



INTERNATIONAL  
ACADEMY OF  
CARDIOLOGY

INTERNATIONAL ACADEMY OF CARDIOLOGY  
ANNUAL SCIENTIFIC SESSIONS 2016  
21st WORLD CONGRESS ON  
**HEART DISEASE**

BOSTON, MA, USA, JULY 30 – AUGUST 1, 2016

**PROGRAM**

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The scientific program of the International Academy of Cardiology, Annual Scientific Sessions 2016, 21st World Congress on Heart Disease, has been reviewed by the American Medical Association and approved for 23 AMA PRA Category 1 Credit™. 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.

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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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# CONTENTS

Chairman's Letter .....	5
Section Chairs .....	6
Scientific Executive Committee .....	7
Scientific Advisory Board .....	9
Scientific Abstract Review Committee .....	13
Awards .....	16
Opening Lectures .....	20
Acknowledgements .....	22
General Information .....	23
Social Program .....	26
List of Exhibitors and Sponsors .....	27
Satellite Symposia .....	29
Scientific Program	
Saturday, July 30, 2016 .....	33
Sunday, July 31, 2016 .....	61
Monday, August 1, 2016 .....	91
Index .....	107



## 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 2016, 21<sup>st</sup> World Congress on Heart Disease.*

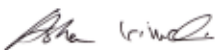
*The Congress has been designed to provide an innovative and comprehensive overview of the latest research developments in cardiovascular medicine, primarily in the areas of molecular biology, coronary artery disease, heart failure, cardiac arrhythmias and cardiac surgery.*

*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 700 abstracts submitted for presentation at the meeting. These studies, originating from laboratories in 40 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 2016.*

*Yours sincerely,*



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## INTERNATIONAL ACADEMY OF CARDIOLOGY MEMORIAL AWARDS

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 2016 will be presented at the Opening Ceremony of the Congress.

16

### AWARD RECIPIENTS

#### The **WALTER BLEIFELD MEMORIAL AWARD**

for distinguished work in the field of Clinical Research

1995	William Ganz, USA
1996	John B. Barlow, South Africa
1997	Sidney Goldstein, USA
2000	E. Douglas Wigle, Canada
2002	Uri Elkayam, USA
2003	John A. Eleftheriades, USA
2005	James H. Chesebro, USA
2007	Clive Rosendorff, USA
2008	Harisios Boudoulas, Greece
2010	Wilbert S. Aronow, USA
2011	Maryl R. Johnson, USA
2012	Anne B. Curtis, USA
2013	Horst Sievert, Germany
2014	Paul A. Heidenreich, USA
2015	Ezra A. Amsterdam, USA

#### 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 Toyoko-Oka, Japan
2013	Anne A. Knowlton, USA
2014	Kenneth Maiese, USA
2015	Samuel C. Dudley, USA



## AWARD RECIPIENTS (Cont.)

### 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

### 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

## AWARD RECIPIENTS (Cont.)

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



## INTERNATIONAL ACADEMY OF CARDIOLOGY DISTINGUISHED FELLOWSHIP AWARDS

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The International Academy of Cardiology has established Distinguished Fellowship Awards to honor colleagues who have made significant 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

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2005	Jeffrey S. Borer, USA
2005	Kanu Chatterjee, 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	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

## 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. Elefteriades**, 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**



## ACKNOWLEDGEMENTS

We would like to offer very special thanks to the following companies for providing unrestricted educational grants.

### GOLD LEVEL

**Janssen Pharmaceuticals Inc.**  
**Novartis Pharmaceuticals Corporation**

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

<b>Steve Adler</b>	<b>Orly Halevy</b>
<b>Tomer Aharon</b>	<b>Oren Hirschenzone</b>
<b>Karin Archer</b>	<b>Caroline L. Jia</b>
<b>Roland Archer</b>	<b>Rebeca Kimchi</b>
<b>Dror Ben-Tzvi</b>	<b>Vicky Klug</b>
<b>Karen H. Burstein</b>	<b>Micha Lederman</b>
<b>Liron Burstein</b>	<b>Shannon J. Leung</b>
<b>Maytal Burstein</b>	<b>Hila Nahari</b>
<b>Noam Burstein</b>	<b>Karyn Nahari</b>
<b>Cirina Catania</b>	<b>Einat Peled</b>
<b>Sergey Fedchin</b>	<b>Mike Perchig</b>
<b>Rami Gur</b>	<b>Tuyet T.M. Tran</b>

The music is provided with pleasure by Dr. Justin Chen, Dr. Psyche Loui, and Dr. Andrea Spencer from Folie à Quatre, a Boston-based string quartet whose members are clinicians and researchers.

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, Boston is the venue and headquarters hotel of the *International Academy of Cardiology Annual Scientific Sessions 2016 21st World Congress on Heart Disease*

Hotel Address:

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:

Friday, July 29, 2016	17:00 – 18:30 hours
Saturday, July 30, 2016	08:00 – 18:00 hours
Sunday, July 31, 2016	08:00 – 18:00 hours
Monday, August 1, 2016	08:00 – 13:30 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 but please check it 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).

#### Important note for Macintosh users:

If using a Macintosh laptop computer, please note that you must provide your own computer and **confirm that it has a VGA socket** for external signal. On arrival at the Congress, please check your computer in the Speaker Ready Room and again in the session hall where your lecture will take place, at least 1 hour before the start of your session.

**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.

### EXHIBITION

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

Saturday	10:00 am - 5:00 pm
Sunday	09:00 am - 5:00 pm
Monday	09:00 am - 1:00 pm

### ATTENDANCE CERTIFICATES

A Certificate of Participation will be provided on registration in your registration pack.

### 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 Friday, July 29, 2016 from 18:00 – 19:30.

### FAREWELL DINNER (Optional)

The Farewell Dinner will take place on Sunday, July 31, 2016 at 20:00. 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 2016, 21<sup>st</sup> World Congress on Heart Disease has been approved for 23 *AMA- PRA Category 1 Credits*<sup>™</sup>.

### 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 2016, 21<sup>st</sup> World Congress on Heart Disease. Participants should make their own arrangements with respect to health and travel insurance.



## GENERAL INFORMATION (Cont.)

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### CONGRESS SECRETARIAT

International Academy of Cardiology  
Annual Scientific Sessions 2016  
21st World Congress on Heart Disease  
PO Box 17659  
Beverly Hills, CA 90209, USA  
Tel: +1 310 657 8777; Fax: +1 310 659 4781  
E-mail: klimedco@ucla.edu  
Website: [www.CardiologyOnline.com](http://www.CardiologyOnline.com)

### ORGANIZERS

#### CARDIOLOGY ONLINE

PO Box 17659  
Beverly Hills, CA 90209, USA  
Tel: +1 310 657 8777; Fax: +1 310 659 4781  
E-mail: klimedco@ucla.edu  
Website: [www.CardiologyOnline.com](http://www.CardiologyOnline.com)



## SOCIAL PROGRAM

**Friday, July 29, 2016**

### **GET –TOGETHER RECEPTION**

18:00 – 19:30

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 Friday, July 29, 2016 from 18:00 – 19:30.

26



**Sunday, July 31, 2016**

20:00

### **FAREWELL DINNER** (Optional)

The Farewell Dinner will take place on Sunday, July 31, 2016 at 20:00. 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:

### ■ **ContextMedia Health**

330 N. Wabash Ave. Ste 3500  
Chicago, IL, 60611, USA  
[Jeanette.wochinski@contextmediainc.com](mailto:Jeanette.wochinski@contextmediainc.com)

ContextMedia Health is the leading provider of digital education salutation at the point of care.

ContextMedia Health's comprehensive suite of products, including the Waiting Room TV, Exam Room Tablet, Patient Wifi and Digital Exam Room Wallboard, drives a more robust dialogue between physicians and patients to improve patient health outcomes.

### ■ **Impulse Dynamics**

523 Fellowship Road, Suite 230  
Mount Laurel, NJ, 08054, USA  
<http://www.impulse-dynamics.com>

Impulse Dynamics is the provider of Cardiac Contractility Modulation Therapy (CCM), which is a unique and innovative method for treating patients with moderate to severe heart failure. Significant clinical research has shown that CCM signals which are unique electrical pulses, significantly improve the hearts contractility by delivering non-excitatory electrical pulses to the heart using the Optimizer IVs system.

### ■ **Janssen Pharmaceuticals, Inc.**

1000 Route 202  
Raritan, NJ 08869  
United States  
Phone: 908-218-6000  
<http://www.janssenpharmaceuticalsinc.com>

Janssen Pharmaceuticals, Inc. provides medicines in several therapeutic areas, including mental health, cardiovascular disease, and diabetes

## LIST OF EXHIBITORS AND SPONSORS (Cont.)

### ■ Novartis Pharmaceuticals Corporation

One Health Plaza  
East Hanover, NJ 07936, USA  
<http://www.pharma.us.novartis.com>  
Telephone: 888-NOW-NOVA

Located in East Hanover, New Jersey, Novartis Pharmaceuticals Corporation is an affiliate of Novartis AG, which provides innovative healthcare solutions that address the evolving needs of patients and societies. Headquartered in Basel, Switzerland, Novartis offers a diversified portfolio to best meet these needs: innovative medicines, eye care and cost-saving generic pharmaceuticals. Novartis products are available in more than 180 countries around the world. For more information, please visit [www.pharma.us.novartis.com](http://www.pharma.us.novartis.com).

