIENTIFIC SESSIONS 2018
23rd WORLD CONGRESS ON
HEART DISEASE

BOSTON, MA, USA, JULY 27 – 29, 2018

PROGRAM

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Organized by:

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AMERICAN COLLEGE OF CARDIOLOGY, CALIFORNIA CHAPTER
THE AMERICAN SOCIETY FOR PREVENTIVE CARDIOLOGY
INTERNATIONAL ACADEMY OF CARDIOVASCULAR SCIENCES

Acknowledgments:

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CME Approved by AMA:

The scientific program of the International Academy of Cardiology, Annual Scientific Sessions 2018, 23rd World Congress on Heart Disease has been reviewed by the American Medical Association and approved for a maximum of 23 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. One credit may be claimed for each hour of participation in approved sessions.

Faculty Disclosure Policy:

It is the policy of the International Academy of Cardiology to ensure balance, independence, objectivity, and scientific rigor in all its educational programs. All presenters are expected to disclose to the Congress audience any real or apparent conflict of interest related to the content of their presentations.

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Dear Friend and Colleague,

On behalf of the Organizing Committee, it is my great pleasure to welcome you to Boston and to the International Academy of Cardiology, Annual Scientific Sessions 2018, 23rd World Congress on Heart Disease.

The Congress has been designed to provide an innovative and comprehensive overview of the latest research developments in cardiovascular medicine, primarily in the areas of Molecular and Cellular Cardiology, Cardiac Imaging, Coronary Artery Disease, Peripheral Arterial Disease, Interventional Cardiology, Lipoprotein Disorders, Hypertension, Metabolic Syndrome, Diabetes Mellitus, Heart Failure, Valvular Heart Disease, Diseases of the Aorta, Cardiac Arrhythmias and Electrophysiology, Congenital Heart Disease, Cardiac Surgery, and Measurement of Outcome and Quality of Cardiovascular Care.

Many distinguished cardiologists and scientists have joined the faculty and will take part in this Congress. Papers will be presented in the form of plenary sessions, symposia and posters and will include superb scientific material that was carefully selected by the Scientific Abstract Review committee from over 600 abstracts submitted for presentation at the meeting. These studies, originating from laboratories in 41 countries, assure that the meeting will be a major scientific event.

We would like to express our thanks to the pharmaceutical and manufacturing industry for their generous support, and to our dedicated staff, colleagues, friends and families for their untiring help, support and advice in planning and arranging this meeting.

We hope that you will enjoy the Congress and that your interaction with your colleagues from many different countries will stimulate a creative exchange of ideas and will be personally rewarding. We also hope and trust that you will enjoy your visit to the very beautiful and exciting city of Boston in July 2018.

Yours sincerely,



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The International Academy of Cardiology has established five awards to honor the memory of distinguished colleagues who made a major contribution to Medicine and Cardiology and who were members of the faculty for previous International Academy of Cardiology meetings. As in previous years, the recipients were selected by a very prestigious Awards Committee. The awards for 2018 will be presented at the Opening Ceremony of the Congress.

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for distinguished work in the field of Clinical Research

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2015	Ezra A. Amsterdam, USA
2016	Yochai Birnbaum, USA
2017	Luc Djoussé, USA



AWARD RECIPIENTS (Cont.)

The **ALBRECHT FLECKENSTEIN MEMORIAL AWARD**

for distinguished work in the field of Basic Research

1995	Lionel H. Opie, South Africa
1996	Peter Ganz, USA
1997	Jutta Schaper, Germany
2000	Naranjan S. Dhalla, Canada
2002	Hani N. Sabbah, USA
2003	Jawahar L. Mehta, USA
2005	Francis G. Spinale, USA
2007	Thomas Force, USA
2008	Robert Roberts, Canada
2010	Pawan K. Singal, Canada
2011	Dipak K. Das, USA
2012	Teruhiko Toyo-Oka, Japan
2013	Anne A. Knowlton, USA
2014	Kenneth Maiese, USA
2015	Samuel C. Dudley, USA
2016	Tadeusz Malinski, USA
2017	Guo-Ping Shi, USA

The **JAN J. KELLERMANN MEMORIAL AWARD**

for distinguished work in the field of Cardiovascular Disease Prevention

1995	Nanette Kass Wenger, USA
1996	James S. Forrester, USA
1997	Charles H. Hennekens, USA
2000	Bodh I. Jugdutt, Canada
2002	William T. Abraham, USA
2003	Dean Ornish, USA
2005	Rodolfo Paoletti, Italy
2007	Gerald S. Berenson, USA
2008	Philip R. Liebson, USA
2010	Elizabeth L. Barrett-Connor, USA
2011	Nathan D. Wong, USA
2012	Ulrich Keil, Germany
2013	Stephen L. Kopecky, USA
2014	Howard D. Sesso, USA
2015	Michael E. Farkouh, Canada
2016	Robert S. Rosenson, USA
2017	Samia Mora, USA

AWARD RECIPIENTS (Cont.)

The **HANS-PETER KRAYENBUEHL MEMORIAL AWARD**

for distinguished work in the field of Research in Cardiac Function

1995	Edmund H. Sonnenblick, USA
1996	Harold J.C. Swan, USA
1997	William H. Gaasch, USA
2000	Ralph Shabetai, USA
2002	Jeffrey S. Borer, USA
2003	Sergio Dalla-Volta, Italy
2005	Michael E. Cain, USA
2007	Lewis C. Becker, USA
2008	Sherif F. Nagueh, USA
2010	Gerd Heusch, Germany
2011	Martin A. Alpert, USA
2012	Louis P. Perrault, Canada
2013	Kailash N. Pandey, USA
2014	Patricia A. Pellikka, USA
2015	John J. Mahmarian, USA
2016	Brian D. Hoit, USA
2017	A. Martin Gerdes, USA

The **MELVIN L. MARCUS MEMORIAL AWARD**

for distinguished contribution as a Gifted Teacher

1995	Kanu Chatterjee, USA
1996	Shahbudin H. Rahimtoola, USA
1997	Robert A. O'Rourke, USA
2000	A. Jamil Tajik, USA
2002	Daniel S. Berman, USA
2003	David H. Spodick, USA
2005	Shlomo Stern, Israel
2007	George W. Vetrovec, USA
2008	Udho Thadani, USA
2010	Navin C. Nanda, USA
2011	Michael H. Criqui, USA
2012	Barry F. Uretsky, USA
2013	Julius M. Gardin, USA
2014	James D. Marsh, USA
2015	Gregory W. Barsness, USA
2016	Arthur L. Klatsky, USA
2017	S. David Gertz, Israel

INTERNATIONAL ACADEMY OF CARDIOLOGY DISTINGUISHED FELLOWSHIP AWARDS

The International Academy of Cardiology has established Distinguished Fellowship Awards to honor colleagues who have made profound contributions to Cardiovascular Medicine and provided important service to the Academy. The Awards will be presented each year to Faculty Members of the World Congress on Heart Disease at the opening Ceremony of the Congress.

DISTINGUISHED FELLOWSHIP AWARD RECIPIENTS

2005	Jeffrey S. Borer, USA
2005	Kanu Chatterjee, USA
2005	Hani N. Sabbah, USA
2007	James H. Chesebro, USA
2007	Uri Elkayam, USA
2007	Francis G. Spinale, USA
2008	Martin Alpert, USA
2008	Naranjan S. Dhalla, Canada
2008	John A. Elefteriades, USA
2010	Anne B. Curtis, USA
2011	Lewis C. Becker, USA
2011	Daniel S. Berman, USA
2011	Bodh I. Jugdutt, USA
2012	Wilbert S. Aronow, USA
2012	Navin C. Nanda, USA
2012	Robert Roberts, Canada
2013	Elizabeth Barrett-Connor, USA
2013	Michael E. Cain, USA
2013	Michael H. Criqui, USA
2014	Yzhar Charuzi, USA
2014	Jawahar L. Mehta, USA
2014	George W. Vetrovec, USA
2014	Nathan D. Wong, USA
2015	S. David Gertz, Israel
2015	Anne A. Knowlton, USA
2015	Udho Thadani, USA
2016	Charles H. Hennekens, USA
2016	Shahbudin H. Rahimtoola, USA
2016	Nanette K. Wenger, USA
2017	Paul A. Heidenreich, USA
2017	Hani N. Sabbah, USA
2017	Takanobu Tomaru, Japan
2017	Barry F. Uretsky, USA

INTERNATIONAL ACADEMY OF CARDIOLOGY OPENING LECTURES

Since 2005, the Opening Lecture has been presented as the J.H.C Swan Memorial Lecture.

- 1989 HEART FAILURE: ETIOLOGICAL MODELS AND THERAPEUTIC IMPLICATIONS
Edmund H. Sonnenblick, USA
- 1993 THE MOLECULAR BIOLOGY OF CARDIAC HYPERTROPHY AND FAILURE:
THE POTENTIAL FOR MOLECULAR INTERVENTION
Robert Roberts, USA
- 1995 CARDIOMYOPATHY OF OVERLOAD: AN UNNATURAL GROWTH RESPONSE
IN THE FAILING HEART
Arnold M. Katz, USA
- 1996 PREVENTION OF HEART FAILURE - FEASIBLE AND DESIRABLE
Kanu Chatterjee, USA
- 1997 MORPHOLOGICAL AND FUNCTIONAL TRANSFORMATION OF THE LEFT
VENTRICLE IN HEART FAILURE
Sidney Goldstein, USA
- 1998 PREVENTION OF CORONARY DISEASE EVENTS: MYTHS AND OPPORTUNITIES
Harold J.C. Swan, USA
- 1999 NEW CONCEPTS CONCERNING THE CELL BIOLOGY OF VULNERABLE
PLAQUES
James S. Forrester, USA
- 2000 THE CELLULAR AND MOLECULAR BASIS OF HEART FAILURE IN VALVULAR
REGURGITATION: RELATION TO CLINICAL OUTCOME
Jeffrey S. Borer, USA
- 2001 MODERN PERSPECTIVES ON DISEASES OF THE THORACIC AORTA
John A. Eleftheriades, USA
- 2002 GENETIC MECHANISMS OF HEART FAILURE
Jeffrey A. Towbin, USA
- 2003 HEART FAILURE AND THE NEED FOR DEVICE THERAPY
William T. Abraham, USA

- 2005 INTEGRATION OF CARDIAC MRI, CARDIAC CT SCANNING, AND NUCLEAR CARDIOLOGY IN CLINICAL ASSESSMENT OF PATIENTS WITH KNOWN OR SUSPECTED CHRONIC CAD: WHICH TEST IN WHICH PATIENT?
D.S. Berman, USA
- 2007 HOW BEST TO IDENTIFY PATIENTS AT RISK FOR SUDDEN CARDIAC DEATH
M.E. Cain, USA
- 2008 WOMEN AND HEART DISEASE IN THE POST-WHI ERA
E.L. Barrett-Connor, USA
- 2010 VOODOO DEATH REVISITED: THE MODERN LESSONS OF NEUROCARDIOLOGY
M.A. Samuels, USA
- 2011 ANGIOGENESIS IN ATHEROSCLEROSIS: MECHANISM, ROLE AND THERAPEUTIC IMPLICATION
J.L. Mehta, USA
- 2012 PERIPARTUM CARDIOMYOPATHY: NEW CONCEPTS IN PATHOPHYSIOLOGY AND MANAGEMENT
U. Elkayam, USA
- 2013 CVD IN WOMEN: A FRESH PERSPECTIVE
E.A. Amsterdam, USA
- 2014 GENDER DISPARITY IN CORONARY HEART DISEASE: BIAS, BIOLOGY, OR BOTH?
N.K. Wenger, USA
- 2015 STATE-OF-THE-ART CVD PREVENTION: LOOKING BEYOND AND INTERPRETING THE ACC/AHA PREVENTION OF CARDIOVASCULAR DISEASE GUIDELINES
N.D. Wong, USA
- 2016 THE WAR ON HEART FAILURE
E. Braunwald, USA
- 2017 IMPROVEMENT IN QUALITY OF CARE FOR ATRIAL FIBRILLATION IN GET WITH THE GUIDELINES– ATRIAL FIBRILLATION (GWTG-AFIB)
A.B. Curtis, USA

ACKNOWLEDGMENTS

We would like to offer very special thanks to the following companies;

GOLD LEVEL

Actelion Pharmaceuticals US, Inc

BRONZE LEVEL

Abbott

Boston Scientific Corporation

for providing educational grants.

The International Academy of Cardiology expresses its sincere thanks to our dedicated staff who helped bring this meeting to reality.

Roland Archer

Dror Ben-Tzvi

Karen H. Burstein

Liron Burstein

Maytal Burstein

Noam Burstein

Cirina Catania

Sergey Fedchin

Rami Gur

Orly Halevy

Oren Hirschenzone

Caroline L. Jia

Rebeca Kimchi

Vicky Klug

Micha Lederman

Shannon J. Leung

Karen Lo

Einat Peled

Mike Perchig

Niharika Reddy

Karyn Shall Nahari

Jenna M. Stelmar

The music is provided with pleasure by Dr. Psyche Loui, Dr. Michael Barnett, Dr. Julie Reimann, and Dr. Andrea Spencer, Chamber Players representing the Longwood Symphony Orchestra. The LSO is the orchestra of Boston's medical community, whose mission is to perform concerts of musical diversity and excellence while supporting health-related nonprofit organizations through public performances.

Our grateful thanks also to Gerald F. Edelstein, partners, associates and staff of Edelstein, Laird & Sobel, P.C., Los Angeles, USA, for their continuing support and invaluable contribution in arranging the legal aspects of the Congress.

GENERAL INFORMATION

VENUE AND HEADQUARTERS HOTEL

The Westin Copley Place is the venue and headquarters hotel of the
International Academy of Cardiology
Annual Scientific Sessions 2018
23rd World Congress on Heart Disease

Hotel Address:

The Westin Copley Place, Boston
10 Huntington Avenue
Boston, MA, 02116, USA
Phone: +1 617 262 9600

LANGUAGE

The official language of the Congress is English.

REGISTRATION DESK

The Registration Desk will operate as follows:

Thursday, July 26, 2018	16:00 - 18:30 hours
Friday, July 27, 2018	08:00 - 18:00 hours
Saturday, July 28, 2018	08:00 - 18:00 hours
Sunday, July 29, 2018	08:00 - 14:00 hours

PROJECTION EQUIPMENT

If using a **Powerpoint** (or any other computer) presentation, please note you need to provide the presentation on a CD, DVD or memory stick (using the USB port in the computer) and load it onto one of the Congress' computers in the Speaker Ready Room, at least 1 hour before the start of your session. You may bring your own computer as back up together with the technician in the session hall where your lecture will take place during the break prior to your session.

If combining video film with PowerPoint, please make sure to check your presentation in the session hall where your lecture is taking place during a coffee or lunch break prior to your session, at least 30 minutes before the start of the session – **even after checking it in the Speaker Ready Room.**

Please note that the Congress' computers in the session halls are supplied with Office 2010 (at least) and the native projection ratio of the screens in the Halls will be 4:3.

Please note that VHS video projection, 35 mm slide projection and overhead projection will not be available.

GENERAL INFORMATION (Cont.)

POSTER PRESENTATIONS

Please see the program for the exact date of your poster presentation. Presenters must put up their posters by 07:50 if presenting in the morning session on the relevant day of their presentation and remove them by 13:00. If presenting in the afternoon session, posters should be put up by 13:30 and dismantled by 18:30 on the same day.

PLEASE NOTE: The Congress Organizers are not responsible for posters that have not been removed / collected by the end of designated sessions. Please make yourself available next to your poster during coffee and lunch breaks to answer possible questions.

WIFI ACCESS

Free WiFi access will be provided on the Congress floor (3rd floor) during session hours.

EXHIBITION

An exhibition will take place during the Congress and will be open as follows:

Friday, July 27	10:00 – 17:00
Saturday, July 28	10:00 – 17:00
Sunday, July 29	10:00 – 13:00

GET-TOGETHER RECEPTION

Registered participants are invited to the Get-Together Reception, which will take place in the Staffordshire Hall on the third floor of the Westin Copley Place on Thursday, July 26, 2018, from 18:00 – 19:00.

FAREWELL DINNER (Optional)

The Farewell Dinner will take place on Saturday, July 28, 2018. Tickets to the dinner are sold-out and no more tickets may be purchased.

AMA CME

We are pleased to announce that the scientific program of the International Academy of Cardiology, Annual Scientific Sessions 2018, 23rd World Congress on Heart Disease has been approved for 23 *AMA-PRA Category 1 Credits*[™].

Physicians should claim only the credit commensurate with the extent of their participation in the activity. One credit may be claimed for each hour of participation in approved sessions. Credit claim forms will be available at the registration desk and in your registration packet.

GENERAL INFORMATION (Cont.)

PUBLICATION OF ABSTRACTS

Presented abstracts were published in a special online supplement issue of the journal *CARDIOLOGY* published by S. Karger AG, Basel, Switzerland. (www.karger.com). (Cardiology 2018;140(suppl 1) 1-438 International Academy of Cardiology, Annual Scientific Sessions 2018, 23rd World Congress on Heart Disease)

INSURANCE

The Congress Secretariat and Organizers cannot accept liability for personal accidents or loss of, or damage to, private property of participants, students and accompanying persons, either during or indirectly arising from the International Academy of Cardiology, Annual Scientific Sessions 2018, 23rd World Congress on Heart Disease. Participants should make their own arrangements with respect to health and travel insurance.

CONGRESS SECRETARIAT

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Annual Scientific Sessions 2018
23rd World Congress on Heart Disease
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E-mail: klimedco@ucla.edu
Website: www.CardiologyOnline.com

ORGANIZERS

CARDIOLOGY ONLINE

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Website: www.CardiologyOnline.com



SOCIAL PROGRAM

THURSDAY, JULY 26, 2018

GET-TOGETHER RECEPTION

18:00 – 19:00

Registered participants are invited to the Get-Together Reception, which will take place in the Staffordshire Hall on the third floor of the Westin Copley Place.



SATURDAY, JULY 28, 2018

20:00

FAREWELL DINNER (Optional)

Tickets to the dinner are sold-out and no more tickets may be purchased.