### ■ Regeneron Pharmaceuticals

777 Old Saw Mill River Rd  
Tarrytown, NY, 10591, USA  
<http://www.regeneron.com>

Regeneron (NASDAQ: REGN) is a leading science-based biopharmaceutical company based in Tarrytown, New York that discovers, invents, develops, manufactures, and commercializes medicines for the treatment of serious medical conditions. Regeneron commercializes medicines for high LDL cholesterol, eye diseases, and a rare inflammatory condition and has product candidates in development in other areas of high unmet medical need, including oncology, rheumatoid arthritis, asthma, atopic dermatitis, pain, and infectious diseases.

### ■ Relypsa

100 Cardinal Way  
Redwood City, CA, 94063, USA  
<http://www.relypsa.com>

Relypsa is a biopharmaceutical company leading the discovery, development and commercialization of polymer-based medicines to treat conditions that are often overlooked and undertreated, but that can have a serious impact on patient lives or even be life-threatening. We are focused on developing medicines that will change treatment paradigms.

### ■ ZOLL Medical Corporation

121 Gamma Drive  
Pittsburgh, PA 15238, USA  
<http://www.zoll.com>

ZOLL Medical Corporation develops and markets products for defibrillation and monitoring, circulation and CPR feedback, data management, fluid resuscitation, therapeutic temperature management, and ventilation. ZOLL provides a comprehensive set of technologies that help clinicians, EMS and fire professionals, and lay rescuers treat victims needing resuscitation and acute critical care.



## SATELLITE SYMPOSIUM

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### **THROMBOSIS: AFIB AN EXPLORATION IN RISK REDUCTION**

DATE / LOCATION:

**Saturday, July 30, 2016**

7:00 - 7:30 pm: Registration & Dinner Service

7:30 - 8:30 pm: Presentation

8:30 - 9:00 pm: Questions & Answer Session

The Westin Copley Place  
Essex Ballroom  
Boston, Massachusetts

SPEAKERS:

**Luis Gruberg, MD, FACC**

Professor of Medicine

Director of Research, Interventional Cardiology

Stony Brook University Hospital

Stony Brook, New York

**Uri Elkayam, MD**

Professor of Medicine

Professor of Obstetrics and Gynecology

University of Southern California

Los Angeles, California

DESCRIPTION:

This lecture will discuss treatment options for patients with deep vein thrombosis and pulmonary embolism, and how they can reduce the risk of recurrent thrombotic events.

**Supported By:** Janssen Pharmaceuticals, Inc.

This promotional educational activity is not accredited and is not eligible for AMA PRA Credits. The program content is developed by Janssen Pharmaceuticals, Inc. Speakers present on behalf of the company and are required to present information in compliance with FDA requirements for communications about its medicines.



## SATELLITE SYMPOSIUM

### PUTTING GUIDELINES INTO PRACTICE: NEW RECOMMENDATIONS FOR OPTIMAL TREATMENT OF HEART FAILURE WITH REDUCED EJECTION FRACTION (HF+EF)

**Sunday, July 31, 2016**

6:30 - 7:45 am: Registration, Breakfast Service and Presentation

Westin Copley Plaza Boston  
Meeting Room: Essex Ballroom

PRESENTER:

**Uri Elkayam, MD**

Professor of Medicine

Director of Research, Interventional Cardiology

University of Southern California

Los Angeles, California, USA

**Sponsored By:** Novartis Pharmaceuticals Corporation

This promotional educational activity is not accredited and is not eligible for AMA PRA Credits. The program content is developed by Novartis Pharmaceuticals Corporation. Speakers present on behalf of the company and are required to present information in compliance with FDA requirements for communications about its medicines.





INTERNATIONAL  
ACADEMY OF  
CARDIOLOGY

INTERNATIONAL ACADEMY OF CARDIOLOGY  
ANNUAL SCIENTIFIC SESSIONS 2016  
21st WORLD CONGRESS ON  
**HEART DISEASE**

BOSTON, MA, USA, JULY 30-AUGUST 1, 2016

SCIENTIFIC  
PROGRAM

Saturday, July 30, 2016

SCIENTIFIC PROGRAM





**OC:** OPENING CEREMONY

Chair: **Jeffrey S. Borer**, USA

GREETINGS

**Asher Kimchi**, USA

Founder and Chairman

International Academy of Cardiology

**Jeffrey S. Borer**, USA

Chairman, Scientific Executive Committee

Chairman, Section of Valvular Heart Disease

International Academy of Cardiology

**John A. Eleftheriades**, USA

Member, Scientific Executive Committee

Chairman, Section of Cardiovascular Surgery

International Academy of Cardiology

**Naranjan S. Dhalla**, Canada

Member, Scientific Executive Committee

Chairman, Section of Molecular Cardiology

International Academy of Cardiology

**Nathan D. Wong**, USA

Member, Scientific Executive Committee

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**Laurence Sperling**, USA

Member, Scientific Executive Committee

Chairman, Section of Preventive Cardiology

International Academy of Cardiology

PRESENTATION OF 2016 AWARDS

**Jeffrey S. Borer**, USA

**John A. Eleftheriades**, USA

## SATURDAY, JULY 30, 2016

09:40 – 10:15

Hall A

**OL: Opening Lecture**  
**TENTH H.J.C. SWAN MEMORIAL LECTURE**

Chair: **N.K. Wenger**, Atlanta, GA, USA

Abstract No.

09:40 INTRODUCTION  
**N.K. Wenger**, Atlanta, GA, USA

09:45 THE WAR ON HEART FAILURE (Invited Lecture) **001**  
**E. Braunwald**  
Brigham and Women's Hospital, Boston, MA, USA

10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

10:45 – 13:15

Hall A

**PL01 Plenary Session**  
**HEART FAILURE: NOVEL APPROACHES FOR DIAGNOSIS AND TREATMENT**

Chairs: **J.D. Marsh**, Little Rock, AR, USA  
**F.G. Spinale**, Columbia, SC, USA

10:45 CLINICAL GENETICS OF DILATED CARDIOMYOPATHY- TESTING WISELY **002**  
(Invited Lecture)  
**J.D. Marsh**  
University of Arkansas for Medical Sciences, Little Rock, AR, USA

11:00 THE CANCER ASSOCIATED FIBROBLAST AND THE HEART FAILURE **003**  
ASSOCIATED FIBROBLAST- SIMILAR PHENOTYPE, SIMILAR PATHWAYS  
LEADING TO POTENTIALLY SIMILAR TREATMENT (Invited Lecture)  
**F.G. Spinale**  
USC School of Medicine and WJB Dorn VA, Columbia, SC, USA

11:15 REGENERATIVE MEDICINE 2.0 (Invited Lecture) **004**  
**L.W. Miller**  
Morgan Heart Institute, Clearwater, FL, USA

11:30 THYROID HORMONE TREATMENT OF HEART FAILURE: IS THERE A **005**  
THERAPEUTIC WINDOW? (Invited Lecture)  
**A. Martin Gerdes**  
New York Institute of Technology-College of Osteopathic Medicine,  
Old Westbury, NY, USA

## SATURDAY, JULY 30, 2016

10:45 – 13:15

Hall A

**PL01 Plenary Session**

**HEART FAILURE: NOVEL APPROACHES FOR DIAGNOSIS AND TREATMENT (cont.)**

Abstract No.

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|-------|---|-----|
| 11:45 | ALCOHOL CONSUMPTION AND INCIDENCE OF HEART FAILURE IN MEN WITH CORONARY ARTERY DISEASE (Invited Lecture)<br><b>L. Djousse</b> , J.M. Gaziano<br>Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA  | 006 |
| 12:00 | 30-DAY ALL-CAUSE HOSPITAL READMISSION IN HEART FAILURE: FINDINGS FROM PROPENSITY SCORE MATCHED STUDIES (Invited Lecture)<br><b>A. Ahmed</b><br>The Washington DC VA Medical Center, MD, USA   | 007 |
| 12:15 | EFFECTIVENESS OF REMOTE PATIENT MONITORING AFTER DISCHARGE OF HOSPITALIZED PATIENTS WITH HEART FAILURE: THE BETTER EFFECTIVENESS AFTER TRANSITION-HEART FAILURE (BEAT-HF) RANDOMIZED CLINICAL TRIAL (Invited Lecture)<br><b>M.K. Ong</b> , P.S. Romano, S. Edgington, A.D. Auerbach, J.T. Black, J.J. Escarce, T.G. Ganiats, S. Greenfield, A. Kimchi, G.C. Fonarow<br>University of California, Los Angeles, CA, USA | 008 |
| 12:30 | INDUCTION OF ENDOGENOUS T REGULATORY CELLS IS EFFECTIVE IN TREATING HEART FAILURE AND HEART FAILURE-INDUCED LUNG REMODELING (Invited Lecture)<br>A. Chen, H. Wang, L. Hou, <b>Y. Chen</b><br>University of Minnesota Medical School, Minneapolis, MN, USA   | 009 |
| 12:45 | SIRTUINS AS REGULATORS OF MITOCHONDRIAL FITNESS AND EVOLUTION OF HEART FAILURE (Invited Lecture)<br><b>M.P. Gupta</b><br>University of Chicago, Chicago, IL, USA  | 010 |
| 13:00 | MONTREAL COGNITIVE ASSESSMENT IS SUPERIOR TO STANDARDIZED MINI-MENTAL STATUS EXAM IN DETECTING MILD COGNITIVE IMPAIRMENT IN HEART FAILURE (Invited Lecture)<br><b>K. Alagiakrishnan</b> , D. Mah, J. Dyck, A. Senthilselvan, J. Ezekowitz<br>University of Alberta, Edmonton, Alberta, Canada,  | 011 |
| 13:15 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION   |     |

## SATURDAY, JULY 30, 2016

10:45 – 13:00

Hall B

**PL02 Plenary Session**  
**ADVANCES IN CARDIOVASCULAR IMAGING THAT WILL IMPACT PATIENT CARE**

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

Abstract No.

- |       |  |     |
|-------|--|-----|
| 10:45 | OPTIMIZING EVALUATION OF PATIENTS WITH LOW TO INTERMEDIATE RISK ACUTE CHEST PAIN: WHAT IS THE RELATIVE VALUES OF STRESS MYOCARDIAL PERFUSION IMAGING WHEN INCORPORATING STRESS-ONLY IMAGING VERSUS CARDIAC COMPUTED TOMOGRAPHY (Invited Lecture)<br><b>J.J. Mahmarian</b><br>Houston Methodist DeBakey Cardiology Associates, Houston, TX, USA | 012 |
| 11:00 | PET AND CT ASSESSMENT OF CORONARY FLOW PHYSIOLOGY (Invited Lecture)<br><b>D.S. Berman</b> , M. Motlagh, D. Dey, J.D. Friedman, S.W. Hayes, L.E.J. Thomson, L. Shaw, B.K. Tamarappoo, G. Germano, P. Slomka<br>Cedars-Sinai, Los Angeles, California USA  | 013 |
| 11:15 | NOVEL METHODS OF ISCHEMIA EVALUATION BY COMPUTED TOMOGRAPHY (Invited Lecture)<br><b>J.K. Min</b><br>Weill Cornell Medicine, Dalio Institute of Cardiovascular Imaging, New York, NY, USA   | 014 |
| 11:30 | ECHOCARDIOGRAPHIC ASSESSMENT OF LEFT VENTRICULAR DIASTOLIC FUNCTION: AN UPDATE (Invited Lecture)<br><b>S.F. Nagueh Armanious</b><br>Methodist DeBakey Heart and Vascular Center, Houston, TX, USA  | 015 |
| 11:45 | SELECTING BETWEEN CORONARY CTA VERSUS FUNCTIONAL TESTING: DOES IT MAKE A DIFFERENCE? (Invited Lecture)<br><b>R. Blankstein</b><br>Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA  | 016 |
| 12:00 | LOOKING INTO HIGH-RISK PLAQUE AND DES BIOLOGY: HIGH-SPEED INTEGRATED OCT-NIRF (Invited Lecture)<br><b>J.W. Kim</b> , Korea University Guro Hospital, Seoul, South Korea  | 017 |
| 12:15 | PET/CT-DETERMINED PERFUSION AND CORONARY FLOW IN CLINICAL ROUTINE (Invited Lecture)<br><b>T.H. Schindler</b> , Johns Hopkins University, Baltimore, MD, USA  | 018 |
| 12:30 | ROLE OF CAC TESTING IN 2016: SHARED DECISION MAKING FOR INFORMED CHOICES (Invited Lecture)<br><b>K. Nasir</b> , Baptist Health South Florida, Miami, FL, USA   | 019 |
| 12:45 | COMPUTED TOMOGRAPHY ANGIOGRAPHY VS. CORONARY ANGIOGRAPHY: A 3D VESSEL FEATURE COMPARISON AND VALIDATION (Invited Lecture)<br><b>J.A. Garcia</b> , Orlando Health, Orlando, FL, USA   | 020 |
| 13:00 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION  |     |



<b>PL03</b>	<b>Plenary Session</b> <b>CELLULAR AND MOLECULAR MECHANISMS OF CARDIOVASCULAR DISEASES: FROM BASIC RESEARCH TO TRANSLATIONAL MEDICINE</b>	
	Chairs: <b>K. Maiese</b> , Newark, NJ, USA <b>K.N. Pandey</b> , New Orleans, LA, USA	
		Abstract No.
10:45	TRANSLATING VASCULAR BIOLOGY INTO CLINICAL CARE FOR CARDIOLOGY (Invited Lecture) <b>K. Maiese</b> Rutgers University of Medicine & Dentistry of New Jersey, Cellular and Molecular Signaling, Newark, NJ, USA	021
11:00	GENETIC BASIS OF CARDIAC DYSFUNCTION: PROTECTIVE ROLE OF ALL-TRANS RETINOIC ACID AND HISTONE DEACETYLASE INHIBITOR (Invited Lecture) <b>K.N. Pandey</b> , U. Subramanian, P. Kumar, I. Mani, I. Kessler, R. Raghavaraju Tulane University Health Sciences Center, New Orleans, LA, USA	022
11:15	FINDING NOVEL ANTI-FIBROTIC THERAPIES USING A DUAL-REPORTER MOUSE THAT TRACKS FIBROBLAST CELL TRANSITIONS IN VIVO AND IV VITRO (Invited Lecture) <b>C.S. Long</b> , V. Martinelli, S. Zacchigna University of Colorado, Denver, CO, USA	023
11:30	INCREASED M2 MACROPHAGES REDUCES PRO-INFLAMMATORY CYTOKINES IN ATHEROSCLEROSIS (Invited Lecture) <b>D.K. Singla</b> University of Central Florida, Orlando, FL, USA	024
11:45	EXTRACELLULAR MATRIX TURNOVER IN VASCULAR CALCIFICATION (Invited Lecture) <b>W. Kong</b> Peking University Health Science Center, Beijing, China	025
12:00	PLAQUE LYMPHANGIOGENESIS: TO DRAIN OR NOT TO DRAIN (Invited Lecture) M. Kietasidorn, T. Rademakers, M. Manca, E. van der Vorst, K. Alitalo, J. Sluimer, A. Noel, <b>E. Biessen</b> Maastricht University, Maastricht, Netherlands	026
12:15	GENOME-WIDE IDENTIFICATION AND CHARACTERIZATION OF CARDIAC HYPERTROPHY-RELATED LONG NONCODING RNAs (CH-LNCRNAs) IN MICE (Invited Lecture) <b>D-Z. Wang</b> , Z-P. Wang Boston Children's Hospital, Harvard Medical School, Boston, MA, USA	027
12:30	SHORT AND LONG NON-CODING RNAs AS BIOMARKERS OF ACUTE CARDIAC CONDITIONS (Invited Lecture) <b>Y. Devaux</b> Luxembourg Institute of Health, Luxembourg	028

## SATURDAY, JULY 30, 2016

10:45 – 13:30

Hall C

**PL03 Plenary Session**

**CELLULAR AND MOLECULAR MECHANISMS OF CARDIOVASCULAR DISEASES: FROM BASIC RESEARCH TO TRANSLATIONAL MEDICINE (cont.)**

Abstract No.

- 12:45 TARGETING THE HEART UTILIZING A NOVEL CELL PENETRATING PEPTIDE (Invited Lecture) **029**  
**M. Zahid**  
University of Pittsburgh, Pittsburgh, PA, USA
- 13:00 DECIPHERING THE ROLE OF MITOPHAGY IN THE HEART DURING FASTING (Invited Lecture) **030**  
**Q. Liang**  
New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA
- 13:15 DOES CYSTATIN SN INFLUENCE ON CYSTATIN C LEVEL IN ISCHEMIA AND PREVIOUS MYOCARDIAL INFARCTION? (Invited Lecture) **031**  
N.V. Goncharova, G.S. Russkikh, M.M. Gevorgyan, N.P. Voronina, Ts.P. Korolenko, N.A. Kikhtenko, **T.A. Korolenko**  
Institute Physiol. Fund. Med., Novosibirsk, Russia
- 13:30 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

10:45 – 12:45

Hall D

**S21 INTERVENTIONAL CARDIOLOGY**

Chairs: **J. Golledge**, Townsville, Queensland, Australia  
**B.F. Uretsky**, Little Rock, AR, USA

Abstract No.