LIST OF EXHIBITORS AND SPONSORS

We would like to acknowledge the following companies for contributing their financial support and educational exhibits to this congress:

■ **ACTELION PHARMACEUTICALS US, INC.**

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EXHIBITORS

■ **Akcea Therapeutics**

2870 Whiptail Loop East
Carlsbad, CA, 92010
USA
<https://akceatx.com>

Akcea Therapeutics is a development and commercialization company focused on helping patients with serious and rare diseases. The name “Akcea” is derived from the Greek word for value and worth. Something that has “akcea” is not common, but precious and rare. Our name supports the value we are creating for the healthcare provider community, patients, and their families. We are driven by knowing that patients depend on us.

■ **Alnylam Pharmaceuticals**

300 Third St
Cambridge, MA 02142
USA
www.alnylam.com

Alnylam was founded in 2002, and now has more than 700 employees around the world. Alnylam’s pipeline is focused on a range of debilitating diseases with high unmet medical need in the following areas: Genetic Medicines, Cardio-Metabolic Diseases and Hepatic Infectious Diseases. Alnylam is committed to raising awareness of hATTR amyloidosis.

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■ **Zero Gravity Skin**

940 Lincoln Rd
Miami Beach, FL, 33139
USA
www.zerogravityskin.com

Zero Gravity Skin is a wholesaler and supplier of LED medical devices that are FDA approved for pain management and skin rejuvenation.



INTERNATIONAL
ACADEMY OF
CARDIOLOGY

INTERNATIONAL ACADEMY OF CARDIOLOGY
ANNUAL SCIENTIFIC SESSIONS 2018
23rd WORLD CONGRESS ON
HEART DISEASE

BOSTON, MA, USA, JULY 27 – 29, 2018

SCIENTIFIC
PROGRAM
FRIDAY, JULY 27, 2018

SCIENTIFIC PROGRAM



FRIDAY, JULY 27, 2018

09:00 – 10:30

Hall A

OC: **OPENING CEREMONY**

Chair: **John A. Eleftheriades**, USA

GREETINGS

Asher Kimchi, USA

Founder and Chairman

International Academy of Cardiology

John A. Eleftheriades, USA

Chair, Scientific Executive Committee

Chair, Section of Cardiovascular Surgery

International Academy of Cardiology

Jeffrey S. Borer, USA

Member, Scientific Executive Committee

Chair, Section of Valvular Heart Disease

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Naranjan S. Dhalla, Canada

Member, Scientific Executive Committee

Chair, Section of Molecular Cardiology

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Member, Scientific Executive Committee

Chair, Section of Hypertension

International Academy of Cardiology

Samia Mora, USA

Member, Scientific Executive Committee

Chair, Section of Preventive Cardiology

International Academy of Cardiology

PRESENTATION OF 2018 AWARDS

John A. Eleftheriades, USA

FRIDAY, JULY 27, 2018

09:55 – 10:30

Hall A

OL: Opening Lecture
TWELFTH H.J.C. SWAN MEMORIAL LECTURE

Chair: **J.D. Marsh**, Little Rock, AR, USA

Abstract No.

09:55 INTRODUCTION

J.D. Marsh, Little Rock, AR, USA

10:00 EVOLVING LANDSCAPE OF ANTITHROMBOTIC THERAPY FOR
 ATHEROSCLEROSIS
 (Invited Lecture)

187

D.L. Bhatt, Brigham and Women's Hospital, Boston, MA, USA

10:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

11:00 – 12:45

Hall A

PL01 Plenary Session
**CELLULAR AND MOLECULAR BIOLOGY TARGETS FOR CLINICAL CARE IN
 CARDIOVASCULAR DISEASE**

Chairs: **T. Malinski**, Athens, OH, USA
J. Robbins, Cincinnati, OH, USA

11:00 NANOMEDICAL STUDIES OF ENDOTHELIAL AGING IN THE
 CARDIOVASCULAR SYSTEM (Invited Lecture)

001

T. Malinski, H. Dawoud, M. Osama
 University, Athens, OH, USA

11:15 PROTEOTOXICITY AND CARDIAC DISEASE (Invited Lecture)

003

J. Robbins
 Cincinnati Children's Hospital/Univ. Cincinnati, Cincinnati, OH, USA

11:30 MOLECULAR MECHANISMS UNDERLYING THE ANTI-ATHEROGENIC
 ACTIONS OF NUTRACEUTICALS (Invited Lecture)

004

J.W.E. Moss, J.O. Williams, H. Gallagher, W. Al-Ahmadi, A. Ismail, V. O'Morain,
D.P. Ramji

FRIDAY, JULY 27, 2018

11:00 – 12:45

Hall A

PL01

Plenary Session

CELLULAR AND MOLECULAR BIOLOGY TARGETS FOR CLINICAL CARE IN CARDIOVASCULAR DISEASE (continued)

Abstract No.

- | | | |
|-------|---|-----|
| 11:45 | PDE5 INHIBITION WITH SILDENAFIL ATTENUATES ALCOHOL-INDUCED CARDIAC DYSFUNCTION IN OBESE DIABETIC MICE: ROLE OF MicroRNA 21 (Invited Lecture)
R.C. Kukreja , A. Samidurai, L. Xi, F. Salloum, A. Das
Virginia Commonwealth University, Richmond, VA, USA | 005 |
| 12:00 | T3 VERSUS METOPROLOL TREATMENT OF RATS WITH MYOCARDIAL INFARCTION - AND THE WINNER IS? (Invited Lecture)
A.M. Gerdes , K. Zhang, Y. Zhang, K. Ojamaa, Y.-D. Tang
New York Institute of Technology, Old Westbury, NY, USA | 006 |
| 12:15 | CARDIAC TARGETING PEPTIDE; A NOVEL CARDIAC TARGETING PROTEIN TRANSDUCTION DOMAIN (Invited Lecture)
M. Zahid
University of Pittsburgh, Pittsburgh, PA, USA | 007 |
| 12:30 | ANTIBODIES TO MALONDIALDEHYDE-ACETALDEHYDE (MAA) PROTEIN ADDUCT AS A BIOMARKER FOR CARDIOVASCULAR MANIFESTATIONS IN SYSTEMIC LUPUS ERYTHEMATOSUS (Invited Lecture)
K. Su , Y. Yu, T. Wang, P.D. Lopez, C. Tineo, G. Paulino, M. Hearth-Holmes, E. Loyo
University of Nebraska Medical Center, Omaha, NE, USA | 008 |
| 12:45 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION | |

FRIDAY, JULY 27, 2018

11:00 – 13:00

Hall B

PL02 Plenary Session
INSIGHTS FROM MULTIMODALITY CARDIOVASCULAR IMAGING

Chairs: **D.S. Berman**, Los Angeles, CA, USA
J.J. Mahmarian, Houston, TX, USA

Abstract No.

- | | | |
|-------|--|-----|
| 11:00 | CALCIUM SCORING - WHERE DO WE STAND IN 2018? (Invited Lecture)
J.J. Mahmarian
Weill Cornell Medical College, Houston Methodist Hospital, Houston, TX, USA | 009 |
| 11:15 | BEYOND STENOSIS: PLAQUE AND ISCHEMIA ASSESSMENTS BY CORONARY CTA (Invited Lecture)
D.S. Berman , Y. Otaki, J. Friedman, S. Hayes, L. Thomson, E. Eisenberg, A. Rozanski, P. Slomka, D. Dey, B.K. Tamarappoo
Cedars-Sinai Medical Center, Los Angeles, CA, USA | 010 |
| 11:30 | NEXT GENERATION INTRAVASCULAR COMPOSITIONAL IMAGING ASSESSMENT OF THE HIGH-RISK PLAQUE (Invited Lecture)
J.W. Kim
Korea University Guro Hospital, Seoul, Republic of Korea | 011 |
| 11:45 | NOVEL ULTRASOUND IMAGING STRATEGIES FOR ISCHEMIC HEART DISEASE (Invited Lecture)
J.M. Gardin
Rutgers New Jersey Medical School, Newark, NJ, USA | 012 |
| 12:00 | OPTICAL COHERENCE TOMOGRAPHY FOR THE DETECTION OF VULNERABLE PLAQUE (Invited Lecture)
T. Kubo
Wakayama Medical University, Wakayama, Japan | 013 |
| 12:15 | ADVANCES IN MYOCARDIAL RECEPTOR IMAGING WITH PET: THE ANGIOTENSIN AND ENDOCANNABINOID SYSTEM (Invited Lecture)
T.H. Schindler , I. Valenta, P. Pacher
Washington University, Saint Louis, MO, USA | 014 |
| 12:30 | STRENGTHS AND WEAKNESSES OF EXERCISE ECHOCARDIOGRAPHY (Invited Lecture)
M. Prokudina
International Heart Center, St. Petersburg, Russian Federation | 015 |
| 12:45 | A FRAMEWORK FOR WEARABLE TECHNOLOGIES IN CARDIOLOGY (Invited Lecture)
I. Kedan
Cedars Sinai Smidt Heart Institute, Beverly Hills, CA, USA | 016 |
| 13:00 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION | |

FRIDAY, JULY 27, 2018

11:00 – 13:30

Hall C

PL03

Plenary Session

MECHANISMS AND MANAGEMENT OF HEART FAILURE IN 2018: HOW CAN WE DO BETTER?

Chairs: **R.C. Bourge**, Birmingham, AL, USA
H.N. Sabbah, Detroit, MI, USA

Abstract No.

- | | | |
|-------|--|-----|
| 11:00 | MYOCARDIAL INTERSTITIAL FIBROSIS IN HEART FAILURE: BEYOND VENTRICULAR STIFFNESS (Invited Lecture)
H.N. Sabbah
Henry Ford Hospital, Detroit, MI, USA | 017 |
| 11:15 | EFFECT OF INSTITUTIONAL EXPERIENCE ON OUTCOMES OF ALCOHOL SEPTAL ABLATION FOR HYPERTROPHIC OBSTRUCTIVE CARDIOMYOPATHY (Invited Lecture)
J. Veselka , L. Faber, M. Kvistholm Jensen, R. Cooper, J. Januska, J. Krejci, T. Bartel, M. Dabrowski, P.R. Hansen, V.M. Almaas, H. Seggewiss, D. Horstkotte, R. Adlova, H. Bundgaard, J.ten Berg, M. Liebregts
Charles University, University Hospital Motol, Prague, Czech Republic | 018 |
| 11:30 | PULMONARY HYPERTENSION - HAVE WE GONE FROM A DEATH SENTENCE TO A "FORGETTABLE DISEASE" FOR MANY IN 30 YEARS? (Invited Lecture)
R.C. Bourge
The University of Alabama at Birmingham, Birmingham, AL, USA | 019 |
| 11:45 | CLEARING OF β_1 -RECEPTOR AUTOANTIBODIES FROM THE BLOOD: A USEFUL TREATMENT OPTION FOR IDIOPATHIC DILATED CARDIOMYOPATHY (Invited Lecture)
M. Dandel
Deutsches Herzzentrum Berlin, Berlin, Germany | 020 |
| 12:00 | A NEW APPROACH TO HEART VALVE DISEASE: INTERVENTION OR PREVENTION? (Invited Lecture)
R. Levine
Massachusetts General Hospital, Boston, MA, USA | 021 |
| 12:15 | THE ROLE OF LEFT ATRIAL STRAIN IN HEART FAILURE (Invited Lecture)
B. Hoit
University Hospitals Cleveland Medical Center, Cleveland, OH, USA | 022 |
| 12:30 | FAMILIAL MITOCHONDRIAL CARDIOMYOPATHY (Invited Lecture)
A. Lorber , R. Tal
Rambam Medical Center, Haifa, Israel | 023 |

PL03 Plenary Session**MECHANISMS AND MANAGEMENT OF HEART FAILURE IN 2018:
HOW CAN WE DO BETTER? (continued)**

Abstract No.

- | | | |
|-------|--|-----|
| 12:45 | THERAPEUTIC EFFECT OF IMMUNOADSORPTION IN PATIENTS WITH INFLAMMATORY CARDIOMYOPATHY: RESULTS FROM THE PROSPECTIVE BAD BERKA REGISTRY (Invited Lecture)
M.-A. Ohlow , M. Schreiber
Zentralklinik, Bad Berka, Germany | 024 |
| 13:00 | HFpEF AS A SYSTEMIC DISEASE - WHAT CAN WE LEARN FROM CARDIOPULMONARY EXERCISE TESTING? (Invited Lecture)
J. Ho
Massachusetts General Hospital, Boston, MA, USA | 025 |
| 13:15 | CARDIAC REHABILITATION AND ITS EFFECTS ON COGNITION IN SUBJECTS WITH CORONARY ARTERY DISEASE AND HEART FAILURE (Invited Lecture)
K. Alagiakrishnan
University of Alberta, Edmonton, AB, Canada | 026 |
| 13:30 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION | |

P101 CARDIOVASCULAR PHARMACOLOGY AND DRUG THERAPY

Board No.		Abstract No.
1	<p>CARDIOVASCULAR BENEFITS OF DIURETIC-BASED THERAPIES COMBINED WITH SIMVASTATIN IN HIGH-RISK HYPERTENSIVE PATIENTS WITH A HIGH-NORMAL LEVEL OF TOTAL CHOLESTEROL P.P. Lu, L.H. Ma, L.Y. Ma, A.H. Hu, X.L. Zhou, W. Wang, L.S. Liu Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy of Medical Science and Peking Union Medical College, Beijing, China</p>	027
2	<p>PHENYTOIN INHIBITS THE EXPRESSION OF CARDIAC CAV1.2 CHANNELS VIA DISRUPTING SYNTHESIS AND TRAFFICKING D. Han, P. Liu, X. Sun, Y. Liu, J. Sun The First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China</p>	028
3	<p>NONSPECIFIC INTERSTITIAL PNEUMONIA: A RARE ADVERSE REACTION OF ATORVASTATIN J. Xu, S. Verga, J. Stoll, L. Pioppo, W. Khan Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA</p>	029
4	<p>EFFECTS OF STATIN USE ON ADVERSE OUTCOMES IN PATIENTS WITH ATRIAL FIBRILLATION S. Wu, Y.M. Yang National Center for Cardiovascular Diseases, Fuwai Hospital, Beijing, China</p>	030
5	<p>LIDOCAINE TOXICITY MANIFESTING AS ACUTE STROKE: A RARE PRESENTATION L. Hou, J. Xu, E. Pagan, K. Patel, A. Hakeem Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA</p>	031
6	<p>A CASE REPORT OF HEART FAILURE WITH PRESERVED EJECTION FRACTION DURING ATRIAL FIBRILLATION TREATMENT WITH PILSICAINIDE T.J. Matsubara, K. Fujitu, S. Ohnishi, M. Yamasaki University of Tokyo, Tokyo, Japan</p>	032

P102 CONGENITAL HEART DISEASE AND PEDIATRIC CARDIOLOGY

Board No		Abstract No.
7	<p>DETERMINATION OF RIGHT VENTRICULAR FUNCTION BY SYSTOLIC TO DIASTOLIC DURATION RATIO IN TETRALOGY OF FALLOT</p> <p>A.L. Arndt, K.W. Holmes Oregon Health and Science University, Portland, OR, USA</p>	033
8	<p>IDIOPATHIC PERICARDIAL EFFUSION AND CARDIAC TAMPONADE IN CHILDREN WITH TRISOMY 21</p> <p>C.B. Johnson, A. Qasim, M.A. Aly, A.M. Aly University of Texas Medical Branch, Galveston, TX, USA</p>	034
9	<p>ISOLATED FAMILIAL RIGHT VENTRICULAR HYPOPLASIA</p> <p>A.M. Aly, S. Dasgupta, A. Jain University of Texas Medical Branch, Galveston, TX, USA</p>	035
10	<p>FETAL DIAGNOSIS AND NEONATAL PALLIATION OF ABSENT AORTIC VALVE WITH HYPOPLASTIC LEFT HEART SYNDROME</p> <p>A. Qasim, C.B. Johnson, M.A. Aly, A.M. Aly University of Texas Medical Branch, Galveston, TX, USA</p>	036
11	<p>DESPITE THE ODDS</p> <p>A. Addoumieh, M. Abdallah, D. Majdalany Cleveland Clinic, Cleveland, OH, USA</p>	037
12	<p>UNROOFED CORONARY SINUS AND PERSISTENT LEFT SUPERIOR VENA CAVA: LATE ONSET SYMPTOMS POST-SURGICAL CORRECTION</p> <p>B. Gheyath, G. Pettersson, D. Majdalany Cleveland Clinic Foundation, Cleveland, OH, USA</p>	038
13	<p>MULTIMODALITY IMAGING OF ANOMALOUS RIGHT CORONARY ARTERY WITH INTERARTERIAL COURSE FOUND DURING A NON ST ELEVATION MYOCARDIAL INFARCTION</p> <p>M. Bintvihok, J. Aoun, M. Almeqdadi, M. Afari, A. Davidoff, L. Tsao St. Elizabeth's Medical Center, Boston, MA, USA</p>	039
14	<p>COMPARISON OF ECHOCARDIOGRAPHIC CRITERIA FOR DIAGNOSING LEFT VENTRICULAR NONCOMPACTION IN PATIENTS WITH CLINICAL CARDIOMYOPATHY</p> <p>G. Hackett, F. Munir, R. Tunks, T. Chin Penn State Health Children's Hospital, Hershey, PA, USA</p>	040

P103 TRANSCATHETER THERAPY FOR STRUCTURAL HEART DISEASE

Board No		Abstract No.
15	<p>PERMANENT PACEMAKER (PPM) INSERTION IN PATIENTS WITH CONDUCTION ABNORMALITIES POST TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR): A REVIEW AND PROPOSED GUIDELINES</p> <p>A.S. Nanda, T. Bob-Manuel, V. Chinta, A. Sharma, U. Ashraf, J. Kelly, I. Pour-Ghaz, R.N. Khouzam</p> <p>University of Tennessee, Memphis, TN, USA</p>	041
16	<p>SMOKER'S PARADOX: THE IMPACT OF SMOKING IN PATIENTS UNDERGOING TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR).</p> <p>A.S. Nanda, M. Agarwal, A. Sharma, V. Chinta, U. Ashraf, J. Kelly, I. Pour-Ghaz, R.N. Khouzam</p> <p>University of Tennessee, Memphis, TN, USA</p>	042
17	<p>EFFECTS OF SMOKING ON ECHOCARDIOGRAPHIC AND CLINICAL OUTCOMES AFTER TRANSCATHETER AORTIC VALVE REPLACEMENT</p> <p>A. Mehlmán, A. Radhakrishnan, I. Sunjic, C. Bitetzakis, E. Sadic, A. Bhandari, F. Alvarado, A. Chen, A. Patel, Y. Lu</p> <p>University of South Florida, Tampa, FL, USA</p>	043
18	<p>ASSESSMENT OF IMPACT OF PREPROCEDURAL PULMONARY HYPERTENSION TO THE CLINICAL OUTCOMES IN PATIENTS UNDERGOING TRANSCATHETER AORTIC VALVE REPLACEMENT; A SINGLE CENTER EXPERIENCE</p> <p>M. Farhoud, S. Banga, C. Bhardwaj</p> <p>OSF SFMC, Peoria, IL, USA</p>	044
19	<p>INTERMEDIATE-TERM PACEMAKER DEPENDENCY FOLLOWING TRANSCATHETER AORTIC VALVE REPLACEMENT</p> <p>E. Choi, J. Lee, A. Karnik, K. Lee, V. Kumar, H. Chaudry, S.X. Li, T.B. Curran, B.W. Andrus, J.T. DeVries</p> <p>Dartmouth Hitchcock Medical Center, Lebanon, NH, USA</p>	045
20	<p>IMPACT OF TRANSCATHETER AORTIC VALVE REPLACEMENT ON SHORT AND LONG-TERM KIDNEY FUNCTION</p> <p>J. Aoun, C. Zahm, T. Bhat, S. Lahsaei, J.P. Carrozza</p> <p>Saint Elizabeth's Medical Center, Brighton, MA, USA</p>	046
21	<p>THE SAFETY AND FEASIBILITY OF A NOVEL CLOSURE TECHNIQUE IN TRANSCATHETER AORTIC VALVE REPLACEMENT</p> <p>G.A. Medranda, R. Schwartz, S. Green</p> <p>NYU Winthrop Hospital, Mineola, NY, USA</p>	047

P104 CARDIAC SURGERY AND MECHANICAL CIRCULATORY SUPPORT

Board No		Abstract No.
22	<p>REVERSE-U-AORTOTOMY (KIRALI INCISION) IS SAFE FOR AORTIC VALVE REPLACEMENT</p> <p>O. Altas, T. Ozer, M. Ozgur, S. Sarikaya, K. Kirali Kosuyolu Heart Training and Research Hospital, Istanbul, Turkey</p>	048
23	<p>INTRA-AORTIC BALLOON PUMP IS ASSOCIATED WITH INCREASED MORTALITY IN PATIENTS WITH ST-ELEVATION MYOCARDIAL INFARCTION UNDERGOING PRIMARY PERCUTANEOUS CORONARY INTERVENTION: A RETROSPECTIVE ANALYSIS</p> <p>J. Kewcharoen, C. Techorueangwiwat, T. Limjaroen, A. Ariyachaipanich Chulalongkorn University, Bangkok, Thailand.</p>	049
24	<p>EFFECT OF PLEURAL INTEGRITY DURING ITA HARVESTING ON POSTOPERATIVE RESPIRATORY FUNCTIONS AFTER CARDIAC SURGERY</p> <p>O. Altas, O. Yerlikhan, M. Aksut, T. Ozer, D. Gunay, A. Karakoc, K. Kirali; Kosuyolu Heart Training and Research Hospital, Istanbul, Turkey</p>	050
25	<p>AN UNUSUAL CASE OF INTRACARDIAC FOREIGN BODY FOLLOWING A NECK INJURY; A CASE REPORT AND REVIEW OF LITERATURE</p> <p>M. Ghanim, S. Bsata, B. Campbell, G. Daly, A. Agnihotri, L. Tsao Saint Elizabeth Medical Center, Brighton, MA, USA</p>	051
26	<p>LATE ISCHEMIC COMPLICATION OF ATYPICAL BENTALL PROCEDURE, LEADING TO ACUTE MYOCARDIAL ISCHEMIA</p> <p>G. Jolly, A. Haidry, S. Pal, M. Hasan Khan, W. Aronow Westchester Medical Center, Valhalla, NY, USA.</p>	052

P105 MEASUREMENT OF OUTCOMES AND QUALITY OF CARDIOVASCULAR CARE

27	<p>A MODIFIED PUNCTURE METHOD DECREASES THE VENOUS INDWELLING NEEDLE RELATED COMPLICATIONS IN INPATIENTS WITH CARDIOVASCULAR DISEASES: A SINGLE CENTER PROSPECTIVE RANDOMIZED STUDY</p> <p>Y. Liu, D. Han, X. Li The First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China</p>	053
28	<p>CLINICAL UTILITY OF AN OBSERVATION UNIT IN THE OUTCOME OF COCAINE-INDUCED CHEST PAIN</p> <p>C. Dumancas, T.O Mene-Afejuku, P.D. Lopez, A. Akinlonu, E. Ngo, S. Mushiyeve, F. Visco, G. Pekler Metropolitan Hospital, New York, NY, USA</p>	054
29	<p>QUALITY IMPROVEMENT IN POST HEART CATHETERIZATION CARE</p> <p>K. Gu, M. Katz, D. Chang, E. Randhawa, K. D'Mello, G. Ledley Drexel University College of Medicine, Philadelphia, PA, USA</p>	055

FRIDAY, JULY 27, 2018

14:00 – 16:15

Hall A

PL04

Plenary Session

IDENTIFICATION AND MODIFICATION OF NOVEL RISK FACTORS FOR CARDIOVASCULAR DISEASES

Chairs: **N.S. Dhalla**, Winnipeg, MB, Canada
J.D. Marsh, Little Rock, AR, USA

Abstract No.

- | | | |
|-------|--|-----|
| 14:00 | LOW T/HIGH T TESTOSTERONE AND THE HEART (Invited Lecture)
J.D. Marsh ,
University of Arkansas for Medical Sciences, Little Rock, AR, USA | 056 |
| 14:15 | STORE OPERATED Ca ²⁺ -CHANNEL BLOCKERS AS A POTENTIAL THERAPY FOR HYPERTENSION (Invited Lecture)
N.S. Dhalla , St. Boniface Hospital Albrechtsen Research Centre, Winnipeg, MB, Canada | 057 |
| 14:30 | CARDIOVASCULAR RISK FACTORS: AN UPDATE (Invited Lecture)
C. Chen , J. Lu, Q. Yao, Baylor College of Medicine, Houston, TX, USA | 058 |
| 14:45 | AGE-RAGE STRESS IN CARDIAC DISEASES (Invited Lecture)
K. Prasad , University of Saskatchewan, Saskatoon, SK, Canada | 059 |
| 15:00 | HEMODYNAMIC MODULATION OF NON-PLATELET THROMBOXANE GENERATION (Invited Lecture)
J. Rade , University of Massachusetts Medical School, Worcester, MA, USA | 060 |
| 15:15 | CLINICALLY RELEVANT INTERACTIONS BETWEEN CARDIOVASCULAR DRUGS, HERBALS AND FRUIT JUICES: MECHANISMS OF INTERACTIONS AND PRESCRIBING STRATEGIES (Invited Lecture)
H. Buttar , University of Ottawa, Ottawa, Canada | 061 |
| 15:30 | ROLE OF NITRATES IN THE PREVENTION OF MYOCARDIAL ISCHEMIA ASSOCIATED WITH CARFILZOMIB INFUSION (Invited Lecture)
T. Scarabelli , St John Hospital and Medical Center, Detroit, MI, USA | 062 |
| 15:45 | DECIPHERING THE ROLE OF MITOPHAGY-LYSOSOME DYSFUNCTION IN THE DIABETIC HEART (Invited Lecture)
Q. Liang , S. Kobayashi, F. Zhao, Y. Huang, T. Kobayashi
New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA | 063 |
| 16:00 | RAPAMYCIN PROTECTS DIABETIC RABBIT HEARTS AGAINST ISCHEMIA/REPERFUSION INJURY BY REGULATING PTEN-AKT SIGNALING (Invited Lecture)
A. Das , A. Samidurai, R.C. Kukreja
Virginia Commonwealth University, Pauley Heart Center, Richmond, VA, USA | 064 |
| 16:15 | COFFEE BREAK, VISIT EXHIBITION | |

PL05 CARDIAC ARRHYTHMIAS: CAUSES, SYMPTOMS, DIAGNOSIS AND TREATMENT

Chairs: **M.A. Alpert**, Columbia, MO, USA
D. Dobrev, Essen, Germany

Abstract No.

- | | | |
|-------|---|-----|
| 14:00 | OBESITY AND ATRIAL FIBRILLATION (Invited Lecture)
M.A. Alpert
University of Missouri School of Medicine, Columbia, MO, USA | 065 |
| 14:15 | PROARRHYTHMIC SUBCELLULAR SIGNALING IN ATRIAL FIBRILLATION:
ROLE OF CALCIUM DEPENDENT POTASSIUM CHANNELS (Invited Lecture)
D. Dobrev
University Duisberg-Essen, Essen, Germany | 066 |
| 14:30 | TOWARDS A COMPLETE TRUE HYBRID TREATMENT OF ATRIAL
FIBRILLATION (Invited Lecture)
S. Gelsomino
CARIM Scholl for Cardiovascular Diseases, University of Maastricht, Maastricht,
The Netherlands | 067 |
| 14:45 | MANAGEMENT OF ATRIAL FIBRILLATION IN THE ELDERLY PATIENT
(Invited Lecture)
A. Kumar , V. Mohan
Adarsh Heart and Super Specialty Hospital, Amristar, India | 068 |
| 15:00 | UNUSUAL ARRHYTHMIC CAUSES OF SYNCOPE (Invited Lecture)
H.P. Paydak
University of Arkansas for Medical Science, Little Rock, AR, USA | 069 |
| 15:15 | VALIDATION OF THE INDICATION FOR IMPLANTABLE CARDIOVERTER
DEFIBRILLATOR IN BRUGADA SYNDROME IN THE J WAVE
SYNDROMES CONSENSUS CONFERENCE (Invited Lecture)
M. Takagi
Kansai Medical University Medical Center, Moriguchi, Japan | 070 |
| 15:30 | DANTROLENE, A RYANODINE RECEPTOR STABILIZER, REDUCES
ATRIAL FIBRILLATION IN HEART FAILURE (Invited Lecture)
C. Nofj, K. Zhang, Y.-D. Tang, Y. Li, A. Migiroy, K. Ojamaa, A. Gerdes, Y. Zhang
New York Institute of Technology College of Osteopathic Medicine, Old Westbury,
NY, USA | 071 |

FRIDAY, JULY 27, 2018

14:00 – 16:45

HALL B

PL05 CARDIAC ARRHYTHMIAS: CAUSES, SYMPTOMS, DIAGNOSIS AND TREATMENT (continued)

Abstract No.

- 15:45 RADIOFREQUENCY ABLATIVE MODIFICATION OF THE AV NODE FOR THE TREATMENT OF ATRIAL FIBRILLATION: EXPLORING THE VALUE OF AN OLD TECHNIQUE (Invited Lecture) **072**
J. Gimbel
Columbia-St. Mary's Hospital System-Ascension, Milwaukee, WI, USA
- 16:00 UP-TO-DATE MANAGEMENT OF ATRIAL TACHYARRHYTHMIAS IN ADULT CONGENITAL HEART DISEASE (Invited Lecture) **073**
A. Kamp
Nationwide Children's Hospital and The Ohio State University, Columbus, OH, USA
- 16:15 HIS BUNDLE PACING
A. Deshmukh, Mayo Clinic, Rochester, MN, USA
- 16:30 THE RISK PREDICTORS OF COMPLICATIONS OF PULMONARY VEIN ISOLATION (Invited Lecture) **074**
T.J. Matsubara, K. Fujiu, G. Oguri, E. Hasumi, T. Kojima, I. Komuro
The University of Tokyo, Tokyo, Japan
- 16:45 COFFEE BREAK, VISIT EXHIBITION

PL06 Plenary Session
AORTIC ANEURYSM AND PERIPHERAL ARTERIAL DISEASE:
BASIC AND CLINICAL STUDIES

Chairs: **J.A. Elefteriades**, New Haven, CT, USA
S.D. Gertz, Jerusalem, Israel

Abstract No.

14:00	INSIGHT INTO POLYVASCULAR DISEASE (Invited Lecture) T. Tomaru , T. Matsubara, E. Matsubara Heisei Yokohama Hospital, Yokohama, Japan	075
14:15	GENETICS OF THORACIC AORTIC ANEURYSM 2018 (Invited Lecture) J.A. Elefteriades Yale University School of Medicine, Aortic Institute at Yale-New Haven, New Haven, CT, USA	076
14:30	ADIPOCYTES PROMOTE IL18 BINDING TO ITS RECEPTORS DURING ABDOMINAL AORTIC ANEURYSM FORMATION IN MICE (Invited Lecture) G.-P. Shi , Brigham and Women's Hospital, Boston, MA, USA	077
14:45	POTENTIAL MOLECULAR TARGETS FOR PREVENTION OF PROGRESSION OF ABDOMINAL AORTIC ANEURYSM (Invited Lecture) L. Gavish, R. Beerli, D. Gilon, C. Rubinstein, G. Elberg, S.D. Gertz The Hebrew University of Jerusalem, Jerusalem, Israel	078
15:00	SEX DIFFERENCES IN PERIPHERAL ARTERIAL DISEASE: DIAGNOSIS, SYMPTOMS AND TREATMENT (Invited Lecture) J. Regensteiner University of Colorado, School of Medicine, Aurora, CO, USA	079
15:15	ANTIPLATELET THERAPY FOR PERIPHERAL INTERVENTIONS: AN UPDATE FOR 2018 (Invited Lecture) R. Khouzam , M. Ibrahim University of Tennessee Health Science Center, Memphis, TN, USA	080
15:30	DOAC IN CANCER PATIENTS: VENOUS THROMBOEMBOLISM AND ATRIAL FIBRILLATION (Invited Lecture) N. Maurea Istituto Nazionale Tumori, IRCCS, Fondazione G. Pascale, Naples, Italy	081
15:45	CURRENT STATUS OF PATHOPHYSIOLOGY AND THERAPY OF PERIPHERAL ARTERY DISEASE (Invited Lecture) S. Bhullar , N.S. Dhalla St. Boniface Hospital, University of Manitoba, Winnipeg, MB, Canada	082
16:00	FILTERING THE EVIDENCE: UPDATES ON IVC FILTERS (Invited Lecture) B. Bikdeli , Columbia University Medical Center, New York, NY, USA	083
16:15	COFFEE BREAK, VISIT EXHIBITION	

S21

Session

**MOLECULAR CARDIOLOGY, VASCULAR BIOLOGY AND REGENERATIVE MEDICINE
IN CARDIOVASCULAR DISEASE**

Chairs: **A.M. Gerdes**, Old Westbury, NY, USA
G-P. Shi, Boston, MA, USA

Abstract No.

16:45	<p>Na⁺-H⁺ EXCHANGER 1 DEFICIENCY PROTECTS ANGIOTENSIN II-INDUCED ABDOMINAL AORTIC ANEURYSM IN APOLIPOPROTEIN E-DEFICIENT MICE C.-L. Liu, G. Sukhova, P. Libby, G.-P. Shi Brigham and Women's Hospital, Boston, MA, USA</p>	084
17:00	<p>THE EFFECT OF HYPOXIA PRE-TREATMENT ON STEM CELL BIOLOGY V. Ramaswamy, F. Franchi, K.M. Peterson, R. Paulmurugan, M.G. Rodriguez-Porcel Mayo Clinic, Rochester, MN, USA</p>	085
17:15	<p>ATTENUATION OF ENDOPLASMIC RETICULUM STRESS BY 4-PHENYLBUTYRIC ACID PROMOTES THE FUNCTIONAL SURVIVAL AND THERAPEUTIC EFFICACY OF BONE MARROW-DERIVED MESENCHYMAL STEM CELLS FOR HEART REPAIR D. Han, J.-W. Chen, F. Cao, Chinese PLA General Hospital, Beijing China</p>	086
17:30	<p>AN INSIGHT INTO THE ROLE OF EXTRACELLULAR MATRIX IN DETERMINING THE SITE OF AORTIC ANEURYSM, TAA VERSUS AAA Z. Kassiri, University of Alberta, Edmonton, AB, Canada</p>	087
17:45	<p>IMPORTANCE OF THE MYOCARDIAL MICROENVIRONMENT IN THE BIOLOGY TRANSPLANTED MESENCHYMAL STEM CELLS F. Franchi, V. Ramaswamy, K.M. Peterson, P. Ramasamy, M.G. Rodriguez-Porcel Mayo Clinic, Rochester, MN, USA</p>	088
18:00	<p>CRUCIAL ROLE OF PI3-KINASE GAMMA IN VASCULAR SMOOTH MUSCLE CELL PROLIFERATION AND NEOINTIMA FORMATION BY REGULATING Skp2 AND p27(kip1) J. Li, S. Liu, M. Wang, R. Jin, Hershey High School, Hershey, PA, USA</p>	089
18:15	<p>CARDIAC TARGETING PEPTIDE: STUDIES INTO MECHANISM OF TRANSDUCTION K. Feldman, T. Feinstein, M. Zahid, University of Pittsburgh, Pittsburgh, PA, USA</p>	090
18:30	<p>SLC3A2 IS A NOVEL ER STRESS-RELATED SIGNALING PROTEIN THAT REGULATES BOTH UPR AND APOPTOSIS IN CARDIOMYOCYTES C. Liu, X. Li, C. Li, Y. Tian, K. He Translational Medicine, Beijing, China</p>	091
18:45	<p>CALCIUM CHANNEL BLOCKERS: A MULTIPURPOSE APPROACH N. Motayagheni, A. Atala Wake Forest University, Winston Salem, NC, USA</p>	092

S22

Session

HYPERTENSION, LIPIDS, DIABETES MELLITUS AND CARDIOVASCULAR DISEASE – FROM BENCH TO BEDSIDE

Chairs: **C. Chen**, Houston, TX, USA
C. Rosendorff, Bronx, NY, USA

Abstract No.