- 10:45 CLINICAL DECISION-MAKING USING FRACTIONAL FLOW RESERVE IN ACUTE CORONARY SYNDROMES (Invited Lecture) **032**  
**B.F. Uretsky**, University of Arkansas for Medical Sciences, Little Rock, AR, USA
- 11:00 EXPEDITIOUS REPERFUSION IN NON-ST SEGMENT ELEVATION MYOCARDIAL INFARCTION: A SINGLE CENTER TEN YEAR EXPERIENCE **033**  
**K. Shetabi**, R. Patel, R. Ullah, T. Siddiqua, T. Wilson, S. Olet, K.A. Ammar, S. Allaqaband, T. Bajwa, M.F. Jan  
Aurora Health Care, Milwaukee, WI, USA
- 11:15 EARLY ANTIPLATELET THERAPY UPGRADE IN STEMI PATIENTS TREATED WITH PRIMARY PCI **034**  
**A. Lupi**, M. Lazzeri, A. Rognoni, C. Cavallino, A.S. Bongo  
AOU Maggiore della Carita', Novara, Italy

## SATURDAY, JULY 30, 2016

10:45 – 12:45

Hall D

### S21 INTERVENTIONAL CARDIOLOGY (cont.)

Abstract No.

- 11:30 BIODEGRADABLE POLYMER DRUG ELUTING STENT: EFFICACY AND SAFETY WITH SHORT REGIMEN OF ANTIPLATELET THERAPY **035**  
**L.A. Iñigo-Garcia**, F.J. Martinez-Garcia, A. Milan-Pinilla, A. Valle-Alberca, L. Fernandez-Lopez, V.V. Traverso-Castilla, A. Delgado-Aguilar, R. Bravo-Marques, A. Ramirez-Moreno, J. R Siles-Rubio  
Hospital Costa del Sol, Marbella, Spain
- 11:45 SYSTEMATIC REVIEW OF THE UTILITY OF THROMBUS ASPIRATION IN PATIENTS WITH STEMI UNDERGOING PRIMARY PCI **036**  
A. Ivanov, **B.H. Subedi**, T.R. Patel, S. Khan, J.F. Heitner, S.J. Brener  
NY Methodist Hospital, Brooklyn, NY, USA
- 12:00 DOES AN UPRIGHT T WAVE IN LEAD V1 PREDICT SIGNIFICANT CORONARY ARTERY DISEASE? **037**  
**I. Suen**, N. Sablani, M. Iskandir, B. Simmons, S. Talebi, R. Chirurgi, G. Fernaine, G.W. Hassen  
St. George's University School of Medicine, Grenada, West Indies
- 12:15 DUAL ANTIPLATELET THERAPY AFTER CORONARY ARTERY BYPASS GRAFTING IN THE SETTING OF ACUTE CORONARY SYNDROME **039**  
**M. Agarwal**, R. Bomb, C.S. Oliphant, R.N. Khouzam  
University of Tennessee Health Science Center, Memphis, TN, USA
- 12:30 ST ELEVATED MYOCARDIAL INFARCTION AS AN EPIPHENOMENON OF NON CARDIOVASCULAR DISEASE **040**  
**J.M. Telayna**, J.M. Telayna (h), R.A. Costantini  
Hospital Universitario Austral, Buenos Aires, Argentina
- 12:45 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

## SATURDAY, JULY 30, 2016

08:00 – 13:00

Poster Hall

### P101 GENETICS OF CARDIOVASCULAR DISEASES

Board No.

Abstract No.

- 1 BETA3-ADRENOCEPTOR GENE EXPRESSION IN RAT ADIPOSE TISSUE IN RESPONSE TO REPEATED IMMUNE CHALLENGE **041**  
**A. Csanova**, M. Pokusa, D. Jezova  
Biomedical Research Center Slovak Academy of Sciences, Bratislava, Slovak Republic
- 2 VALIDATED GENETIC BIOMARKERS FOR PREDICTION OF INDIVIDUAL RISK OF MYOCARDIAL INFARCTION IN RUSSIANS **042**  
G.Z. Osmak, D. Lvovs, B.V. Titov, N.A. Matveeva, R.M. Shakhnovich, T.R. Nasibullin, O.E. Mustafina, **A.V. Favorov**, M. Ya Ruda, O.O. Favorova  
Russian Cardiology Scientific and Production Center, Moscow, Russia

### P102 PREVENTION OF CORONARY ARTERY DISEASE / RISK FACTORS FOR ATHEROTHROMBOTIC DISEASE

- 3 ACUTE EFFECTS OF AIR POLLUTION ON CARDIOVASCULAR DISEASE **044**  
S-W Yang, **H-R Guo**  
National Cheng Kung University, Tainan, Taiwan
- 4 RELATIONSHIP BETWEEN FAMILY HISTORY OF CARDIOVASCULAR DISEASE ON CORONARY CALCIUM SCORE **045**  
**S. Saberian**, S. Banga, S. Mungee, K. Wattanakit  
OSF St. Francis Medical Center, University of Illinois College of Medicine at Peoria, IL, USA
- 5 EPIDEMIOLOGY OF LOW-DOSE ASPIRIN USE FOR PRIMARY AND SECONDARY PREVENTION OF CARDIOVASCULAR DISEASE **046**  
**M.E. Stuntz**  
Deerfield Institute, New York, NY, USA
- 6 DEVELOPMENT OF A HEALTH PROMOTION MODEL GUIDED LIFESTYLE INTERVENTION PROGRAM FOR ADULTS WITH METABOLIC SYNDROME **047**  
**Q. Wang**, S.Y. Chair, E.M.L. Wong  
The Nethersole School of Nursing, Faculty of Medicine, The Chinese University of Hong Kong
- 7 KNOWLEDGE OF HEART DISEASE IN FEMALE AND MALE COLLEGE STUDENTS **048**  
**M. Granieri**, C. Bavishi, A. Koulova, J.P. Cordova, J. Tamis-Holland  
Mt. Sinai St. Luke's Hospital, New York, NY, USA
- 8 PATTERNS OF REFERRAL AND IMMEDIATE CLINICAL IMPACT OF CORONARY ARTERY CALCIUM SCORING **049**  
**A. Quddus**, A. Smith, M. Mclane, S. Agrawal, A. Sinha, D. Prutzman, J. Shirani, F. Burt  
St. Luke's University Health Network, Bethlehem, PA, USA

## SATURDAY, JULY 30, 2016

08:00 – 13:00

Poster Hall

### P102 PREVENTION OF CORONARY ARTERY DISEASE / RISK FACTORS FOR ATHEROTHROMBOTIC DISEASE (cont.)

Board No.		Abstract No.
9	THE B12/CRP INDEX AS A SIMPLE INDICATOR OF CORONARY ARTERY DISEASE IN AN ADULT POPULATION <b>G.D. Spyromitros</b> , I.D. Lagos, E.S. Papadopoulou, G.H. Katerini Cardiology Department, Katerini, Greece	050
10	PREDICTORS OF CHILDHOOD OBESITY AND ADULTHOOD BLOOD PRESSURE LEVELS <b>S. Singh</b> , J. Kaur, K.K. Thumburu, P. Nieminen, A. Chauhan, N. Jaiswal, A. Agarwal, M. Singh, N. Paul, S. Sagwal Advanced Pediatric Centre, PGIMER, Chandigarh, India	051

### P103 PREDICTORS AND MARKERS OF HEART FAILURE OUTCOME

11	GROUPING OF PATIENTS ON RELATION TO HOSPITAL READMISSION BY ACUTE HEART FAILURE <b>J.M. Quintana</b> , A. Anton-Ladislao, S. Garcia-Gutierrez, I. Lafuente, M.J. Morillas, E. Hernandez, I. Rilo, N. Murga, R. Quiros Unidad de Investigacion, Hospital Galdakao-Usansolo, Galdakao, Bizkaia, Spain	052
12	A PREDICTIVE MODEL OF 30 DAYS DEATH IN ADMITTED PATIENTS BY ACUTE HEART FAILURE <b>J.M. Quintana</b> , A. Anton, S. Garcia, I. Lafuente, M.J. Morillas, E. Hernandez, I. Rilo, N. Murga, R. Quiros, A. Lara Unidad de Investigacion, Hospital Galdakao-Usansolo, Spain	053
13	CONGESTIVE HEART FAILURE CLINICS: HOW TO MAKE THEM WORK IN A COMMUNITY-BASED HOSPITAL SYSTEM M. Kabach, <b>O. Kreidieh</b> , J. Larned, L. Tamariz, K. Raimondo University of Miami Miller School of Medicine, Miami, Florida, USA	054
14	EVALUATION OF IN-PATIENT CLINICAL OUTCOMES OF GUIDELINE-BASED THERAPY FOR ACUTE HEART FAILURE <b>K.G. Castillo</b> , R.E. Ramboyong The Medical City, Pasig, Philippines	055