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|-------|--|-----|
| 16:45 | <p>FUNCTIONAL INACTIVATION OF MAST CELL ENHANCES SUBCUTANEOUS ADIPOSE TISSUE BROWNING THROUGH SEROTONIN IN MICE</p> <p>X. Zhang, X. Wang, J. Liu, G.-P. Shi
 Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA</p> | 093 |
| 17:00 | <p>CARDIOVASCULAR OUTCOMES OF AMLODIPINE-BASED COMBINATION THERAPIES IN HIGH-RISK HYPERTENSIVE PATIENTS</p> <p>P.P. Lu, X. Meng, A.H. Hu, W. Wang, L.Y. Ma, Y.Q. Zhang, X.Z. Zhang, L.H. Ma, L.S. Liu, X.L. Zhou
 Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China</p> | 094 |
| 17:15 | <p>SEASONAL VARIATIONS IN BLOOD PRESSURE, NEUTROPHIL-LYMPHOCYTE RATIO AND WHITE BLOOD CELL COUNT IN A LARGE POPULATION OF PATIENTS WITH END STAGE RENAL DISEASE</p> <p>A. Long, Z. Turner, J. Larkin, M. Reviriego-Mendoza, L. Usvyat, Y. Wang, P. Kotanko, F.W. Maddux
 Fresenius Medical Care North America, Waltham, MA, USA</p> | 095 |
| 17:30 | <p>DIRECT VERSUS CALCULATED LDL CHOLESTEROL AND C REACTIVE PROTEIN IN CARDIOVASCULAR DISEASE RISK ASSESSMENT IN THE FRAMINGHAM OFFSPRING STUDY</p> <p>H. Ikezaki, V.A. Fisher, C.-T. Liu, K. Nakajima, B.F. Asztalos, N. Furusyo, J. Hayashi, L. Cupples, E.J. Schaefer
 HNRCA at Tufts University, Boston, MA, USA</p> | 096 |
| 17:45 | <p>ADIPOSE TISSUE SURFACE-EXPRESSION OF LDLR AND CD36; LINK TO RISK FACTORS FOR TYPE 2 DIABETES IN NORMOCHOLESTEROLEMIC SUBJECTS</p> <p>S. Bissonnette, Y. Cyr, V. Lamantia, V. Provost, G. Maye, M. Chretien, M. Faraj
 University of Montréal/ Clinical Research Institute of Montréal (IRCM), Montréal, QC, Canada</p> | 097 |
| 18:00 | <p>PESSIMISTIC OUTLOOK IN ADOLESCENCE INCREASES RISK FOR OBESITY AND HYPERTENSION IN EARLY ADULTHOOD</p> <p>K. Anand, S. Rajendran, S. Srinivas, A. Chockalingam
 University of Missouri, Columbia, MO, USA</p> | 098 |



S22

Session

HYPERTENSION, LIPIDS, DIABETES MELLITUS AND CARDIOVASCULAR DISEASE – FROM BENCH TO BEDSIDE (continued)

Abstract No.

18:15	COMBINED TREATMENT BY LIPID-LOWERING DRUGS IN ACUTE LIPEMIA IN MICE T.A. Korolenko , M.M. Gevorgyan, N.P. Voronina, G.S. Russkikh, T.P. Korolenko, E. Machova Institute of Physiology and Basic Medicine, Novosibirsk, Russian Federation	099
18:30	SPATIAL VARIATION ON PREVALENCE OF HYPERTENSION IN CHINA: RESULTS FROM CHINA HYPERTENSION SURVEY, 2012-2015 Z. Wang , L. Pei, L. Zhang, J. Wu, X. Wang, Z. Chen, Y. Dong, C. Zheng, Y. Kang, R. Gao National Center of Cardiovascular Disease, FU WAI Hospital PUMC & CAMS, Beijing, China	100
18:45	PREDICTORS OF CORONARY ARTERY DISEASE IN PATIENTS WITH HYPERTENSIVE EMERGENCY WITH ELEVATED CARDIAC BIOMARKERS M. Rodriguez Ziccardi, J. Penalver , S. Basharat, C. Nwakile Einstein Medical Center, Philadelphia, PA, USA	101
19:00	ROLE OF EPICARDIAL ADIPOSE TISSUE IN ATHEROSCLEROSIS ASSOCIATED WITH OBESITY M. Addula Creighton University, Omaha, NE, USA	102
19:15	TO COMPARE THE “REAL WORLD” EFFICACY OF PROPROTEIN CONVERTASE SUBTILISIN-KEXIN TYPE 9 (PCSK-9) INHIBITORS ALIROCUMAB VERSUS EVOLOCUMAB ON LDL LOWERING IN PATIENTS PRESENTING WITH DYSLIPIDEMIA: A SINGLE CENTER EXPERIENCE S. Banga , S. Pendyala, T.J. Kizhakekuttu OSF Saint Francis Medical Center, University of Illinois College of Medicine at Peoria, Peoria, IL, USA	103

S23

Session

ADVANCES IN CARDIAC SURGERY: CONGENITAL HEART DISEASE / CORONARY REVASCULARIZATION / MECHANICAL CIRCULATORY SUPPORT / HEART TRANSPLANTATION

Chairs: **A. Lorber**, Haifa, Israel
M.R. Movahed, Scottsdale, AZ, USA

Abstract No.

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|-------|---|-----|
| 16:45 | INITIAL INTRAVASCULAR ULTRASOUND IN THE EVALUATION OF CARDIAC TRANSPLANT VASCULOPATHY WITHOUT A ROUTINE EARLY BASELINE STUDY HAS PROGNOSTIC VALUE
R. Arsanjani, M. Hashemzadeh, M.R. Movahed
Mayo Clinic, Scottsdale, AZ, USA | 104 |
| 17:00 | A PROSPECTIVE COHORT STUDY OF RIGHT VENTRICULAR NORMALIZATION AFTER PULMONARY VALVE REPLACEMENT IN ASYMPTOMATIC PATIENTS WITH MODERATE OR GREATER PULMONARY REGURGITATION AFTER REPAIRED TETRALOGY OF FALLOT
F. He , S. Li, Z. Feng
Fuwai Hospital, Beijing, China | 105 |
| 17:15 | PATIENTS' PREFERENCES FOR CORONARY BYPASS GRAFTING OR STAGED PERCUTANEOUS CORONARY INTERVENTION IN MULTI-VESSEL CORONARY ARTERY DISEASE
M.-A. Ohlow , A. Farah
Zentralklinik, Bad Berka, Germany | 106 |
| 17:30 | A PROPENSITY SCORE MATCHED STUDY OF ON PUMP AND OFF PUMP CORONARY ARTERY BYPASS SURGERY
Y. Toyoda , M.A.K. Kashem
Lewis Katz School of Medicine at Temple University, Philadelphia, PA, USA | 107 |
| 17:45 | MIDTERM COMPARISON OF ANNULOPLASTY RINGS IN ISOLATED MITRAL VALVE REGURGITATION
O. Altas , O. Yerlikhan, M. Ozgur, A. Karakoc, K. Kirali
Kosuyolu Heart Training and Research Hospital, Istanbul, Turkey | 108 |
| 18:00 | MISPLACED PACEMAKER LEAD DUE TO A PARTIAL ANOMALOUS PULMONARY VENOUS CONNECTION
B. Gheyath , R. Kaul, A. Aggarwal, M. Summers, M. Abdallah, D. Majdalany
Cleveland Clinic Foundation, Cleveland, OH, USA | 109 |
| 18:15 | INCIDENCE OF ACUTE CELLULAR REJECTION AFTER HEART TRANSPLANTATION AND ITS IMPACT ON ONE-YEAR SURVIVAL: A REPORT FROM TERTIARY CARE HOSPITAL IN THAILAND
C. Techorueangwiat , S. Siphumsukskul, P. Ongcharit, K. Thammanatsakul, W. Polsawat, S. Siwamogsatham, S. Puwanant, V. Benjacholamas, A. Ariyachaipanich
Chulalongkorn University, Bangkok, Thailand | 110 |



FRIDAY, JULY 27, 2018

16:45 – 19:15

Hall C

S23 Oral Session

ADVANCES IN CARDIAC SURGERY: CONGENITAL HEART DISEASE / CORONARY REVASCULARIZATION / MECHANICAL CIRCULATORY SUPPORT / HEART TRANSPLANTATION (continued)

Abstract No.

- | | | |
|-------|--|-----|
| 18:30 | SURGICAL TREATMENT OF PRIMARY BENIGN RIGHT VENTRICULAR TUMORS: A 10-YEAR SINGLE-CENTER STUDY
E. Qiao
Peking Union Medical College, Chinese Academy of Medical Sciences, Fuwai Hospital, Beijing, China | 111 |
| 18:45 | VASOACTIVE AGENT EXPOSURE PRIOR TO ACUTE MECHANICAL CIRCULATORY SUPPORT FOR CARDIOGENIC SHOCK IS ASSOCIATED WITH END ORGAN DYSFUNCTION AND MORTALITY
A. Razavi , K. Morine, M. Esposito, S. Annamalai, C. Davila, R. Pedicini, L. Jorde, K. Gobeil, J. Hernandez-Montfort, N. Kapur
Tufts Medical Center, Boston, MA, USA | 112 |
| 19:00 | ANOMALOUS CORONARIES IN CHILDREN PRESENT WITH GENDER DIFFERENCES DISSIMILAR TO ADULTS
B. Robinson , C. Baird, F. Pigula
Patients' Precision Clinic BR Health for You, LLC.; Children's Hospital Boston, Boston, MA, USA | 113 |

P201 ACUTE ISCHEMIC STROKE

Board No.		Abstract No.
1	<p>INFLAMMATORY CYTOKINES, IL-1 AND TNF-A, ARE CLUE FOR DETERMINING STROKE ETIOLOGY WITH THE SUSCEPTIBILITY VESSEL SIGN ON MRI</p> <p>H.-S. Kim, M.-S. Park, E.-H. Kim, J.-T. Park, W. Yoon Chonnam National University Med. School, Gwangju, Republic of Korea</p>	114
2	<p>CEREBRAL INFARCTION IS ASSOCIATED WITH MULTIPLE RISK FACTORS IN PATIENTS WITHOUT SEVERE CAROTID SCLEROSIS</p> <p>E. Matsubara, T. Matsubara, T. Tomaru Tokyo University Hospital, Tokyo, Japan</p>	115
3	<p>FINDING CLOSURE AFTER CRYPTOGENIC STROKE</p> <p>M. Patel, A. Goud, A. Patel, A. Mukherjee, P. Sethi, R. Pai University of California, Riverside, Alta Loma, CA, USA</p>	116

P202 PERIPHERAL ARTERY DISEASE AND AORTIC DISEASE

4	<p>RETAINED AORTIC MISSILE: A CASE OF A PARTIALLY EMBEDDED BULLET IN THE DESCENDING AORTA</p> <p>D. Hill, A. Einhorn Orlando Health, Orlando, FL, USA</p>	117
5	<p>A RARE CASE OF MYOCARDIAL ISCHEMIA CAUSED BY DESCENDING AORTA TO RIGHT INFERIOR PULMONARY ARTERY FISTULA</p> <p>T.-H. Wu, C.-J. Wu Veterans General Hospital- Kaohsiung, Taiwan, Kaohsiung, Taiwan</p>	118
6	<p>COMMERCIAL PERIPHERAL ARTERIAL DISEASE SCREENING OUTSIDE THE SCOPE OF ESTABLISHED GUIDELINES</p> <p>H. Hirzallah, A. Mallad, A. Amro, D. Kusmic, M. El-Hamdani Marshall University Joan C. Edwards School of Medicine., Huntington, WV, USA</p>	119
7	<p>USE OF OPTICAL COHERENCE TOMOGRAPHY IN TREATING A CHRONIC TOTAL OCCLUSION FROM A VIETNAM WAR INJURY</p> <p>B. Horn, J. George Einstein Medical Center, Philadelphia, PA, USA</p>	120

FRIDAY, JULY 27, 2018

13:30 – 18:30

Poster Hall

P203 HEART FAILURE: DIAGNOSIS AND MANAGEMENT

Board No.		Abstract No.
8	KIDNEY DYSFUNCTION IN PATIENTS RECEIVING PERCUTANEOUS LEFT VENTRICULAR ASSIST DEVICE H. Aboud, S. Sutchu , A. Kazory University of Florida, Gainesville, FL, USA	121
9	LEARNING NEEDS OF PATIENTS WITH DIASTOLIC HEART FAILURE J.-A. Ahn , J.-S. Park, P.-K. Min Ajou University, Suwon, Republic of Korea	122
10	FAMILIAL AMYLOID CARDIOMYOPATHY: A CASE SERIES A.C. Atanda, O. Atanda, E. Mbey , O. Omole, D. Ugwendum, T. Ogundipe, B. Curry, O. Akinboboye Howard University Hospital, Washington, DC, USA	123
11	FACTORS AFFECTING LENGTH OF STAY AND TIME TO READMISSION IN A RETROSPECTIVE HEART FAILURE READMISSION COHORT J. Aoun , S. Khare, M. Ghanim, G. Yesodharan, M. Afari, S. Hedge, L. Tsao Saint Elizabeth's Medical Center, Brighton, MA, USA	124
12	LUNG INFILTRATES IN A PATIENT ON BORTEZOMIB - NOT ALWAYS PNEUMONIA S. Basharat , M. Rodriguez Ziccardi, M. Bandres, A. Pop Albert Einstein Medical Center, Philadelphia, PA, USA	125
13	INHALED RACEMIC EPINEPHRINE AS A TRIGGER FOR TAKOTSUBO CARDIOMYOPATHY M. Ghanim , M. Almnajam, S. Khare, M.E. Afari, M. Khan Saint Elizabeth Medical Center, Brighton, MA, USA	126
14	PREMATURE MYOCARDIAL INFARCTION AS THE PRESENTING SIGN OF HYPERCOAGULABLE SYNDROME E.P. Hiltner , A. Alam, K. Patel, J. Xu, H. Doshi, D. James, D. Iyer, J. Almendral, K. Mody Rutgers-Robert Wood Johnson Medical School, New Brunswick, NJ, USA	127
15	STRESS CARDIOMYOPATHY: LOOK AT THE URINE! S.A. Raza , S. Haley, L. Hunter, F. Raza Methodist Health System- Dallas, Dallas, TX, USA	128
16	CANNABIS INDUCED BASAL-MID VENTRICULAR STRESS CARDIOMYOPATHY S.J. Meera , S. Vallabhaneni, R. Aurshiya, S. Pakniyat, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA	129
17	UTILIZATION OF BIOIMPEDANCE SPECTROSCOPY IN LIEU OF INVASIVE MONITORING FOR MONITORING FLUID OVERLOAD A.A. Accardi , J.T. Heywood Scripps Memorial Hospital, Encinitas, CA, USA	130

P204 DILATED CARDIOMYOPATHY

Board No		Abstract No.
18	<p>CLINICAL, ELECTROCARDIOGRAPHIC, ECHOCARDIOGRAPHIC PROFILE AND OUTCOMES OF ADULT PATIENTS WITH DILATED CARDIOMYOPATHY AT MAKATI MEDICAL CENTER: A SUBSET ANALYSIS OF THE PHILIPPINE HEART ASSOCIATION (PHA) CARDIOMYOPATHY REGISTRY</p> <p>M. Malivat, B. Alimurung, G. Lopez, V. Zarza-Geron Makati Medical Center, Makati City, Philippines</p>	131
19	<p>PERI-MYOCARDITIS IN A PATIENT WITH COINFECTION OF <i>MYCOPLASMA</i> AND <i>COXSACKIE B</i> LEADING TO DILATED CARDIOMYOPATHY</p> <p>D. Zakri, J. Saurez, Y. Braver Brandon Regional Hospital, Brandon, FL, USA</p>	132
20	<p>CHRONIC NASAL DECONGESTANT USE AND TACHYCARDIOMYOPATHY: A CASE REPORT</p> <p>J.R.F. Rocha, I.C. Pinheiro, M. Giannini, M.C. Caires, P.B. Villela, R.M. Ferreira, L.A. Salis, N.A. de Souza e Silva Edson Saad Heart Institute, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil</p>	133

P205 HYPERTROPHIC CARDIOMYOPATHY

21	<p>IMPACT OF CONTEMPORARY TREATMENT STRATEGIES ON PATIENTS WITH EXTREME HYPERTROPHIC CARDIOMYOPATHY PHENOTYPE</p> <p>M.D. Romashko, B.J. Maron, W. Wang, H. Rastegar, M.S. Maron, E.J. Rowin Tufts Medical Center, Boston, MA, USA</p>	134
22	<p>UNUSUAL CAUSES OF RESOLUTION OF LVOT OBSTRUCTION IN HYPERTROPHIC CARDIOMYOPATHY</p> <p>R. Aurshiya, S. Meera, S. Pakniyat, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA</p>	135
23	<p>MYOCARDIAL ISCHEMIA CAUSED BY SINGLE CORONARY ARTERY IN HYPERTROPHIC CARDIOMYOPATHY</p> <p>A. Sinha, R. Kumar, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA</p>	136
24	<p>MARKED REGRESSION OF LVH IN FAMILIAL HYPERTROPHIC CARDIOMYOPATHY FOLLOWING BARIATRIC SURGERY AND SUBSTANTIAL WEIGHT LOSS</p> <p>S. Meera, R. Aurshiya, S. Vallabhaneni, S. Pakniyat, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA</p>	137

FRIDAY, JULY 27, 2018

13:30 – 18:30

Poster Hall

P205 HYPERTROPHIC CARDIOMYOPATHY (continued)

Board No

Abstract No.