## SATURDAY, JULY 30, 2016

08:00 – 13:00

Poster Hall

### P104 PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY / CONGENITAL HEART DISEASE

Board No.		Abstract No.
15	TILT TABLE TESTING TO DIAGNOSE PSEUDOSYNCOPE IN THE PEDIATRIC POPULATION <b>J.A. Robinson</b> , J.K. Shivapour, C.S. Snyder The Congenital Heart Collaborative, Rainbow Babies and Children's Hospital, Case Western Reserve University School of Medicine, Cleveland, OH, USA	056
16	FIVE HEART CHAMBERS AT 60 YEARS: A RARE PRESENTATION OF COR TRIATRIUM SINISTRUM <b>A.S. Saggi</b> , A.S. Rajabalan, S.V. Patel, P. Patel, T. Singh Western Reserve Health Education/NEOMED, Youngstown, OH, USA	057
17	LATE COMPLICATIONS OF D-TRANSPOSITION OF THE GREAT ARTERIES S/P MUSTARD PROCEDURE <b>K.S. Patel</b> , K. Ramasubbu, B. Subedi New York Methodist Hospital, NY, USA	058
18	HEALTHY CAREGIVERS-HEALTHY CHILDREN: A PRIMARY PREVENTION PROGRAM WITH PRESCHOOL CHILDREN <b>R.N. Natale</b> , S.E. Messiah, C. Chang, K. Sardinas, J. Fitzgibbons, S. Peraza University of Miami School of Medicine, Mailman Center for Child Development, Miami, FL, USA	059

### P105 CARDIOVASCULAR QUALITY IMPROVEMENT AND OUTCOME

19	APPROPRIATENESS OF AERO MEDICAL TRANSPORT FOR CARDIAC EMERGENCIES <b>A. Aggarwal</b> , J. Heslop, S. Banga, S. Mungee, <b>K. Kalvakuri</b> University of Illinois College of Medicine at Peoria, Illinois; OSF Saint Francis Medical Center, Peoria, Illinois, USA	060
20	DECREASED DUPLICATE TESTING WITH ELECTRONIC MEDICAL RECORDS. A STUDY OF 7,400 NUCLEAR MEDICINE STRESS TESTS <b>A. Avezbadalov</b> , F. Mushtaq, P. Hardigan, J.J. Rozanski, M.A. Chizner The Heart Center of Excellence, NOVA University, Fort Lauderdale, FL, USA	061
21	MAYO REGISTRY FOR TELEMETRY EFFICACY IN ARREST (MR TEA) STUDY: A DESCRIPTIVE ANALYSIS OF MEDICATION ADMINISTRATION DURING INPATIENT CARDIOPULMONARY ARREST RESUSCITATION <b>D.F. Snipelisky</b> , J.C. Ray, G. Matcha, T. Vadeboncoeur, F. Kusumoto, A. Roy, A. Dumitrascu, D. Harris, M.C. Burton Mayo Clinic, Rochester, MN, USA	062
22	CHANGES IN MANAGEMENT OF STEMI WITH MULTIVESSEL DISEASE IN A CARDIAC CATHETERIZATION LAB <b>J.B. Halevy</b> , P.B. Gogo The University of Vermont Medical Center, Burlington, VT, USA	063

## SATURDAY, JULY 30, 2016

08:00 – 13:00

Poster Hall

**P105      CARDIOVASCULAR QUALITY IMPROVEMENT AND OUTCOME (cont.)**

Board No.

Abstract No.

- 23      CLINICAL CHARACTERISTICS, HOSPITAL MANAGEMENT PRACTICES,  
AND IN-HOSPITAL OUTCOMES OF PATIENTS HOSPITALIZED WITH  
TYPE 1 AND TYPE 2 MYOCARDIAL INFARCTION: THE WORCESTER HEART  
ATTACK STUDY 064  
J. Yarzebski; M. Tisminetzky, E. Granillo; R. Charan, **R.P. Makam**; D.D. McManus;  
D. Lessard; J.M. Gore; R. Goldberg  
University of Massachusetts Medical School, Worcester, MA, USA

## SATURDAY, JULY 30, 2016

14:00 – 16:45

Hall A

**PL04 Plenary Session**

**LIPIDS, OBESITY, METABOLIC SYNDROME AND DIABETES**

*Joint Session with the American Society for Preventive Cardiology*

Chairs: **N.S. Dhalla**, Winnipeg, MB, Canada  
**N.K. Wenger**, Atlanta, GA, USA

Abstract No.

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|-------|---|-----|
| 14:00 | PATHOGENESIS AND THERAPY OF DIABETIC CARDIOMYOPATHY (Invited Lecture)<br><b>N.S. Dhalla</b><br>St. Boniface Hospital Albrechtsen Research Centre, University of Manitoba, Winnipeg, MB, Canada  | 065 |
| 14:15 | SEX DIFFERENCES IN THE CARDIOVASCULAR CONSEQUENCES OF DIABETES MELLITUS (Invited Lecture)<br><b>N.K. Wenger</b><br>Emory University School of Medicine, Atlanta, GA, USA  | 066 |
| 14:30 | STATINS IN THE TREATMENT AND PREVENTION OF CARDIOVASCULAR DISEASES: CURRENT AND EMERGING CLINICAL AND PUBLIC HEALTH CHALLENGES (Invited Lecture)<br><b>C.H. Hennekens</b> , E.H. Lieberman; M.H. Rubenstein; P.R. Hebert; D.L. DeMets; M.A. Pfeffer<br>Florida Atlantic University, Boca Raton, FL, USA | 067 |
| 14:45 | STATIN INTOLERANCE - NOVEL BIOMARKERS, MECHANISMS, DEFINITION, AND EFFECTIVE MANAGEMENT. A WAY TO IMPROVE THERAPY ADHERENCE AND AVOID STATIN DISCONTINUATION? (Invited Lecture)<br><b>M. Banach</b><br>Medical University of Lodz, Poland   | 068 |
| 15:00 | EVOLUTION OF PCSK9 MAB THERAPY FOR DYSLIPIDEMIA (Invited Lecture)<br><b>N.D. Wong</b><br>University of California, Irvine, CA, USA  | 069 |
| 15:15 | THE HIGHLY DIFFICULT LIPOPROTEIN: CONTROVERSIES AND NEW DIRECTIONS (Invited Lecture)<br><b>R.S. Rosenson</b> , Icahn School of Medicine at Mount Sinai, New York, NY, USA   | 070 |
| 15:30 | COMPREHENSIVE CARDIOVASCULAR RISK REDUCTION IN THE METABOLIC SYNDROME AND DIABETES (Invited Lecture)<br><b>L.S. Sperling</b> , Emory University School of Medicine, Atlanta, USA  | 071 |
| 15:45 | PDE5 INHIBITION IN PROTECTION OF DIABETIC HEART (Invited Lecture)<br><b>R.C. Kukreja</b> , S.S. Koka, L. Xi, A. Varma, F.N. Salloum, E.J. Lesnefsky, A. Das<br>Virginia Commonwealth University Richmond, VA, USA   | 072 |
| 16:00 | INITIAL STAGES OF OBESITY ARE ASSOCIATED WITH INCREASED CARDIOVASCULAR ACTIVATION UNDER STRESS (Invited Lecture)<br><b>D. Jezova</b> , B. Prokopova, N. Hlavacova<br>Slovak Academy of Sciences, Bratislava, Slovakia   | 073 |



## SATURDAY, JULY 30, 2016

14:00 – 16:45

Hall A

**PL04 Plenary Session**  
**LIPIDS, OBESITY, METABOLIC SYNDROME AND DIABETES (cont.)**

*Joint Session with the American Society for Preventive Cardiology*

		Abstract No.
16:15	METFORMIN ENHANCES T0901317-REDUCED ATHEROSCLEROSIS AND INHIBITS T0901317-INDUCED HYPERTRIGLYCERIDEMIA-- A NEW STRATEGY FOR ATHEROSCLEROSIS TREATMENT (Invited Lecture) C. Ma, W. Zhang, Y. Duan, Y. Chen, <b>J. Han</b> Nankai University, Tianjin, China	074
16:30	MACROPHAGE DEPOSITION OF CHOLESTEROL INTO THE EXTRACELLULAR MATRIX – A PATHWAY FOR REVERSE CHOLESTEROL TRANSPORT (Invited Lecture) <b>X. Jin</b> , D. Sviridov, Y. Liu, B. Vaisman, L. Addadi, A.T. Remaley, H.S. Kruth National Institutes of Health, Bethesda, Maryland, USA	075
16:45	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

## SATURDAY, JULY 30, 2016

14:00 – 16:00

Hall B

### PL05 Plenary Session

#### ELECTROPHYSIOLOGY: SUDDEN DEATH, ARRHYTHMIAS AND DEVICE THERAPY

Chairs: **M.E. Cain**, Buffalo, NY, USA  
**A.B. Curtis**, Buffalo, NY, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 14:00 | IMPROVEMENT IN CLINICAL OUTCOMES WITH BIVENTRICULAR VERSUS RIGHT VENTRICULAR PACING IN THE BLOCK HF STUDY (Invited Lecture)<br><b>A.B. Curtis</b> , S.J. Worley, E.S. Chung, P. Li, S.A. Christman, M. St. John Sutton<br>University at Buffalo, Buffalo, NY, USA | 076 |
| 14:15 | PREVENTION OF SUDDEN CARDIAC DEATH: CHALLENGES AND OPPORTUNITIES (Invited Lecture)<br><b>M.E. Cain</b><br>University at Buffalo, Buffalo, NY, USA   | 077 |
| 14:30 | RISK STRATIFICATION AND THERAPY OF ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY (Invited Lecture)<br><b>D. Corrado</b> , University of Padova, Italy   | 078 |
| 14:45 | RAISING ION CHANNEL CURRENTS TO PREVENT ARRHYTHMIAS (Invited Lecture)<br>C. Rutledge, M. Liu, H. Liu, E.M Jeong, A. Xie, I. Efimov, <b>S.C. Dudley</b> -<br>Lifespan Cardiovascular Institute, Providence, Brown University, Providence, RI, Providence, USA      | 079 |
| 15:00 | INNOVATIVE P-WAVE DETECTION FOR DISCRIMINATION BETWEEN VENTRICULAR AND SUPRAVENTRICULAR TACHYCARDIA IN SINGLE-CHAMBER ICDS: IS THE P-WAVE INVISIBLE DURING TACHYCARDIA? (Invited Lecture)<br><b>H. Paydak</b> , UAMS, Little Rock, AR, USA                        | 080 |
| 15:15 | A PACEMAKER WITH ANTI-TACHYCARDIA PACING FOR PRIMARY PREVENTION OF SUDDEN ARRHYTHMIC DEATH: RECONCEPTUALIZING DEVICE THERAPY IN THE AGE OF THE INTERNET OF THINGS (Invited Lecture)<br><b>J.R. Gimbel</b><br>Case Western Reserve University, Cleveland, OH, USA  | 081 |
| 15:30 | RISK STRATIFICATION IN BRUGADA SYNDROME: ICD INDICATION IN PATIENTS WITHOUT HISTORY OF CARDIAC ARREST (Invited Lecture)<br><b>M. Takagi</b><br>Osaka City Graduate School of Medicine, Osaka, Japan   | 082 |
| 15:45 | THE CHANGING PARADIGM OF ATHLETIC PARTICIPATION IN LONG QT SYNDROME (Invited Lecture)<br><b>M.J. LaPage</b><br>University of Michigan, Ann Arbor, MI, USA   | 083 |
| 16:00 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION  |     |

## SATURDAY, JULY 30, 2016

14:00 – 16:45

Hall C

S22	<b>NEW DIRECTIONS IN CARDIOVASCULAR SURGERY: HEART VALVE SURGERY / CORONARY REVASCLARIZATION / MECHANICAL CIRCULATORY SUPPORT / CARDIAC TRANSPLANTATION</b>	
	Chairs: <b>F.A. Arabia</b> , Los Angeles, CA, USA <b>S.H. Rahimtoola</b> , Los Angeles, CA, USA	Abstract No.
14:00	VALVE PROSTHESIS-PATIENT MISMATCH (VP-PM): A LONG-TERM PERSPECTIVE (Invited Lecture) D. Daneshvar, <b>S.H. Rahimtoola</b> University of Southern California, Los Angeles, CA, USA	084
14:15	TRANSCATHETER AORTIC VALVE IMPLANTATION SHORTENS THE QTC INTERVAL IN PATIENTS WITH SEVERE AORTIC VALVE STENOSIS <b>K. Anouti</b> , S. Goldman, R. Rodriguez, E. Gnall, G. McNeill, Z. Shaik, P. Syed, S. Abramson, L. Zhang, P. Kowey Lankenau Medical Center, Wynnewood, PA, USA	085
14:30	CHANGING PATHOLOGY OF THE AORTA: FROM ACUTE TO CHRONIC DISSECTION S. Peterss, A.M. Mansour, J.A. Ross, I. Vaitkeviciute, P. Charilaou, J. Dumfarth, M. Tranquilli, H. Fang, B.A. Ziganshin, J.A. Rizzo, A.J. Adeniran, <b>J.A. Elefteriades</b> Aortic Institute at Yale-New Haven Hospital, Yale University School of Medicine, New Haven, CT, USA	086
14:45	OUTCOMES IN NONAGENARIANS UNDERGOING TRANSAORTIC VALVE REPLACEMENT IN A SINGLE CARDIOVASCULAR CENTER <b>J.E. Pino</b> , O.I. Kreidieh, M. Miller, J. Choi, L.S. Lovitz, M.E. Nores, R. Chait University of Miami, Palm Beach Regional Campus, Atlantis, FL, USA	087
15:00	CONTEMPORARY UTILIZATION AND GENDER-RACIAL DISPARITIES IN CORONARY ARTERY BYPASS SURGERY IN THE UNITED STATES: ANALYSIS OF 2 MILLION PATIENTS S.V. Patel, <b>A. Rajabalan</b> , P. Patel, A. Saggu, M. Patel, T. Singh Western Reserve Health Education/NEOMED, Youngstown, OH, USA	088
15:15	ISCHEMIC PATIENTS UNDERGOING CARDIAC SURGERY HAVE SIGNIFICANT MITOCHONDRIAL COMPLEX I DYSFUNCTION <b>D. Schipper</b> , C. O'Hare, R. Palsma, D. Dicken, T. Kazui, Z. Khalpey University of Arizona College of Medicine, Department of Surgery, Tucson, AZ, USA	089
15:30	THE USE OF EXTRACORPOREAL MEMBRANE OXYGENATION FOR CARDIAC INDICATIONS: A TERTIARY CENTER EXPERIENCE <b>M. Rivera</b> , R. Mendirichaga, S. Chaparro, M. Murman, V. Singh, R.N. Cardoso, G. Fernandes, M. Pardinias, S. Dickens, S. Krick University of Miami Leonard M. Miller School of Medicine, Miami, USA	090
15:45	RECURRENT PERICARDIAL EFFUSION IN A HEART TRANSPLANT RECIPIENT MANAGED WITH A PLEURX CATHETER <b>B. Louka</b> , E. Kransdorf, E. Yang, L. Lanza, O. Pajaro Mayo Clinic, Arizona, USA	091

## SATURDAY, JULY 30, 2016

14:00 – 16:45

Hall C

**S22 NEW DIRECTIONS IN CARDIOVASCULAR SURGERY: HEART VALVE SURGERY /  
CORONARY REVASCULARIZATION / MECHANICAL CIRCULATORY SUPPORT /  
CARDIAC TRANSPLANTATION (cont.)**

Abstract No.

- 16:00 TRENDS IN TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR) CHARACTERISTICS AND OUTCOMES: A SINGLE CENTER EXPERIENCE **092**  
**S. Gurevich**, E. Ruiz-Rodriguez, E. Missov, S. Garcia, T. Biring, D. Yannopolous, R. John, K. Liao, G. Raveendran, G. Helmer,  
University of Minnesota Medical Center, MN, USA
- 16:15 MARKERS OF IMPROVEMENT AFTER ECMO IMPLANTATION **093**  
**A. Rifai**, T. Yousuf, A. Tatoes, W. Cotts, G. Bhat  
Advocate Christ Medical Center, Chicago, IL, USA
- 16:30 CORRELATION OF DEMOGRAPHIC PROFILE AND CLINICAL RISK FACTORS WITH SYNTAX SCORE TO PREDICT SEVERITY OF CAD IN PATIENTS UNDERGOING CABG **094**  
**S.P. Shashidharan**, S. Banga, S. Mungee, E. Mukhopadhyay  
OSF St. Francis Medical Center, University of Illinois College of Medicine at Peoria, IL, USA
- 16:45 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

## SATURDAY, JULY 30, 2016

14:00 – 16:30

Hall D

### S23 CURRENT CONCEPTS AND FUTURE DIRECTIONS IN ISCHEMIC HEART DISEASE

Chairs: **G. Barsness**, Rochester, MN, USA  
**T. Tomaru**, Toho, Japan

Abstract No.