25 A CASE OF CONSTRICTIVE CARDIOMYOPATHY IN FAMILIAL AMYLOIDOSIS 138
R. Shah, J. Uribe, G. Velasquez, P. Taylor, Orlando Health, Orlando, FL, USA

26 PERSISTENT ST ELEVATION: HYPERTROPHIC CARDIOMYOPATHY RARELY DISCUSSED 139
M. Khattab, J.R. Martinez Parachini, A. Ul Haq, E. Mora Garzon, E.P. Ngo
University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA

P206 PERICARDIAL DISEASE

27 A PATIENT WITH A LARGE PERICARDIAL MASS 140
A. Sustar, D. Javoran, University Hospital Centre, Rijeka, Croatia

28 PERICARDIAL EFFUSION IN A NON-HIV PATIENT AS A HARBINGER FOR A RARE PRIMARY EFFUSION LYMPHOMA 141
S. Basharat, M. Rodriguez Ziccardi, M. Bandres, A. Pop
Albert Einstein Medical Center, Philadelphia, PA, USA

29 UNILATERAL PLEURAL EFFUSION: AN UNUSUAL PRESENTATION OF DRESSLER'S SYNDROME SECONDARY TO PCI 142
N. Shah, R. Pansare, Internal Medicine, St Mary Mercy Hospital, Livonia, MI, USA

P207 CARDIOVASCULAR DISEASE IN PATIENTS WITH CHRONIC KIDNEY DISEASE

30 THE ROLE OF SEMAPHORIN-3C (SEMA3C) IN INTERPLAY BETWEEN RENAL EPITHELIAL-ENDOTHELIAL CELLS DURING CYST DEVELOPMENT IN POLYCYSTIC KIDNEY DISEASE 143
J. Park, E. Lee, Sookmyung Women's University, Seoul, Republic of Korea

31 NEGATIVE MULTIPLICATION EFFECT OF KIDNEY DYSFUNCTION ON NON VALVULAR ATRIAL FIBRILLATION 144
M. Zeeshan, R. Ayinla, T. Ahmad
Penn State Hershey Medical Center, Hershey, PA, USA

32 RENAL ARTERY STENOSIS PRESENTED WITH SUDDEN FLASH PULMONARY EDEMA IN A PATIENT WITH SINGLE KIDNEY 145
J. Choi, Y. Kim
Uijeongbu St. Mary's Hospital, Gyeonggi-do, Republic of Korea

P208 EXERCISE PHYSIOLOGY, EXERCISE TESTING

33 EFFECTS OF A YOGA INTERVENTION IN REDUCING JOB STRESS AND CARDIOVASCULAR DISEASE RISK FACTORS 146
W.J. Hwang, J. Ha, J. Kim
Kyung Hee University, Seoul, Republic of Korea



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ANNUAL SCIENTIFIC SESSIONS 2018
23rd WORLD CONGRESS ON
HEART DISEASE

BOSTON, MA, USA, JULY 27 – 29, 2018

SCIENTIFIC
PROGRAM

Saturday, July 28, 2018

SCIENTIFIC PROGRAM



SATURDAY, JULY 28, 2018

08:30 – 11:00

Hall A

PL07

Plenary Session

CARDIOVASCULAR PROTECTION, REPAIR AND REGENERATION

Chairs: **N. Maulik**, Farmington, CT, USA

J.L. Mehta, Little Rock, AR, USA

Abstract No.

08:30	A NOVEL MECHANISM CONTROLLING SMOOTH MUSCLE PHENOTYPE AND VASCULAR REMODELING (Invited Lecture) Y.-C. Wang, X.-B. Cui, Y.-H. Chuang, S.-Y. Chen University of Georgia, Athens, GA, USA	147
08:45	microRNAs IN CARDIOVASCULAR REMODELING AND DISEASE (Invited Lecture) D.-Z. Wang , Boston Children's Hospital, Boston, MA, USA	148
09:00	MECHANISM OF CARDIOVASCULAR REMODELING IN HEART FAILURE (Invited Lecture) S.C. Tyagi , University of Louisville School of Medicine, Louisville, KY, USA	149
09:15	REGULATION OF ANGIOGENIC RESPONSE IN DIABETIC MYOCARDIUM (Invited Lecture) N. Maulik , University of Connecticut School of Medicine, Farmington, CT, USA	150
09:30	PCSK9 EXPRESSION IN THE ISCHEMIC HEART AND ITS RELATIONSHIP TO INFARCT SIZE AND CARDIAC FUNCTION (Invited Lecture) J.L. Mehta , Z. Ding University of Arkansas for Medical Science, Little Rock, AR, USA	151
09:45	CARDIAC CELL THERAPY: CUMULATIVE DATA AND NEW CONCEPTS (Invited Lecture) B. Dawn , University of Nevada, Las Vegas, NV, USA	152
10:00	MULTI-FACETED CONTRIBUTION OF TIMPs TO MYOCARDIAL REMODELING (Invited Lecture) Z. Kassiri , University of Alberta, Edmonton, AB, Canada	153
10:15	LONG-TERM EXERCISE-DERIVED EXOSOMAL MIRNAS AS NOVEL EXERKINES FOR CARDIOVASCULAR PROTECTION (Invited Lecture) J. Wu, Z. Hou, X. Qin, X. Zhang, F. Gao The Fourth Military Medical University, Xian, China	154
10:30	PREVENTION OF MYOCARDITIS/DCM USING REGENERATIVE MEDICINE THERAPY (Invited Lecture) D. Fairweather , K. Bruno, A. Hill, P. Stalboerger, L. Cooper, Jr., A. Behfar Mayo Clinic, Jacksonville, FL, USA	155
10:45	NATRIURETIC PEPTIDE RECEPTOR-C IMPROVES VASCULAR REMODELING IN SPONTANEOUSLY HYPERTENSIVE RATS (Invited Lecture) M.B. Anand-Srivastava , University of Montreal, Montreal, QC, Canada	156
11:00	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

PL08 Plenary Session
VALVULAR AND STRUCTURAL HEART DISEASE – ASSESSMENT AND NOVEL TREATMENTS

Chairs: **A.R. Opotowsky**, Boston, MA, USA
N.M. Rajamannan, Rochester, MN, USA

Abstract No.

- | | | |
|-------|--|-----|
| 08:30 | <p>FEMALE GENDER IS A PREDICTOR OF VASCULAR COMPLICATIONS IN PATIENTS UNDERGOING TRANS-CATHETER AORTIC VALVE REPLACEMENT FOR SYMPTOMATIC SEVERE AORTIC STENOSIS: A SINGLE CENTER EXPERIENCE</p> <p>R. Patel, S. Banga, J. Patel, M. Barzallo, S. Mungee
 University of Illinois College of Medicine-Peoria/OSF Healthcare, Bloomington, IL, USA</p> | 157 |
| 08:45 | <p>A NOVEL AUTOLOGOUS TISSUE-ENGINEERED HEART VALVE FOR TRANSCATHETER IMPLANTATION</p> <p>Y. Takewa, Y. Nakayama, J. Shimamura, E. Tatsumi
 National Cerebral and Cardiovascular Center, Osaka, Japan</p> | 158 |
| 09:00 | <p>THE EMERGING ROLE OF CIRCULATING AND URINARY BIOMARKERS IN THE ASSESSMENT OF ADULTS WITH CONGENITAL HEART DISEASE (Invited Lecture)</p> <p>A.R. Opotowsky
 Boston Children's and Brigham & Women's Hospitals, Boston, MA, USA</p> | 159 |
| 09:15 | <p>GENETICS OF VALVE DISEASES (Invited Lecture)</p> <p>R. Durst
 Hadassah Hebrew University Medical Center, Jerusalem, Israel</p> | 160 |
| 09:30 | <p>NHLBI WORKING GROUP RECOMMENDATIONS ON CALCIFIC AORTIC VALVE DISEASE: THE CHAIRMAN'S PERSPECTIVE (Invited Lecture)</p> <p>N.M. Rajamannan
 Mayo Clinic, Rochester, MN, and Most Sacred Heart of Jesus Cardiology and Valvular Institute, Sheboygan WI, Corvita, Chicago IL, USA</p> | 161 |
| 09:45 | <p>FRAILITY AND CLINICAL OUTCOMES OF TRANSCATHETER AORTIC VALVE REPLACEMENT (Invited Lecture)</p> <p>A. Cheema
 St. Michael's Hospital, Toronto, ON, Canada</p> | 162 |
| 10:00 | <p>AORTIC REGURGITATION; ASSESSMENT OF ETIOLOGY & SEVERITY: IS IT STILL A CHALLENGE? (Invited Lecture)</p> <p>H.P. Chaliki
 Mayo Clinic, Scottsdale, AZ, USA</p> | 163 |

SATURDAY, JULY 28, 2018

08:30 – 11:00

Hall B

PL08

Plenary Session

VALVULAR AND STRUCTURAL HEART DISEASE – ASSESSMENT AND NOVEL TREATMENTS (continued)

Abstract No.

- | | | |
|-------|--|-----|
| 10:15 | TRICUSPID REGURGITATION - CURRENT AND EMERGING THERAPIES (Invited Lecture)
S. Singh
Cedars-Sinai Heart Institute, Los Angeles, CA, USA | 164 |
| 10:30 | NON-INVASIVE DIAGNOSTIC DILEMMA FOR LOW FLOW LOW GRADIENT AORTIC STENOSIS (Invited Lecture)
S. Rasla
St Vincent Hospital, Boston, MA, USA | 165 |
| 10:45 | PRE-TAVR HYPERBILIRUBINEMIA ASSOCIATED WITH POST-TAVR IN-HOSPITAL MORTALITY
S. Jou, H. Patel, H. Oglat, R. Zhang, L. Zhang, A. Nappi, M. Torosoff
Albany Medical College, Albany, NY, USA | 166 |
| 11:00 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

S24

Session

CARDIOVASCULAR IMAGING MODALITIES FOR EVALUATION OF CORONARY CIRCULATION, CARDIAC STRUCTURE AND FUNCTION

Chairs: **T. Akasaka**, Wakayama, Japan
T.H. Schindler, Baltimore, MD, USA

Abstract No.

- | | | |
|-------|---|-----|
| 08:30 | AN ASSOCIATION BETWEEN RENAL FUNCTION ONE YEAR AFTER KIDNEY TRANSPLANT AND INCIDENTAL PERICARDIAL EFFUSION
J. Muste , E. Pashkovetsky, S. Wang, R. Lopez-Soler, D. Conti, M. Torosoff, R. Lyubarova
Albany Medical College, Albany, NY, USA | 167 |
| 08:45 | PARADOXICAL SINUS DECELERATIONS DURING DOBUTAMINE STRESS TESTING
S. Vallabhaneni , R. Aurshiya, S. Agrawal, L. Stone, R. Silmi, S. Pakniyat, S. Nanda, J. Shirani
St Luke's University Health Network, Bethlehem, PA, USA | 168 |
| 09:00 | PEDIATRIC PATIENTS HAVE PRESERVED LEFT VENTRICULAR LONGITUDINAL STRAIN EARLY AFTER HEMATOPOIETIC STEM CELL TRANSPLANTATION DESPITE EXPOSURE TO CARDIOTOXIC AGENTS
N. Ray Chaudhuri , C. Ebens, A. Sanchez Mejia
University of Minnesota, Saint Paul, MN, USA | 169 |
| 09:15 | COMPARISON OF THE 2009 AND 2016 AMERICAN SOCIETY OF ECHOCARDIOGRAPHY(ASE) GUIDELINES FOR DIASTOLOGY ASSESSMENT
S.M. Hussain, B.J. Hachey, C. Ahmed, A. Altamiranoufion , S. Danciu
Advocate Illinois Masonic Medical Center, Chicago, IL, USA | 170 |
| 09:30 | NONINVASIVE ASSESSMENT OF CENTRAL VENOUS PRESSURE USING CONTINUOUS FLOW FROM THE INFERIOR VENA CAVA INTO RIGHT ATRIUM
R. Ranjan, E.J. Friend , V. Figuredo, G.S. Pressman, N. Schiller
Einstein Healthcare Network, Philadelphia, PA, USA | 171 |
| 09:45 | PREVALENCE AND THE DETERMINANTS OF A-WAVE DOMINANT PATTERN IN PATIENTS WITH SEVERE MITRAL REGURGITATION
K.R. Kolla, N. Qureshi , H.P. Chaliki
Mayo Clinic, Scottsdale, AZ, USA | 172 |
| 10:00 | USE OF CONTRAST AGENTS TO ENHANCE IMAGE QUALITY IN 2 D ECHOCARDIOGRAPHY FOR STRAIN ANALYSIS
I. Baig , S. Nanavaty, A. Sothwal, A. Alsaïd, T. Bauch
University, Geisinger Medical Center, Danville, PA, USA | 173 |
| 10:15 | ADVANCES IN MULTIMODALITY CARDIOVASCULAR IMAGING OF PERICARDIAL CONDITIONS (Invited Lecture)
B. Xu , S.C. Harb, A.L. Klein
Cleveland Clinic, Cleveland, OH, USA | 174 |

SATURDAY, JULY 28, 2018

08:30 – 10:45

Hall C

S24

Session

CARDIOVASCULAR IMAGING MODALITIES FOR EVALUATION OF CORONARY CIRCULATION, CARDIAC STRUCTURE AND FUNCTION (continued)

Abstract No.

- 10:30 RIGHT VENTRICULAR DYSFUNCTION DIFFERS IN PATIENTS WITH IDIOPATHIC PULMONARY HYPERTENSION VS SECONDARY PULMONARY HYPERTENSION 175
S. Emami, N. Samiei, A. Amin, S. Taghavi, M. Parsaei, N. Naderi, A. Serati, **M. Movahed**
CareMore and University of Arizona, Tucson, AZ, USA
- 10:45 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

11:15 – 13:15

Hall A

PL09

Plenary Session

HYPERTENSION, OBESITY, DIABETES MELLITUS AND CARDIOVASCULAR DISEASE, PREVENTION, RISK REDUCTION AND TREATMENT

Chairs: **W.S. Aronow**, Valhalla, NY, USA
J.S. Borer, New York, NY, USA

- 11:15 FROM THE 2017 ACC/AHA HYPERTENSION GUIDELINES (Invited Lecture) 176
W.S. Aronow
Westchester Medical Center/New York Medical College, Valhalla, NY, USA
- 11:30 NON-STEROIDAL ANTI-INFLAMMATORY DRUGS (NSAIDS): 177
CARDIOVASCULAR EVENTS ARE RELATED PRIMARILY TO IMPACT OF NSAIDS ON BLOOD PRESSURE RATHER THAN TO COX SELECTIVITY
(Invited Lecture)
J.S. Borer, F. PRECISION Trial Executive Committee
SUNY Downstate, New York, NY, USA
- 11:45 LEFT VENTRICULAR HYPERTROPHY AND HEART FAILURE IN 178
HYPERTENSION - MOLECULAR AND CELLULAR MECHANISMS
(Invited Lecture)
C. Rosendorff
Mount Sinai Heart, Icahn School of Medicine, and the James J. Peters VA Medical Center, New York, NY, USA

PL09 Plenary Session**HYPERTENSION, OBESITY, DIABETES MELLITUS AND CARDIOVASCULAR DISEASE, PREVENTION, RISK REDUCTION AND TREATMENT (continued)**

		Abstract No.
12:00	ROLE OF THE NOVEL ADIPOKINE IN CARDIOVASCULAR DISEASE (Invited Lecture) N. Ouchi Nagoya University Graduate School of Medicine, Nagoya, Japan	179
12:15	DOES CARDIORESPIRATORY FITNESS MODULATE THE INCIDENCE OF TYPE 2 DIABETES IN PATIENTS ON STATIN THERAPY (Invited Lecture) P. Kokkinos Veterans Affairs Medical Center and Georgetown University School of Medicine, Washington, DC, USA	180
12:30	MANAGEMENT OF METABOLIC SYNDROME AND ATHEROSCLEROSIS IN MULTIPLE MOUSE MODELS OF HUMAN TYPE II DIABETES AND HEART DISEASE (Invited Lecture) S.B. Chatterjee Johns Hopkins University, Baltimore, MD, USA	182
12:45	CARDIOVASCULAR ACTIVATION DURING SOCIALLY EVALUATED COLD- PRESSOR TEST IS ASSOCIATED WITH CHANGES IN IMMUNE FUNCTION BUT NOT WITH ACTIVATION OF STEROID STRESS HORMONES (Invited Lecture) D. Jezova , K. Buzgoova, L. Balagova, D. Kapsdorfer, M. Marko, I. Riečanský Biomedical Research Center, Slovak Academy of Sciences, Bratislava, Slovakia	183
13:00	PERINODAL ADIPOSE TISSUE PARTICIPATES IN IMMUNE PROTECTION THROUGH A LYMPHATIC VESSEL-INDEPENDENT ROUTE (Invited Lecture) S. Liao University of Calgary, Calgary, AB, Canada	184
13:15	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

SATURDAY, JULY 28, 2018

11:15 – 13:30

Hall B

PL10

Plenary Session

INTERVENTIONAL CARDIOLOGY AND CARDIAC SURGERY: CURRENT STATUS AND FUTURE DIRECTIONS

Chairs: **D.L. Bhatt**, Boston, MA, USA
B.F. Uretsky, Little Rock, AR, USA

Abstract No.