- 14:00 LASER STIMULATED STEM CELLS TREATMENT POST-MYOCARDIAL INFARCTION IN HUMANS: SAFETY AND FEASIBILITY STUDY **095**  
**A. Blatt**, G. Elbaz-Greener, O. Tzuman, M. Leitman, Z. Vered, U. Oron  
Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel
- 14:15 NEW IDEAS ON HYPERTENSION TREATMENT (Invited Lecture) **096**  
**C. Rosendorff**, Icahn School of Medicine at Mount Sinai, New York, NY, USA
- 14:30 SAFETY OF THE ASSOCIATION OF RANOLAZINE AND IVABRADINE FOR ANTIANGINAL TREATMENT IN STABLE CORONARY ARTERY DISEASE **097**  
**A. Lupi**, A. Schaffer, F. Mirabelli, A. Rognoni, A.S. Bongo  
AOU Maggiore della Carita', 2nd Cardiology Division, Italy
- 14:45 LEFT VENTRICULAR FUNCTION ON LV ANGIOGRAPHY – A PREDICTOR FOR EARLY DISCHARGE IN PATIENTS WITH STEMI POST-PCI **098**  
S. Banga, K. Narala, **K. Kalvakuri**, J N. Patel, S. Mungee  
University of Illinois College of Medicine at Peoria;  
OSF Saint Francis Medical Center, Peoria, Illinois, USA
- 15:00 BETA 2 GLYCOPROTEIN I PEPTIDE PROTECTS FROM CARDIAC ISCHEMIA REPERFUSION INJURY IN MICE **099**  
**G. Chen**, J.C. Weaver, P. Zhang, J. Beretov, A. Tatsuya, M. Qi, R. Bhandi, J.C. Qi, M.C. Madigan, B. Giannakopoulos, S.A. Krilis  
St George Hospital, Sydney, Australia.
- 15:15 ASSOCIATION BETWEEN CANCER AND CORONARY HEART DISEASE – NHANES 2011-2012 **100**  
**P. Agasthi**, D. Adedinsowo, A. Chaudhry, K. Sivakumar, A. Onwuanyi  
Morehouse School of Medicine, Atlanta, GA, USA
- 15:30 PREVALENCE OF ABDOMINAL AORTIC ANEURYSM IN VETERANS WITH MULTIVESSEL CORONARY ARTERY DISEASE **101**  
M. Dameron, **R. Chana**, A. Parashar, Veterans Affairs Medical Center Salem VA, USA
- 15:45 RE-EVALUATING THE ROLE OF HEART SCORE IN CHEST PAIN ADMISSIONS **102**  
**H.A. Lodhi**, H. Shafiq, S. Jampana, M. Waqas, F. Hassan, A. Shafiq  
Baptist Desoto Hospital, Southaven, MS; USA
- 16:00 THE OBESITY PARADOX ALSO OCCURS AMONG HISPANIC PUERTO RICAN PATIENTS PRESENTING WITH ACUTE CORONARY SYNDROMES **103**  
**E.J. Reyes-Aponte**, A. Lopez-Candales, O. García-Rodríguez, M. Irizarry, M. López, E. García  
University of Puerto Rico Medical Sciences Campus, San Juan, Puerto Rico, USA
- 16:15 ELEVATED TROPONINS IN A PATIENT WITHOUT MYOCARDIAL INJURY- AN INTERESTING CASE WITH MURAL THROMBUS IN THORACIC AORTA **104**  
**A. Rajabalan**, B. Bat, T. Bat, A. Elmograbhy, T. Jose, S. Patel, S. Lutton, A. Bhatti,  
Western Reserve Health Education/NEOMED, Youngstown, OH, USA
- 16:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

## SATURDAY, JULY 30, 2016

16:45 – 19:00

Hall B

### PL06 Plenary Session

#### NEW CONCEPTS IN THE PATHOGENESIS AND TREATMENT OF CORONARY ARTERY DISEASE

Chairs: **J.G. Filep**, Montreal, QC, Canada  
**J.L. Mehta**, Little Rock, AR, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 16:45 | WHAT HAPPENS TO THE BRAIN AFTER MYOCARDIAL INFARCTION? (Invited Lecture)<br><b>J.L. Mehta</b> , X. Wang<br>University of Arkansas for Medical Sciences and VA Medical Center, Little Rock, AR, USA                      | 105 |
| 17:00 | CpG DNA REGULATION OF COAGULATION: IMPLICATIONS FOR ACUTE CORONARY ARTERY DISEASE (Invited Lecture)<br><b>J.G. Filep</b><br>University of Montreal, Montreal, Quebec, Canada  | 106 |
| 17:15 | TICAGRELOR AND STATIN HAVE SYNERGISTIC EFFECTS ON MYOCARDIAL PROTECTION AGAINST ISCHEMIA-REPERFUSION INJURY (Invited Lecture)<br>Y. Ye, S. Nylander, <b>Y. Birnbaum</b><br>Baylor College of Medicine, Houston, TX, USA | 107 |
| 17:30 | ROLE OF MICROPARTICLES IN CARDIOVASCULAR CALCIFICATION (Invited Lecture)<br>J.D. Hutcheson, <b>E. Aikawa</b><br>Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA                                   | 108 |
| 17:45 | INTRAMYOCARDIAL HEMORRHAGE AFTER ACUTE MYOCARDIAL INFARCTION; PATHOGENESIS AND CLINICAL IMPLICATIONS (Invited Lecture)<br><b>N. van Royen</b><br>VU University Medical Center, Amsterdam, The Netherlands               | 109 |
| 18:00 | DIFFERENCES IN META-ANALYSES RESULTS IN CARDIAC CELL-BASED REGENERATIVE THERAPIES (Invited Lecture)<br><b>M. Gyöngyösi</b> , Medical University of Vienna, Vienna, Austria  | 110 |
| 18:15 | EVOLVING CELLULAR THERAPY IN CARDIOVASCULAR AND PERIPHERAL VASCULAR DISEASES (Invited Lecture)<br><b>R.K. Sharma</b> , R. Komatireddy, R.K. Sharma, H.K. Reddy<br>University of South Florida, Tampa Florida, USA       | 111 |
| 18:30 | ROLE OF CD4+ T-CELLS AFTER MYOCARDIAL INFARCTION (Invited Lecture)<br><b>U. Hofmann</b> , University Clinic Halle(Saale), Germany   | 112 |
| 18:45 | RISK FACTORS FOR NON-PLATELET THROMBOXANE GENERATION (Invited Lecture)<br><b>J.J. Rade</b> , N. Kakouros, S.M. Nazarian, P.B. Stadler, T.J. Kickler<br>University of Massachusetts Medical School, Worcester, MA, USA   | 113 |

## SATURDAY, JULY 30, 2016

16:45 – 18:30

Hall C

### S24 ARRHYTHMIA I: DIAGNOSIS, DRUG THERAPY, ABLATION

Chair: **D. Corrado**, Padova, Italy  
**M. LaPage**, Ann Arbor, MI, USA

Abstract No.

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|-------|--|-----|
| 16:45 | INCIDENCE OF VENTRICULAR ARRHYTHMIAS IN CYSTIC FIBROSIS PATIENTS TREATED WITH CHRONIC AZITHROMYCIN THERAPY AND OTHER QT PROLONGING DRUGS<br><b>A.K. Tripathi</b> , M. Mohammed, L. Fitzpatrick, M. Bromstedt, D. Lakkireddy, D. Polineni<br>Kansas University Medical Center, Kansas City, KS, USA | 114 |
| 17:00 | CATHETER ABLATION RELATED CORONARY OCCLUSION AND TAMPONADE - A DOUBLE HIT<br><b>N.V.K. Pothineni</b> , J. Payne, S. Kovelamudi, J. Wong, A. Deshmukh, H. Paydak<br>University of Arkansas for Medical Sciences, Little Rock, AR; USA   | 115 |
| 17:15 | DISTRIBUTION OF ADRENERGIC AND CHOLINERGIC NERVE FIBERS WITHIN INTRINSIC NERVES AT THE LEVEL OF THE HUMAN HEART HILUM<br><b>V. Petraitiene</b> , D.H. Pauza, R. Benetis<br>Medical Academy, Lithuanian University of Health Sciences, Kaunas, Lithuania  | 116 |
| 17:30 | COMPARING R2CHADS2 AND CHA2DS2VASC SCORES IN STROKE PATIENTS WITH NON-VALVULAR ATRIAL FIBRILLATION AND RENAL FAILURE<br><b>M.R. Vindhya</b> , S.R. Vindhya, T. Haneke, P. Ndunda, F. Eid, J.K. Kallail<br>KUSM - Wichita, Wichita, Kansas, USA   | 117 |
| 17:45 | LEFT ATRIAL DYSSYNCHRONY AS A PREDICTOR OF POSTOPERATIVE ATRIAL FIBRILLATION IN CANCER PATIENTS<br><b>R.A. Quintana-Quezada</b> , K.K. Vahdat, J. Song, S.W. Yusuf, A. Vaporciyan, K. Karimzad<br>The University of Texas MD Anderson Cancer Center, Houston, TX, USA                              | 118 |
| 18:00 | DOES OBESITY IMPACT THE RECURRENCE OF ATRIAL FIBRILLATION AFTER CRYOABLATION USING THE ARCTIC FRONT ADVANCE CATHETER?<br><b>A. Avezbadalov</b> , S. Pollack, A.F. Osman<br>The Heart Center of Excellence, NOVA Southeastern University, Fort Lauderdale, FL, USA                                  | 119 |
| 18:15 | SHORT PR: IT IS NOT ALWAYS WOLFF-PARKINSON-WHITE SYNDROME<br><b>P. Christia</b> , I. Katsa, J. Miles, R. Faillace<br>Albert Einstein College of Medicine Jacobi Medical Center, Bronx, NY, USA   | 120 |

## SATURDAY, JULY 30, 2016

16:45 – 19:15

Hall D

### S25 PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY, CONGENITAL HEART DISEASE

Chairs: **A. Lorber**, Haifa, Israel  
**C.S. Snyder**, Cleveland OH, USA

Abstract No.