- | | | |
|-------|---|-----|
| 11:15 | EXPANDED USES OF INVASIVE PHYSIOLOGICAL TESTING FOR CLINICAL DECISION- MAKING IN CAD PATIENTS (Invited Lecture)
B.F. Uretsky , University of Arkansas for Medical Sciences, Little Rock, AR, USA | 185 |
| 11:30 | MYCOBACTERIUM CHIMAERA IN CARDIAC SURGERY (Invited Lecture)
L.P. Perrault , J. Tardif, P. Pagé, P. Demers, D. Roy
Montreal Heart Institute, Montreal, QC, Canada | 186 |
| 11:45 | OCT-GUIDED PCI: PRESENT STATUS AND FUTURE PERSPECTIVES (Invited Lecture)
T. Akasaka , Wakayama Medical University, Wakayama, Japan | 188 |
| 12:00 | DIFFERENT MODULATION OF MIRNA BY CLOPIDOGREL AND TICAGRELOR IN PATIENTS WITH NSTEMI (Invited Lecture)
L. Biasucci , C. Mandolini, M.C. Grimaldi, G. Larosa
Catholic University of Rome, Rome, Italy | 189 |
| 12:15 | THE RATIONALE FOR PERCUTANEOUS MECHANICAL CIRCULATORY SUPPORT IN CARDIOGENIC SHOCK AND PROTECTED PCI (Invited Lecture)
R. Sachdeva , Morehouse School of Medicine, Atlanta, GA, USA | 190 |
| 12:30 | CLINICAL FEASIBILITY OF A FULLY AUTOMATED 3D RECONSTRUCTION OF ROTATIONAL CORONARY X-RAY ANGIOGRAMS (Invited Lecture)
J.A. Garcia Fernandez , Orlando Health, Orlando, FL, USA | 191 |
| 12:45 | THE DISTAL LEFT RADIAL ARTERY ACCESS FOR CORONARY ANGIOGRAPHY AND INTERVENTION: A NEW ERA (Invited Lecture)
A. Lotfi , Medical Center, Springfield, MA, and Baystate Medical Center, Springfield, MA, USA | 192 |
| 13:00 | DEVELOPMENT OF A NOVEL AUTOLOGOUS HEART VALVE
Y. Takewa , Y. Nakayama, J. Shimamura, E. Tatsumi
National Cerebral and Cardiovascular Center, Osaka, Japan | 193 |
| 13:15 | A NOVEL CONCEPT IN REPAIR OF TETRALOGY OF FALLOT: PULMONARY ANNULUS Z-SCORE MAY NOT BE THE DETERMINANT FOR TRANSANNULAR PATCH ENLARGEMENT
X. Jiang , Q. Wang, Peking Union Medical College, Fuwai Hospital, National Center for Cardiovascular Diseases and Chinese Academy of Medical Sciences, Beijing, China | 194 |
| 13:30 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION | |

S25 CELLULAR, MOLECULAR AND GENETIC MECHANISMS OF CARDIOVASCULAR DISEASE

Chairs: **D.P. Ramji**, Cardiff, UK
S. Schaefer, Davis, CA, USA

Abstract No.

- | | | |
|-------|--|-----|
| 11:15 | CONGENITAL HEART ABNORMALITIES ASSOCIATED WITH LOSS OF FUNCTION FILAMIN A GENE MUTATIONS
M. Chen , M. Hirata, C. Walsh, S. Choudhury
Boston Children's Hospital, Boston, MA, Boston, MA, USA | 195 |
| 11:30 | POLYGENIC RISK FOR DEPRESSION INCREASES RISK FOR ISCHEMIC STROKE: FROM THE STROKE GENETICS NETWORK (SIGN) STUDY
S. Wassertheil-Smoller
Albert Einstein College of Medicine, New York, NY, USA | 196 |
| 11:45 | MITOPHAGY PLAYS A PROTECTIVE ROLE IN THE DIABETIC MOUSE HEART
F. Zhao , S. Kobayashi, T. Kobayashi, Y. Huang, Y. Zhang, Q. Liang
New York Institute of Technology, New York, NY, USA | 197 |
| 12:00 | EXOME SEQUENCING AND FUNCTIONAL ANALYSIS FOR PATIENTS WITH EARLY ONSET CARDIAC CONDUCTION-SYSTEM DISEASES
K. Hayashi , A. Nomura, Y. Asano, M. Beerens, Y. Kurata, N. Fujino, H. Tada, C. MacRae, S. Takashima, M. Yamagishi
Kanazawa University Graduate School of Medicine, Kanazawa, Japan | 198 |
| 12:15 | AGE-RELATED DOWNREGULATION OF SIRT6/NRF2 SIGNAL CONTRIBUTES TO THE DECREASED HEART ISCHEMIC TOLERANCE IN OLDER MICE
D. Han , J.-W. Chen, F. Cao, Chinese PLA General Hospital, Beijing, China | 199 |
| 12:30 | EXOGENOUS GDF11 PROTECTS AGAINST MYOCARDIAL ISCHEMIA-REPERFUSION INJURY VIA ATTENUATION OF TGF- β SIGNALING PATHWAY
H. Su , J.-C. Yen, S.-S. Huang, National Yang-Ming University, Taipei, Taiwan | 200 |
| 12:45 | SUBPROTEOMIC ANALYSIS OF CARDIOMYOPATHIC CHANGES IN X-LINKED MUSCULAR DYSTROPHY
S. Murphy, M. Zweyer, R.R. Mundegar, D. Swandulla, K. Ohlendieck
Maynooth University, Maynooth, Ireland | 201 |
| 13:00 | ALLICIN DISRUPTS CARDIAC CAV1.2 CHANNELS VIA TRAFFICKING
D. Han , J. Sun, X. Sun, P. Liu, Y. Liu
The First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China | 202 |
| 13:15 | A NOVEL CACNA1C MUTATION IN A CHINESE FAMILY WITH BRUGADA SYNDROME
M. Cao , D. Han, C. Sun, J. Wu, J. Sun, G. Li
The First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China | 203 |
| 13:30 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION | |

P301 NON-INVASIVE CARDIAC IMAGING, NUCLEAR CARDIOLOGY AND ECHOCARDIOGRAPHY

Board No.		Abstract No.
1	<p>POINT-OF-CARE ULTRASOUND IN CARDIAC ARREST: A REVIEW OF THE ASSESSMENT OF CARDIAC MOTION IN THE SETTING OF CARDIAC ARREST W. Ciozda, A. Kimchi, I. Kedan David Geffen School of Medicine at UCLA, Los Angeles, CA, USA</p>	204
2	<p>THREE-DIMENSIONAL SPECKLE TRACKING ECHOCARDIOGRAPHIC EVALUATION OF BIVENTRICULAR FUNCTION IN ADOLESCENTS AND YOUNG ADULTS WITH HUMAN IMMUNODEFICIENCY VIRUS INFECTION ACQUIRED IN EARLY LIFE L. Capotosto, G. D'Ettore, N. Cavallari, C. Ajassa, M. Ciardi, G. Placanica, V. Vullo, C. Gaudio, A. Vitarelli Sapienza University, Cardiology and Infectious Diseases Depts, Rome, Italy</p>	205
3	<p>UTILIZATION OF ECHOCARDIOGRAPHY IN PULMONARY EMBOLISM: A GROUND REALITY H. Lodhi, M. Waqas, M. Khan, H. Shafiq, I. Achebe, A. Shafiq Baptist Memorial Medical Group, Southaven, MS, USA</p>	206
4	<p>THREE-DIMENSIONAL SPECKLE-TRACKING ECHOCARDIOGRAPHIC ASSESSMENT OF RIGHT VENTRICULAR FUNCTION IN OBSTRUCTIVE SLEEP APNEA - EFFECTS OF CPAP THERAPY L. Capotosto, E. Mangieri, M. Pergolini, M. Saponara, C. Gaudio, A. Vitarelli Sapienza University, Rome, Italy</p>	207
5	<p>ECHOCONTRAST INDUCED ANGIOEDEMA R. Samannan, M.A. Arif, U. Bhatti, E. Munzinger, S. Mathew University of Oklahoma, Oklahoma City, OK, USA</p>	208
6	<p>VASODILATOR STRESS TESTING WITH NUCLEAR PERFUSION IMAGING: A POOR MODALITY FOR EVALUATION OF CORONARY ARTERY DISEASE IN PATIENTS WITH LEFT BUNDLE BRANCH BLOCK K. Gu, A. Kaneria, N. Parikh, P. Sharedalal, S. Cho Drexel University College of Medicine, Philadelphia, PA, USA</p>	209
7	<p>AN UNEXPECTED ECHOCARDIOGRAPHIC FINDING: RIGHT CORONARY ARTERY TO RIGHT ATRIAL FISTULA J.R. Martinez-Parachini, M. Khattab, D. Gilada, I. Javed, L. Size, P. Lozano University of Oklahoma HSC, Oklahoma City, OK, USA</p>	210
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9	<p>LOEY DIETZ SYNDROME AS A RARE CAUSE OF CORONARY ANEURYSMS O. Aqtash, Y. Jawaid, A. Amro, K. Mansoor, L. Dial Marshall University, Huntington, WV, USA Dartmouth Hitchcock Medical Center, Lebanon, NH, USA</p>	212

**P302 PRIMARY PREVENTION OF CARDIOVASCULAR DISEASE:
ASSESSMENT AND MANAGEMENT OF RISK FACTORS, LIFESTYLE CHANGES**

Board No.		Abstract No.
10	HEALTHY LIFESTYLE FACTORS AND RISK OF ABDOMINAL AORTIC ANEURYSM IN THE PHYSICIANS' HEALTH STUDY R. Singh, V. Bodar , J. Chen, L. Wang, H.D. Sesso, J.M. Gaziano, L. Djousse Brigham & Women's Hospital, Boston, MA, USA	213
11	TARGETED SCREENING OF THE ASSOCIATIONS BETWEEN CANDIDATE GENES AND ALCOHOL CONSUMPTION IN A HIGH CARDIOVASCULAR RISK POPULATION O. Coltell , E.M. Asensio, J.V. Sorlí, J.I. Gonzalez, J.B. Ramírez-Sabio, D. Corella Universitat Jaume I, Castellon, Spain	214
12	COMPARISON BETWEEN STRICT CONTROL OF RISK FACTORS AND STANDARD CONTROL IN PREVENTION OF ARTERIOSCLEROSIS T.J. Matsubara , E. Matsubara, J. Suzuki, T. Tomaru The University of Tokyo, Tokyo, Japan	215
13	IMPROVING THE CARDIOVASCULAR HEALTH OF PRESCHOOLERS IN A CHILDCARE SETTING R. Natale University of Miami School of Medicine, Miami, FL, USA	216
14	CAFFEINE INDUCED MYOCARDIAL INFARCTION A.C. Atanda, E. Mbey , F. Ogundipe, D. Ugwendum, S. Folaranmi, V. Mallipeddi, J. Henry, B. Curry Howard University Hospital, Washington, DC, USA	217

P303 STABLE ISCHEMIC HEART DISEASE

15	PREDICTORS OF IN-HOSPITAL MORTALITY AMONG SYSTEMIC LUPUS ERYTHEMATOUS PATIENTS WITH ACUTE MYOCARDIAL INFARCTION RESULTS FROM A LARGE NATIONAL DATABASE O. Ola , O. Olorunfemi, A. Akinlonu, T.O. Mene-Afejuku, R. Ojo, O. Akinboro Mayo Clinic Health System, LaCrosse, WI, USA	218
16	COLON CANCER LATERALITY IS ASSOCIATED WITH ATHEROSCLEROSIS AND CORONARY ARTERY DISEASE S.C. Wang, J. Schulman-Marcus, J. Fantauzzi, T. Bevington, A. Sayegh, R. Alreshq , E. Lee, A. Ata, M. Sidhu, M. Kambam, R. Lyubarova Albany Medical Center, Albany, NY, USA	219
17	RISK FACTOR ANALYSIS FOR PATIENTS WITH SLOW CORONARY FLOW M. Katsnelson , M. Bhalja, J. Diez Baylor College of Medicine, Houston, TX, USA	220

SATURDAY, JULY 28, 2018

08:00 – 13:00

Poster Hall

P303 STABLE ISCHEMIC HEART DISEASE (continued)

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18	PREVALENCE OF CORONARY CALCIFICATION ON CT IN PATIENTS WITH ATRIAL FIBRILLATION B.P. Schwartz Albany Medical College, Albany, NY, USA	221
19	CLINICAL IMPLICATIONS OF microRNA SCORE IN DISCRIMINATING VASOSPASTIC ANGINA FROM ATHEROTHROMBOTIC ANGINA OR NON-CORONARY CHEST PAIN H.-Y. Lee Seoul National University Hospital, Seoul, Republic of Korea	222
20	ASIAN-INDIANS: A REVIEW OF CORONARY ARTERY DISEASE IN THIS UNDERSTUDIED COHORT IN THE UNITED STATES A. Sharma , D.R. Ardeshta, T. Bob-Manuel, A. Nanda, U. Ashraf, J. Kelly, R.N. Khouzam University of Tennessee Health Science Center, Memphis, TN, USA	223
21	INTERVENTIONAL DECISION MAKING WITH FRACTIONAL FLOW RESERVE FOR CULPRIT LESIONS ASSOCIATED WITH LEFT ANTERIOR DESCENDING ARTERY MYOCARDIAL BRIDGE H. Patel , S. Kumar, N.L. Ko Ko, J. John, P. Mathias University of Central Florida College of Medicine/HCA GME Consortium, Kissimmee, FL, USA	224
22	SHOULD SARCOIDOSIS BE CONSIDERED A RISK FACTOR FOR DEVELOPMENT OF PREMATURE CORONARY ARTERY DISEASE: A CASE OF 40-YEAR OLD FEMALE WITH CORONARY DISEASE AND SARCOIDOSIS M. Rodriguez Ziccardi, S. Basharat , O. Maludum Einstein Medical Center, Philadelphia, PA, USA	225
23	AN UNUSUAL CASE OF ACUTE MYOCARDIAL INFARCTION WITH NORMAL CORONARY ARTERIES S. Khare , E.S. Karreci, J. Aoun, L. Tsao St. Elizabeth Medical Center/Tufts University School of Medicine, Brighton, MA, USA	226

P304 HEART DISEASE IN WOMEN

24	SPONTANEOUS CORONARY ARTERY DISSECTION, A FATAL DISEASE IN HIDING A. Sarkar , S. Sennhauser, J. Lee, A. Llanos, M.J. Wood University of Miami at Holy Cross Hospital, Fort Lauderdale, FL, USA	227
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P305 HEART DISEASE IN THE ELDERLY

Board No.		Abstract No.
25	<p>ABNORMAL COGNITIVE FUNCTION IN ELDERLY PATIENTS WITH HEART FAILURE C. Techorueangwiwat, A. Ariyachaipanich Chulalongkorn University, Bangkok, Thailand</p>	228
26	<p>EXAMINING VARIATIONS IN STROKE RISK FACTORS AND HOSPITAL COST BY AGE AND GENDER IN CALIFORNIA B. Husaini Tennessee state University, Nashville, TN, USA</p>	229
27	<p>PREVALENCE AND CONTROL OF HYPERTENSION IN THE ELDERLY: RESULTS FROM CHINA HYPERTENSION SURVEY, 2012-2015 Z. Wang, S. Li, X. Wang, Z. Chen, L. Zhang, Y. Dong, C. Wang, J. Wang, Y. Kang, R. Gao National Center of Cardiovascular Disease, FU WAI Hospital PUMC & CAMS, Beijing, China</p>	230
P306 MISCELLANEOUS		
28	<p>LOW RISK PULMONARY EMBOLISM PATIENTS CAN BE DISCHARGED FROM EMERGENCY DEPARTMENT: A META-ANALYSIS A.H. Malik Westchester Medical Center, Harriman, NY, USA</p>	231
29	<p>GENERATING BIG DATA OF CARDIOVASCULAR RISK FACTORS THROUGH GEOTAGGED TWITTER MINING J. Lee, J. Sung Jackson State University, Madison, MS, USA</p>	232
30	<p>ACUTE PANCREATITIS MIMICKING ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION IN A PATIENT WITH SYNCOPE A. Agrawal, J. Penalver, N. Sayyida, M. Rodriguez Albert Einstein Medical Center, Philadelphia, PA, USA</p>	233
31	<p>TRANSIENT PULSUS ALTERNANS IN A MINIATURE PINSCHER WITH PULMONIC STENOSIS W.A. Ware, S. Murphy, A. Cheney Iowa State University, Ames, IA, USA</p>	234

SATURDAY, JULY 28, 2018

14:00 - 16:15

Hall A

PL11

Plenary Session

CARDIOVASCULAR DISEASE: DIFFERENT STRATEGIES FOR PRIMARY AND SECONDARY PREVENTION

Chairs: **C.H. Hennekens**, Boca Raton, FL, USA
R.S. Rosenson, New York, NY, USA

Abstract No.

- | | | |
|-------|---|-----|
| 14:00 | FASTING IS NOT NECESSARY FOR LIPID TESTING:
<i>NIHIL PER OS NON IAM</i> (Invited Lecture)
S. Mora
Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA | 235 |
| 14:15 | ASPIRIN IN THE PRIMARY PREVENTION OF CARDIOVASCULAR DISEASE: NEED FOR INDIVIDUAL CLINICAL JUDGMENTS (Invited Lecture)
C.H. Hennekens , S.K. Wood, D.D. DeMets, M.A. Pfeffer
Charles E. Schmidt College of Medicine, Florida Atlantic University, Boca Raton, FL, USA | 236 |
| 14:30 | OPTIMIZING STATIN UTILIZATION AND TREATMENT ADHERENCE AMONG PATIENTS WHO DISCONTINUE STATINS DUE TO ADVERSE MUSCLE EVENTS - A PERSONALIZED APPROACH (Invited Lecture)
R.S. Rosenson
Icahn School of Medicine at Mount Sinai, New York, NY, USA | 237 |
| 14:45 | LIFE SIMPLE SEVEN AND INCIDENCE OF CORONARY ARTERY DISEASE: THE MILLION VETERAN PROGRAM (Invited Lecture)
L. Djousse , Harvard Medical School, Boston, MA, USA | 238 |
| 15:00 | TESTOSTERONE AND CARDIOVASCULAR DISEASE (Invited Lecture)
J. Shirani , St. Luke's University Health Network, Bethlehem, PA, USA | 239 |
| 15:15 | UPDATE ON PREOP EVALUATION OF PATIENTS UNDERGOING NON-CARDIAC SURGERY (Invited Lecture)
M. Movahed , CareMore and University of Arizona, Tucson, AZ, USA | 240 |
| 15:30 | HEARTFUL LIVING: PROGRAM FOR IMPROVING HEALTH & LIFESTYLE THROUGH SELF-AWARENESS (Invited Lecture)
A. Chockalingam
University of Missouri, Columbia, MO, USA | 241 |
| 15:45 | CARDIOVASCULAR DISEASE RISK AND MENOPAUSE: WHAT HAVE WE LEARNED FROM SWAN? (Invited Lecture)
S.R. El Khoudary
Graduate School of Public Health University of Pittsburgh, Pittsburgh, PA, USA | 242 |
| 16:00 | SEX DIFFERENCES IN EXERCISE DURATION TIME AND RISK OF CARDIOVASCULAR DISEASE EVENTS IN HEALTHY ADULTS (Invited Lecture)
R. Herscovici, E. Maor, J. Mirocha, I. Goldenberg, S. Segev, Y. Charuzi
Cedars- Sinai Smidt Heart Institute, Los Angeles, CA, USA | 243 |
| 16:15 | COFFEE BREAK, VISIT EXHIBITION | |

PL12 **Plenary Session****VASCULAR BIOLOGY OF ATHEROSCLEROSIS: ROLE IN DISEASE PATHOGENESIS AND AS A THERAPEUTIC TARGET**

Chair: **E.A.L. Biessen**, Maastricht, The Netherlands
Z.S. Galis, Bethesda, MD, USA

Abstract No.

- | | | |
|-------|--|-----|
| 14:00 | MODULATION OF INFLAMMATORY VASCULITIS (IVS) AND ANTI-INFLAMMATORY TREATMENT BY THE GUT MICROBIOTA – A MOUSE HERPESVIRUS IVS MODEL (Invited Lecture)
A. Lucas , J.R. Yaron, S. Ambadapadi, L. Zhang
Biodesign Institute, Arizona State University, Tempe, Arizona, USA | 244 |
| 14:15 | DOWNREGULATION OF ENDOTHELIAL BETA-2 SPECTRIN BY INCREASED PLAQUE STIFFNESS INDUCES A LEAKY VESSEL PHENOTYPE IN ATHEROSCLEROTIC PLAQUE MICROVASCULATURE (Invited Lecture)
E.A. Biessen , Maastricht University, Maastricht, Netherlands | 245 |
| 14:30 | WHAT IF WE HAD A GOOGLE MAP OF THE HUMAN VASCULATURE (Invited Lecture)
Z.S. Galis , National Institutes of Health, Bethesda, MD, USA | 246 |
| 14:45 | CARDIOVASCULAR AGING AND BIOLOGICAL PATHS TO RESILIENCE (Invited Lecture)
S. Cheng , Brigham and Women's Hospital, Boston, MA, USA | 247 |
| 15:00 | DISTINCT ROLES OF CALCIUM & CYCLIC AMP IN ANGIOTENSIN II-INDUCED EXPRESSION OF EARLY GROWTH RESPONSE FACTOR-1 (EGR-1) IN VASCULAR SMOOTH MUSCLE CELLS (Invited Lecture)
A.K. Srivastava , CRCHUM, University of Montreal, Montreal, QC, Canada | 248 |
| 15:15 | TURNING TRASH TO TREASURE: TARGETING NON-CODING RNAs TO CONTROL ATHEROSCLEROSIS (Invited Lecture)
M.W. Feinberg
Brigham and Women's Hospital/Harvard Medical School, Boston, MA, USA | 249 |
| 15:30 | THE HYDROGEL-ENCAPSULATED T0901317 REDUCES ATHEROSCLEROSIS WITHOUT EFFECT ON LIPOGENESIS IN APOE DEFICIENT MICE (Invited Lecture)
C. Ma, K. Feng, X. Yang, Y. Chen, Q. Li, Z. Yang, Y. Duan, J. Han
Nankai University, Tianjin, China | 250 |
| 15:45 | LYSOSOMAL CYSTEINE PROTEASES AND DISTURBANCES OF THEIR REGULATION IN ATHEROSCLEROSIS (Invited Lecture)
T.A. Korolenko , T.P. Johnston, A.B. Shintyapina
Institute of Physiology and Basic Medicine, Novosibirsk, Russia | 251 |
| 16:00 | COFFEE BREAK, VISIT EXHIBITION | |

SATURDAY, JULY 28, 2018

14:00 – 17:00

Hall C

S26 CARDIAC ARRHYTHMIAS AND SUDDEN DEATH: FROM BASIC MECHANISMS TO STATE-OF-THE-ART MANAGEMENT

Chairs: **R.W. Biederman**, Pittsburgh, PA, USA
H. Paydak, Little Rock, AR, USA

Abstract No.

- | | | |
|-------|---|-----|
| 14:00 | PACEMAKER/ICD IN THE MRI ENVIRONMENT; BEYOND THE MAGNASAFE TRIAL (Invited Lecture)
R.W. Biederman , L. Gevenosky, H. Samar, R.B. Williams, R. Lombardi, M. Shah, C. Bonnet, M. Doyle
Allegheny General Hospital, Pittsburgh, PA, USA | 252 |
| 14:15 | THERAPEUTIC HYPOTHERMIA IN CARDIAC ARREST SURVIVORS WITH PRE-EXISTING CONGESTIVE HEART FAILURE IS NEPHROPROTECTIVE
A. Dutta , K. Hari, H.R. Jogu, U. Nasir, A. Pal, W. Qureshi
Wake Forest Baptist Health, Winston Salem, NC, USA | 253 |
| 14:30 | INFLUENCE OF ANTICOAGULATION ON STROKE AND MORTALITY RATES IN A SUBSET OF PATIENTS WITH ATRIAL FIBRILLATION: REAL WORLD OUTCOMES FROM REVIEW OF A LARGE ELECTRONIC DATABASE
E.A. Bucklew , R. Bazaz, S. Koscumb, O. Marroquin, S. Saba, S. Jain, E. Adelstein
University of Pittsburgh Medical Center, Pittsburgh, PA, USA | 254 |
| 14:45 | ANALYSIS OF REMOTE MAGNETIC CATHETER NAVIGATION SYSTEMS USE FOR ABLATION PROCEDURES OVER TIME
E. Aziz, O. Reynbakh , I. Khan, S. Sadiq, N. Souvaliotis, J. Aziz, A. Malinay, P. Boktor, D. Mehta
Mount Sinai St Luke's and Mount Sinai West Hospitals, New York, NY, USA | 255 |
| 15:00 | TEMPERATURE INTOLERANCE AS A COMMON SYMPTOM IN POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME
H. Ahmad , W. Almardini, M.A. Nasri, S.B. Alam, H. Mistry, N. Joy, K. Munez, S. Alam, A. Suleman
Cardiology, The Heartbeat Clinic, McKinney, TX, USA | 256 |
| 15:15 | PREVALENCE OF PAROXYSMAL SUPRAVENTRICULAR TACHYCARDIA (PSVT) IN THE UNITED STATES IN PATIENTS UNDER 65 YEARS OF AGE
N.C. Sacks , P.L. Cyr, S. Bariahtaris, A. Sharma, S.G. Green, P. Douville, J.N. Ruskin
Precision Xtract, Boston, MA, USA | 257 |
| 15:30 | BOTH BYSTANDER'S OWN AND DISPATCHER-ASSISTED RESUSCITATION EFFORTS ARE DEPRESSED DURING NIGHTTIME IN OUT-OF-HOSPITAL CARDIAC ARRESTS WITNESSED BY NON-FAMILY BYSTANDERS
H. Inaba , A. Yamashita, Y. Wato, T. Maeda
Kanazawa University Graduate School of Medicine, Kanazawa, Japan | 258 |

SATURDAY, JULY 28, 2018

14:00 – 17:00

Hall C

S26 CARDIAC ARRHYTHMIAS AND SUDDEN DEATH: FROM BASIC MECHANISMS TO STATE-OF-THE-ART MANAGEMENT (continued)

Abstract No.

- 15:45 OUTCOMES OF CATHETER ABLATION OF ATRIAL FIBRILLATION IN PATIENTS WITH DIABETES MELLITUS 259
M. Bengaluru Jayanna, A.M. Mohsen, G. Palamaner Subash Shantha, **C.J. Dezorzi**, M.C. Giudici
University of Iowa Hospitals and Clinics, Iowa City, IA, USA
- 16:00 THE ASSOCIATION BETWEEN PLASMA BIG ENDOTHELIN-1 LEVELS AT ADMISSION AND LONG-TERM OUTCOMES IN PATIENTS WITH ATRIAL FIBRILLATION 260
S. Wu, Y.M. Yang
National Center for Cardiovascular Diseases, Fuwai Hospital, Beijing, China
- 16:15 A BENEFIT OF IMPELLA DEVICE IN ABLATION OF SCAR RELATED VENTRICULAR TACHYCARDIA 261
N.L. Ko Ko, U. Batnyam, U.R. Siddiqui
University of Central Florida, Orlando, FL, USA
- 16:30 NON-SUSTAINED AND INDUCIBLE SUSTAINED VENTRICULAR TACHYCARDIA IN PACEMAKER PATIENTS 262
Y. Hanna, M. Arulthasan, W.-C. Sheu, D.A. Bloomfield
Richmond University Medical Center, Staten Island, NY, USA
- 16:45 PURKINJE-FIBER MEDIATED VENTRICULAR ECTOPY INDUCED VF STORM FOLLOWING ANTERIOR WALL MYOCARDIAL INFARCTION 263
E. Pagan, A. Alam, A. Aboyme, G. Siroky, W. Kostis, J. Coromilas, J. Kassotis, A. Saluja
Rutgers - Robert Wood Johnson University Hospital, New Brunswick, NJ, USA
- 17:00 COFFEE BREAK, VISIT EXHIBITION

S27

Session

CARDIOVASCULAR DISEASE PREVENTION AND RISK MANAGEMENT

Chairs: **L. Djousse**, Boston, MA, USA

S. Mora, Boston, MA, USA

Abstract No.

- | | | |
|-------|---|-----|
| 16:45 | ASSOCIATION BETWEEN 2017 HIGH BLOOD PRESSURE CLINICAL PRACTICE GUIDELINE NEWLY-DEFINED HYPERTENSION AND CHANGE IN BLOOD PRESSURE ON CARDIOVASCULAR DISEASE AMONG YOUNG ADULTS
J. Son, S. Choi , K. Kim, S. Kim, G. Lee, S.-M. Jeong, S. Park, Y.-Y. Kim, J.-M. Yun, S. Park
Seoul National University, Seoul, Republic of Korea | 264 |
| 17:00 | PREFERABLE EFFECTS OF AMLODIPINE/DIURETICS TO AMLODIPINE/TELMISARTAN ON VISIT-TO-VISIT VARIABILITY OF BLOOD PRESSURE IN HIGH-RISK HYPERTENSIVE PATIENTS
P.P. Lu , P. Fan, L.Y. Ma, A.H. Hu, W. Wang, L.S. Liu, L.H. Ma, X.L. Zhou
Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy of Medical Science and Peking Union Medical College, Beijing, China | 265 |
| 17:15 | MOODINESS AND DEPRESSIVE SYMPTOMS IN ADOLESCENCE PREDICTS OBESITY AND HYPERTENSION IN ADULTHOOD
K. Anand , S. Srinivas, S. Rajendran, A. Chockalingam
University of Missouri, Columbia, MO, USA | 266 |
| 17:30 | PREDICTORS OF HIGH ON-ASPIRIN PLATELET REACTIVITY IN CHINESE ELDERLY PATIENTS
W. Ou , X. Chen, M. Liu, B. Huang, X. Feng, W. Liu, M. Liu
Peking University First Hospital, Beijing, China | 267 |
| 17:45 | PREVENT AND INTERCEPT AMI (ACUTE MYOCARDIAL INFRACTION) RISK WITH ANARTIFICIAL INTELLIGENT SYSTEM
L. Ma , L. Tao, C.W. Ma, Y. Ge, M. Han, G. Li, L. Ma, Z. Wu, P. Yu, Y. Yang
Beijing Yiwan Technologies, Beijing, China | 268 |
| 18:00 | ASSOCIATION BETWEEN AIR POLLUTION AND CARDIOVASCULAR DISEASES DURING DUST STORMS IN TAIWAN
H.-R. Guo , S.-W. Yang
National Cheng Kung University, Tainan, Taiwan | 269 |
| 18:15 | CARDIOVASCULAR SAFETY AND POTENTIAL BENEFIT OF 5-ALPHA REDUCTASE INHIBITOR USE AMONG MALES AND BPH PATIENTS, A KOREAN NATIONAL COHORT
J. Chang , S. Park
Seoul National University Graduate School, Seoul, Republic of Korea | 270 |

SATURDAY, JULY 28, 2018

16:45 – 19:30

Hall A

S27

Session

CARDIOVASCULAR DISEASE PREVENTION AND RISK MANAGEMENT (continued)

Abstract No.

- | | | |
|-------|---|-----|
| 18:30 | <p>CARDIOVASCULAR DISEASE IN HIV INFECTED PATIENTS –
A RETROSPECTIVE REVIEW AT A SINGLE CENTER IN MIAMI
G. Zablak, F. Pyrali, R. Jordanov, T. Haque, R. Parmar, C. Martinez
University of Miami/Jackson Memorial Hospital, Miami, FL, USA</p> | 271 |
| 18:45 | <p>THE ROLE OF THE CARDIOLOGIST IN THE PREOPERATIVE
EVALUATION OF THE BARIATRIC SURGERY PATIENT
L.A. Bucklew, E.A. Bucklew
University of Pittsburgh Medical Center, Pittsburgh, PA, USA</p> | 272 |
| 19:00 | <p>ASSOCIATION BETWEEN SMOKELESS-TOBACCO USE AND
CARDIOVASCULAR DISEASE: AN ANALYSIS OF THE 2015 BRFSS DATA
P. Ndunda, D. Rakestraw
University of Kansas School of Medicine - Wichita, Wichita, KS, USA</p> | 273 |
| 19:15 | <p>IDEAL CARDIOVASCULAR HEALTH STATUS AND RISK OF
CARDIOVASCULAR DISEASE OR ALL-CAUSE MORTALITY IN A CHINESE
MIDDLE AGED POPULATION
Y. Dong, G. Hao, Z. Wang, X. Wang, Z. Chen, L. Zhang PO1
NCCD, Fuwai Hospital, Pecking Union Medical College, CAMS, Beijing, China</p> | 274 |

S28

Session

HEART FAILURE: NOVEL RISK FACTORS, PREDICTORS, NEW TREATMENT OPTIONS AND OUTCOMES

Chairs: **M. Dandel**, Berlin, Germany
J. Veselka, Czech Republic

Abstract No.

- | | | |
|-------|---|-----|
| 16:45 | <p>BETA3-ADRENERGIC RECEPTOR BLOCKADE BY APD418 ENHANCES CARDIAC POSITIVE INOTROPIC AND LOSITROPIC RESPONSES TO DOBUTAMINE IN HEART FAILURE ASSESSMENT BY PRESSURE-VOLUME ANALYSIS
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 Wake Forest School of Medicine, Winston-Salem, NC, USA</p> | 275 |
| 17:00 | <p>NOVEL HEART FAILURE PROTOCOL DRAMATICALLY REDUCES HOSPITAL READMISSIONS FROM SKILLED NURSING FACILITIES
 N.J. Trivedi, K. Duffy, J. Bander, A. Ali, R. Bhandari
 Mount Sinai Hospital System, New York, NY, USA</p> | 276 |
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 Mayo Clinic, Jacksonville, FL, USA</p> | 277 |
| 17:30 | <p>A STUDY TO IDENTIFY THE PREDICTORS OF RE-ADMISSIONS IN PATIENTS WITH CONGESTIVE HEART FAILURE IN MINORITY POPULATION IN AN INNER-CITY HOSPITAL
 S. Hanif, P. Kakarla, N. Bhalodkar, A. Zhang, G. Kamalakannan
 Bronx Lebanon Hospital Center, Bronx, NY, USA</p> | 278 |
| 17:45 | <p>ASSOCIATION BETWEEN CHRONIC KIDNEY DISEASE AND READMISSION RATE IN PATIENTS HOSPITALIZED WITH HEART FAILURE
 R. Alreshq, H. Patel, S. Purga, S. Fein, E. Philbin, M. Torosoff, R. Lyubarova
 Albany Medical College, Albany, NY, USA</p> | 279 |
| 18:00 | <p>PREVALENCE OF COGNITIVE IMPAIRMENT AND EFFECT ON REHOSPITALIZATION IN PATIENT WITH ACUTE HEART FAILURE
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| 18:15 | <p>ASSESSING THE COMPONENTS OF THE NEWLY REPORTED ASA SCORE
 A. Mukherjee, A. Alam, C. Maulion, E. Pagan, J. Xu, D. James, J. Cheng, D. Iyer, K. Mody, J. Almendral
 Rutgers - Robert Wood Johnson University Hospital, Rahway, NJ, USA
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 School of Biosciences, Cardiff University, Cardiff, UK</p> | 282 |

S28

Oral Session

HEART FAILURE: NOVEL RISK FACTORS, PREDICTORS, NEW TREATMENT OPTIONS AND OUTCOME (continued)

Abstract No.

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| 18:30 | <p>VALIDATION OF THE ARABIC VERSION OF THE MINNESOTA LIVING WITH HEART FAILURE QUESTIONNAIRE</p> <p>S. Noureddine, M. Zahwe, H. Isma'eel, H. Tamim, A. Al Hajje, S. Rachidi, H. Skouri
American University of Beirut, Beirut, Lebanon</p> | 283 |
| 18:45 | <p>CONTEMPORARY RETROSPECTIVE REVIEW OF HEART FAILURE READMISSIONS AT AN ACADEMIC MEDICAL CENTER</p> <p>M. Almnajam, M. Ghanim, G. Yesodharan, M. Afari, L. Tsao
St Elizabeth's Medical Center, Boston, MA, USA
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| 19:00 | <p>PREDICTORS OF HYPERBILIRUBINEMIA AMONG PATIENTS WITH NON-ISCHEMIC HEART FAILURE AND PROGNOSTIC IMPLICATIONS</p> <p>T.O. Mene-Afejuku, A. Akinlonu, P.D. Lopez, C. Dumancas, E.A. Symonds, A. Alisasis, O. Alsalman, G. Pekler, S. Mushiyev, F. Visco
New York Medical College, Metropolitan, New York, NY, USA
Cardiff Metropolitan University, Cardiff, UK</p> | 285 |

SATURDAY, JULY 28, 2018

17:00 – 18:30

Hall C

S29

Session

DIAGNOSIS AND MANAGEMENT OF AORTA AND PERIPHERAL VASCULAR DISEASES

Chairs: **J.G. Regensteiner**, Aurora, CO, USA
T. Tomaru, Tokyo, Japan

Abstract No.

- | | | |
|-------|--|-----|
| 17:00 | DO EMERGENCY MEDICAL SERVICE SYSTEMS PROPERLY ASSESS THE RISK OF ACUTE AORTIC SYNDROME AND TRANSPORT THE PATIENTS TO THE RIGHT HOSPITALS? IMPACT OF EMS ASSESSMENT AND TRANSPORTATION IN OUTCOMES
H. Inaba , A. Yamashita, Y. Yoshita, Y. Wato
Kanazawa University Graduate School of Medicine, Kanazawa, Japan | 286 |
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Z. Wang , X. Wang, L. Zhang, Z. Chen, Y. Dong, C. Zheng, J. Wang
National Center of Cardiovascular Disease, FU WAI Hospital PUMC & CAMS, Beijing, China | 287 |
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D. Cross , K. Bemis, N. Marwah, J. Larkin, L. Usvyat, R. Lombardo, A. Odhav, T. Das, B. Le, F. Maddux
National Cardiovascular Partners, Houston, TX, USA | 288 |
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Kobe University Graduate School of Medicine, Kobe, Japan | 289 |
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W. Liu , M. Liu, Y. Yang, Y. Liu
Peking University First Hospital, Beijing, China | 290 |
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J.D. Davidov , D. Moussouros, H.J. Begmatov, S. Cheema, A. Sherwani, Z. Ghani, K. Damiris, B.L. Beatty, M.M. Plummer, O.V. Savinova
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Mayo Clinic, Rochester, MN, USA | 291 |

P401 ATRIAL FIBRILLATION: CAUSES, SYMPTOMS AND TREATMENT

Board No.

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 Thomas Jefferson University Hospital, Philadelphia, PA, USA
- 2 AGREEMENT BETWEEN A MEDTRONIC PACEMAKER AND LINQ IN REPORTING PAROXYSMAL ATRIAL FIBRILLATION 293
J. Kneller
 Astria Heart Institute, Yakima, WA, USA
- 3 PULMONARY VEIN STENOSIS AFTER RADIOFREQUENCY ABLATION FOR ATRIAL FIBRILLATION 294
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 The First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China
- 4 THE BLEB THAT BLED, A HITHERTO UNREPORTED CASE OF HEMOTHORAX OCCURRING AS A COMPLICATION OF ELECTRODE CATHETER ABLATION TO TREAT ATRIAL FIBRILLATION 295
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 Morristown Medical Center, Morristown, NJ, USA
- P402 SUDDEN DEATH, ARRHYTHMIAS AND DEVICE THERAPY**
- 5 PREDICTION OF "SUPER-RESPONSE" TO CARDIAC RESYNCHRONIZATION THERAPY BY SURFACE ECG FINDINGS IN PATIENTS WITH LEFT BUNDLE BRANCH BLOCK - A PILOT STUDY 296
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 Sidney Kimmel Medical College, Philadelphia, PA, USA
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 University of Kansas Medical Center, Kansas City, KS, USA

SATURDAY, JULY 28, 2018

13:30 – 18:30

Poster Hall

P402 SUDDEN DEATH, ARRHYTHMIAS AND DEVICE THERAPY (continued)

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Arkansas Methodist Medical Center, Jonesboro, AR, USA
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17	INTRAVENOUS SALINE PROVIDES SYMPTOMATIC RELIEF FOR PATIENTS WITH POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS) W. Almardini , M.A. Nasri, H. Mistry, S.B. Alam, N. Joy, K. Munez, S. Alam, A. Suleman The Heartbeat Clinic, McKinney, TX, USA	308
18	HYPOTHYROIDISM IN POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS) PATIENTS W. Chaudhary , M.A. Nasri, W. Almardini, N. Chaudhary, S. Alam, S.B. Alam, H. Mistry, K. Munez, N. Joy, A. Suleman The Heartbeat Clinic, McKinney, TX, USA	309
19	FEVER-INDUCED BRUGADA PATTERN IN A HISPANIC PATIENT J.M. Stempel , A. Tiu, N. Candelario, A. Mora, D. Brito Ibert Einstein Medical Center, Philadelphia, PA, USA	310
20	SLOW VENTRICULAR TACHYCARDIA M.A. Arif , R. Samannan, U. Bhatti, C.H. May University of Oklahoma, Oklahoma City, OK, USA	311
21	CALMING THE STORM - A CHALLENGING PRESENTATION OF A PATIENT WITH ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY AND RECURRENT VENTRICULAR TACHYCARDIA N.K.O. Onuorah , A. Ekiz, J. Pollock Wright State University, Dayton, OH, USA	312
22	FASCICULAR VENTRICULAR TACHYCARDIA IN A 28-YEAR-OLD MALE WITH FUNGAL INFECTION J.L. Penalver , M. Zabad, E. Franco, F. Aguilar, S. Basharat, A. Mora, S. Mainigi, B. Cepeda Einstein Medical Center, Philadelphia, PA, USA	313
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Poster Hall

P403 **ARRHYTHMIAS AND ELECTROPHYSIOLOGY (continued)**

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Edson Saad Heart Institute, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil

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P404 **PERCUTANEOUS CORONARY INTERVENTION**

26 LONG TERM COMPARISON OF PLATINUM CHROMIUM-BASED EVEROLIMUS-ELUTING STENT VERSUS COBALT CHROMIUM-BASED ZOTAROLIMUS-ELUTING STENT: 3-YEAR OUTCOMES FROM THE HOST-ASSURE RANDOMIZED CLINICAL TRIAL 317
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Seoul National University Hospital, Seoul, Republic of Korea

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Marshall University Joan C. Edwards School of Medicine, Huntington, WV, USA

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Kettering Medical Center/Dayton VA Medical Center, Dayton, OH, USA

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Hospital Universitario Austral, Pilar - Buenos Aires, Argentina

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Hospital Universitario Austral, Pilar - Buenos Aires, Argentina

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N. Shah
Internal Medicine, St Mary Mercy Hospital, Livonia, MI, USA

SATURDAY, JULY 28, 2018

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P404 PERCUTANEOUS CORONARY INTERVENTION (continued)

Board No.

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 Geisinger Medical Center, Danville, PA, USA

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 Centro de Estudios en Cardiología Intervencionista (CECI), Buenos Aires, Argentina

36 RECURRENT PULMONARY EMBOLISM DESPITE BEING ON RIVAROXABAN **327**
M. Ghanim, S. Hegde, A. Vaziri
 Saint Elizabeth Medical Center, Brighton, MA, USA

37 HOW SAFE ARE NEWER ANTICOAGULANTS AND THEIR REVERSAL ANTIDOTES: A CASE REPORT ON RISK-BENEFIT DILEMMA **328**
N. Shah
 St Mary Mercy Hospital, Livonia, MI, USA



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ANNUAL SCIENTIFIC SESSIONS 2018
23rd WORLD CONGRESS ON
HEART DISEASE

BOSTON, MA, USA, JULY 27 – 29, 2018

SCIENTIFIC
PROGRAM

Sunday, July 29, 2018

SCIENTIFIC PROGRAM



SUNDAY, JULY 29, 2018

08:30 – 11:00

Hall A

PL13

Plenary Session

CORONARY ARTERY DISEASE: FROM BASIC MECHANISMS TO NOVEL OPPORTUNITIES FOR DIAGNOSIS AND TREATMENT

Chairs: **J.A. Filep**, Montreal, QC, Canada
U. Thadani, Oklahoma City, OK, USA

Abstract No.

- | | | |
|-------|--|-----|
| 08:30 | THE ASSOCIATION OF CONCOMITANT SERUM POTASSIUM AND GLUCOSE LEVELS AND IN-HOSPITAL MORTALITY IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION (Invited Lecture)
Y. Plakht , A. Shiyovich, H. Gilutz
Ben-Gurion University of the Negev, Beer-Sheva, Israel | 329 |
| 08:45 | SPONTANEOUS CORONARY ARTERY DISSECTION: FURTHER INSIGHTS UTILISING BIG DATA (Invited Lecture)
R. Potluri
ACALM, Birmingham, UK | 330 |
| 09:00 | DAYLIGHT SAVING TIME AND ACUTE MYOCARDIAL INFARCTION: DOES A GENDER-ORIENTED DIFFERENCE EXIST? (Invited Lecture)
R. Manfredini , F. Fabbian, B. Zucchi, R. Cappadona
Center for Studies on Gender Medicine, University of Ferrara, Ferrara, Italy | 331 |
| 09:15 | INDIVIDUALIZATION OF OPTIMAL TREATMENT FOR STABLE ANGINA PECTORIS: AN ONGOING CHALLENGE (Invited Lecture)
U. Thadani
University of Oklahoma HSC, Oklahoma City, Oklahoma and VA Medical Center, Oklahoma City, OK, USA | 332 |
| 09:30 | ENHANCING INFLAMMATION RESOLUTION IN ACUTE CORONARY ARTERY DISEASE: THE NEXT FRONTIERS FOR THERAPY? (Invited Lecture)
J.G. Filep
University of Montreal, Montreal, QC, Canada | 333 |
| 09:45 | INTRAVASCULAR ULTRASOUND (IVUS): CURRENT STATUS AND FUTURE PROSPECTS (Invited Lecture)
M. Terashima
Toyohashi Heart Center, Toyohashi, Japan | 334 |
| 10:00 | PLACEBO: POWER OF NON-SPECIFIC TREATMENT EFFECTS (Invited Lecture)
G. Barsness
Mayo Clinic, Rochester, MN, USA | 335 |

PL13 Plenary Session**CORONARY ARTERY DISEASE: FROM BASIC MECHANISMS TO NOVEL OPPORTUNITIES FOR DIAGNOSIS AND TREATMENT (continued)**

Abstract No.

- | | | |
|-------|--|-----|
| 10:15 | <p>EMS GUIDED PRIMARY PCI MADE A DRAMATIC IMPACT ON POSITIVE STEMI CARE(Invited Lecture)
 H. Reddy, R.C. Komatireddy, R. Sharma
 University of Arkansas Medical School, Little Rock, AR, and St. Louis University Medical School, St. Louis, MO, USA</p> | 336 |
| 10:30 | <p>ATHEROSCLEROSIS IN ANCIENT MUMMIES (Invited Lecture)
 M. Madjid
 McGovern School of Medicine, Houston, TX, USA</p> | 337 |
| 10:45 | <p>THE NOVEL SMALL LEUCINE RICH-REPEAT PROTEIN PODOCAN IS A SELECTIVE SYSTEMIC AND LOCAL REGULATOR OF SMOOTH MUSCLE CELL FUNCTION VIA THE CANONICAL WNT-PATHWAY: LESSONS LEARNED IN MICE AND MEN (Invited Lecture)
 R. Hutter
 Bassett Medical Center, Cooperstown, NY, USA</p> | 338 |
| 11:00 | <p>COFFEE BREAK, VISIT POSTERS AND EXHIBITION</p> | |

PL14

Plenary Session

**STEPS FORWARD IN UNDERSTANDING AND MANAGEMENT OF
CARDIOMYOPATHY AND HEART FAILURE: BASIC AND CLINICAL**

Chairs: **M.R. Johnson**, Madison, WI, USA
L. Mestroni, Aurora, CO, USA

Abstract No.

08:30	THROMBOLYTICS VERSUS PUMP EXCHANGE IN VAD MANAGEMENT: SHOULD WE USE A TAILORED APPROACH? (Invited Lecture) N. Nair Texas Tech Health Sciences Center, Lubbock, TX, USA	339
08:45	DO NEW STUDIES/DEVICES TIP THE BALANCE TO EARLIER LVAD IMPLANTATION AS DESTINATION THERAPY? (Invited Lecture) M.R. Johnson University of Wisconsin School of Medicine and Public Health, Madison, WI, USA	340
09:00	GENETICS IN THE MANAGEMENT OF DILATED CARDIOMYOPATHY (Invited Lecture) L. Mestroni University of Colorado Anschutz Medical Campus, Aurora, CO, USA	341
09:15	TARGETING CaMKII IN HEART FAILURE (Invited Lecture) Y. Wang , J. Cheng Zhongnan Hospital of Wuhan University, Wuhan, China	342
09:30	HOME HOSPITALIZATION FOR ACUTE DECOMPENSATED HEART FAILURE: OPPORTUNITIES AND STRATEGIES FOR IMPROVED HEALTH OUTCOMES (Invited Lecture) M. Silver , University of Illinois, Chicago, IL, USA	343
09:45	MECHANISMS OF DCM DUE TO CELL CYCLE STRESS (Invited Lecture) B.S. Tuana , University of Ottawa, Ottawa, ON, Canada	344
10:00	SILENCING OF THE CARDIAC 18-kDa TRANSLOCATOR PROTEIN PREVENTS HEART FAILURE DUE TO PRESSURE OVERLOAD (Invited Lecture) S. Schaefer , E.N. Dedkova, P.N. Thai University of California Davis, Davis, CA, USA	345
10:15	THE TRIALS AND TRIBULATIONS OF SLOW CONTINUOUS ULTRAFILTRATION FOR MANAGEMENT OF ACUTE HEART FAILURE – AN UPDATE FOR 2018 (Invited Lecture) A. Kazory , University of Florida, Gainesville, FL, USA	346
10:30	IMPACT OF EXERCISE TRAINING ON DIASTOLIC FUNCTION IN HFPEF: GATHERING EVIDENCE FROM CLINICAL AND PRE-CLINICAL STUDIES (Invited Lecture) D. Moreira-Goncalves , University of Porto, Porto, Portugal	347
10:45	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

S30

Session

NEW CONCEPTS IN CARDIOVASCULAR DISEASE AND TREATMENT OUTCOMES

Chairs: **S. Cheng**, Boston, MA, USA
J. Shirani, Bethlehem, PA, USA

Abstract No.

- | | | |
|-------|---|-----|
| 08:30 | HEALTHCARE RESOURCE USE AND EXPENDITURES IN PATIENTS UNDER 65 YEARS OF AGE AND NEWLY DIAGNOSED WITH PAROXYSMAL SUPRAVENTRICULAR TACHYCARDIA (PSVT) IN THE UNITED STATES
N.C. Sacks , S. Bariahtaris, A. Sharma, K. Everson, P.L. Cyr, P. Douville, J.N. Ruskin
Precision Xtract, Boston, MA, USA | 348 |
| 08:45 | PREDICTORS OF HEALTH-RELATED QUALITY OF LIFE AFTER FIELD-TRIAGE TO PRIMARY PERCUTANEOUS CORONARY INTERVENTION FOR NON-COMPLICATED ST-ELEVATION MYOCARDIAL INFARCTION: AN AGE COMPARISON STUDY
S.Y. Soo Hoo , Royal North Shore Hospital, Sydney, Australia | 349 |
| 09:00 | ACUTE AND CHRONIC ELEVATION OF CARDIAC TROPONIN PREDICT THE SEVERITY OF CORONARY ARTERY DISEASE IN PATIENTS WITH END-STAGE RENAL DISEASE
M.B. Taha , M. Alom, Y. Abdelgadir, O. Hadid, A. Sharma, V. Yelamanchili, R. Naik, N. Haidar, S. Hussain, C. Arsene
Wayne State University/Detroit Medical Center, Detroit, MI, USA | 350 |
| 09:15 | LESS IS MORE - RESTRICTIVE TRANSFUSION STRATEGY IN CORONARY ARTERY DISEASE PATIENTS RESULTS IN SHORTER LENGTH OF STAY
G.A. Medranda , P.J. Sapia, K. Brahmabhatt, C.A. Garcia, C. Healey, M. Fazzari, S. Green
NYU Winthrop Hospital, Mineola, NY, USA | 351 |
| 09:30 | VALIDATION AND COMPARISON OF RESTING GRADIENT TO FRACTIONAL FLOW RESERVE FOR ASSESSMENT OF CORONARY ARTERY STENOSIS
J. Aoun , S. Lahsaei, C. Zahm, T. Bhat, J.P. Carrozza
Saint Elizabeth's Medical Center, Brighton, MA, USA | 352 |
| 09:45 | DEATH REPORTS AMONGST NOACS AND WARFARIN USERS. A STRATIFIED ANALYSIS OF FAERS DATA
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E. Pivato , S. Vasireddi, L. James, M. Kondapaneni
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Session

ACUTE CORONARY SYNDROME: DETECTION, PREVENTION AND TREATMENT

Chairs: **G. Barsness**, Rochester, MN, USA
L.M. Biasucci, Rome, Italy

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ARTERY DISEASE
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USD Sanford School of Medicine, Sioux Falls, SD, USA

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Session

**CARDIOMYOPATHY, HEART FAILURE AND PULMONARY HYPERTENSION:
NOVEL APPROACHES FOR DIAGNOSIS AND TREATMENT**

Chairs: **M.A. Silver**, Oak Lawn, IL, USA

Y. Wang, Wuhan, China

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- | | | |
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New York Medical College, Metropolitan, New York, NY, USA

SUNDAY, JULY 29, 2018

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Hall C

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Session

VALVULAR AND STRUCTURAL HEART DISEASE: MECHANISMS AND TREATMENT OPTIONS

Chairs: **H.P. Chaliki**, Scottsdale, AZ, USA
A.N. Cheema, Toronto, ON, Canada

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- | | | |
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3	LIPID LYSOPHOSPHATIDYLCHOLINE-INDUCED Ca ²⁺ INFLUX WAS MUCH MORE SUBSTANTIAL AND UNLIKELY STORE-OPERATED Ca ²⁺ ENTRY (SOCE) IN CYTOTOXICITY OF MOUSE CEREBRAL MICROVASCULAR ENDOTHELIAL CELLS K.-L. Wong , C.-W. Cheung, B.-M. Huang, Y.-M. Leung China Medical University and Hospital, Taichung, Taiwan	387
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