- 16:45 VALIDATION OF AN EARLY WARNING SCORE FOR IDENTIFYING HOSPITALIZED CHILDREN AT RISK FOR CLINICAL DETERIORATION **121**  
**M.C. McLellan**; K. Gauvreau; J.A. Connor  
Boston Children's Hospital, Boston, MA, USA
- 17:00 MATERNAL EXPOSURE TO DI(2-ETHYHEXYL)PHTHALATE IMPACTS FETAL CARDIAC DEVELOPMENT **122**  
**C. Wang**, Y.F. Li, Y.F. Zhang, K.Y. Zhou, Y.M. Hua  
West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China
- 17:15 CONGENITAL HEART DISEASE IN INDIA **123**  
R. Bhardwaj, A. Kumar, D. Agrawal, **B. Mohapatra**  
Dept. of Zoology, Institute of Science, BHU, Varanasi, India
- 17:30 CLINICAL RESEARCH ON FETAL BRADYCARDIA **124**  
**K.Y. Zhou**, C. Wang, Y.F. Li, Y.M. Hua  
West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China
- 17:45 COGNITIVE REQUIREMENTS FOR AUTOMATIC EXTERNAL DEFIBRILLATOR USE: ARE WE STARTING TOO YOUNG? **125**  
**C.S. Snyder**, H. Hall  
The Congenital Heart Collaborative, Case Western Reserve University, Cleveland OH, USA
- 18:00 ASSOCIATIONS BETWEEN ABCB1 AND ABCG2 GENE POLYMORPHISMS OF CHILDREN AND ISOLATED SEPTAL DEFECTS IN A HAN CHINESE POPULATION **126**  
**C. Wang**, K.Y. Zhou, Y.F. Li, Y. Zhang, Y.M. Hua  
West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China
- 18:15 CORRELATION BETWEEN ECG ABNORMALITIES AND MARIJUANA USE IN THE PEDIATRIC POPULATION **127**  
**J.A. Robinson**, S. Somasegar, J.K. Shivapour, C.S. Snyder  
The Congenital Heart Collaborative, Rainbow Babies and Children's Hospital, Case Western Reserve University School of Medicine, Cleveland, OH, USA
- 18:30 EFFECT OF FENESTRATION ON EARLY POSTOPERATIVE OUTCOME IN PATIENTS WITH DIFFERENT RISK LEVEL UNDERGOING EXTRACARDIAC FONTAN **128**  
**F. Fan**, Q. Wang, Z.M. Liu, S.J. Li, T. Yi, J. Yan, F.X. Yan, X. Wang  
The Pediatric Cardiac Surgical Centre, Cardiovascular Institute and Fu Wai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China



## SATURDAY, JULY 30, 2016

16:45 – 19:15

Hall D

**S25 PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY, CONGENITAL HEART DISEASE  
(cont.)**

- 18:45 YIELD OF SPORTS PREPARTICIPATION CARDIOVASCULAR SCREENING IN MIDDLE AND HIGH SCHOOL STUDENTS 129  
**A. Sinha**, K.A Nguyen, A. Singh, A. Fedor, K. Mousely, S. Agrawal, M. Vikram, S. Stevens, D. Traub, S. Nanda, J. Shirani  
St. Luke's University Health Network, Bethlehem, PA, USA
- 19:00 RESOLUTION OF EARLY SECOND TRIMESTER HYDROPS FETALIS FOLLOWING TREATMENT OF FETAL TACHYCARDIA 130  
**J.A. Robinson**, J.P. Strainic, J.K. Shivapour, C.S. Snyder  
The Congenital Heart Collaborative, Rainbow Babies and Children's Hospital, Case Western Reserve University School of Medicine, Cleveland, OH, USA

## SATURDAY, JULY 30, 2016

13:30 – 18:30

Poster Hall

### P201 ECHOCARDIOGRAPHY

Board No.		Abstract No.
1	ASSESSMENT OF ASCENDING AORTIC DIAMETER BY TRANSTHORACIC ECHOCARDIOGRAPHY: AGE AND SEX SPECIFIC REFERENCE VALUES IN ADULTS WITH AND WITHOUT SYSTEMIC HYPERTENSION G. Kumar, <b>C. Ayoub</b> , P. Thapa, F.A. Miller, P.C. Spittell Emory University School of Medicine, Atlanta, GA, USA	131
2	LARGE CARDIAC HAMARTOMA: CHARACTERIZATION OF MASS AND MANAGEMENT WITH IMAGING <b>C. Ayoub</b> , S.A. Luis, J. Maleszewski, P. Pellikka Mayo Clinic, Rochester, MN, USA	132
3	MERCILESS, METASTATIC, MALIGNANCY TO THE HEART: CASE OF PULMONARY SARCOMATOID ADENOCARCINOMA <b>H. Narayanasamy</b> , T. Naqvi, S.M. Wilansky Mayo Clinic, Arizona, USA	133
4	CORRELATION OF 2D AND 3D ECHOCARDIOGRAPHIC LEFT VENTRICULAR EJECTION FRACTIONS AMONG PATIENTS WITH ACUTE CORONARY SYNDROME <b>J. Salvanera</b> , I. Bundalian, R. Ramboyoung The Medical City, Pasig City, Philippines	134
5	A CASE OF INFERIOR VENA CAVA MASS ON ECHOCARDIOGRAPHY <b>A. Quddus</b> , A. Smith, M. Mchlane, S. Agrawal, A. Singh, S. Longo, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA	135
6	A GIANT LEFT ATRIAL MASS: NOT A MYXOMA C. Gallegos, V. Singh, <b>M. Rivera-Maza</b> , R. Colombo, R.C. Hendel, University of Miami, Miller School of Medicine, FL, USA	136
<b>P202 NOVEL DIAGNOSTIC METHODS AND IMAGING TECHNIQUES</b>		
7	IMPACT OF DIABETES MELLITUS ON SUBCLINICAL ATHEROSCLEROSIS IN ASYMPTOMATIC INDIVIDUALS <b>J.A. Ryu</b> , G.M. Park, D.W. Kim, T.S. Kim, C.J. Kim, J.S. Cho, M.W. Park, S.H. Her, J.B. Kwon Daejeon St. Mary's Hospital, the Catholic University of Korea, Seoul, Korea	137
8	IS NON-INVASIVE MEASUREMENT OF CARDIAC OUTPUT USING ELECTRICAL CARDIOMETRY IN PATIENTS WITH AORTIC STENOSIS A RELIABLE METHOD? P. Teefy, R. Bagur, K. Karimi-Shahri, J. Teefy, R. Sule, C. Phillips, <b>K. Norozi</b> Western University, London, ON, Canada	138
9	IMPACT OF INITIAL FUNCTIONAL EVALUATION COMPARED WITH INVASIVE ANGIOGRAPHY FOR STABLE CORONARY ARTERY DISEASE <b>G.S. Jung</b> , S.Y. Oh, G.M. Park, D.W. Kim, T.S. Kim, C.J. Kim, J.S. Cho, M.W. Park, S.H. Her, J.B. Kwon Daejeon St. Mary's Hospital, the Catholic University of Korea, Seoul, Korea	139

## SATURDAY, JULY 30, 2016

13:30 – 18:30

Poster Hall

### P202 NOVEL DIAGNOSTIC METHODS AND IMAGING TECHNIQUES (cont.)

Board No.		Abstract No.
10	THE EFFECT OF NEGATIVE CARDIAC NUCLEAR STRESS ON EMERGENCY-ROOM VISIT AND READMISSION FOR CHEST PAIN S. Talebi, O. Zaher, <b>H. Reyes</b> , O. Olatunde, F. Visco, G. Pekler New York Medical College - Metropolitan Hospital Center, New York, NY, USA	140
11	MULTIMODALITY APPROACH IN PERCUTANEOUS INTERVENTION OF RENAL ARTERY FIBROMUSCULAR DYSPLASIA IN AN 80-YEAR OLD FEMALE <b>N. Katta</b> , P. Velagapudi, M. Mittal, H. Agrawal, A. Kumar University of Missouri School of Medicine, Columbia, MO, USA	141
12	THE PANTYHOSE PROJECT <b>D.A. Bloomfield</b> , F. Rotatori Richmond University Medical Center, Staten Island, New York, USA	142
13	THE EFFICACY OF SONOGRAPHIC MEASUREMENT OF INFERIOR VENA CAVA DIAMETER AS AN ESTIMATE OF CENTRAL VENOUS PRESSURE <b>W. Ciozda</b> , I. Kedan, R. Khandwalla, R. Zimmer, A. Kimchi David Geffen School of Medicine, University of California, Los Angeles, California, USA	143
14	INCIDENTAL FINDING OF INTERVENTRICULAR MEMBRANOUS SEPTAL ANEURYSM IN A PATIENT WITH SUPRAVENTRICULAR TACHYCARDIA <b>F. Elmi</b> , M. Sharma, B. Ganguly Drexel University College of Medicine, Philadelphia, PA, USA	144
<b>P203 CARDIOVASCULAR DISEASE: PROGNOSIS, RISK ASSESSMENT</b>		
15	UTILITY OF SIGNAL-AVERAGED HOLTHER ELECTROCARDIOGRAM AFTER PILSICAINIDE PROVOCATION FOR RISK STRATIFICATION IN BRUGADA SYNDROME <b>J. Kakihara</b> , M. Takagi, Y. Hayashi, H. Tatsumi, A. Doi, K. Sugioka, M. Yoshiyama Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka, Japan	145
16	THE IMPACT OF SOCIOECONOMIC HEALTH DISPARITIES IN CONGESTIVE HEART FAILURE IN OUT PATIENT MANAGEMENT A CASE SERIES RETROSPECTIVE ANALYSIS OF DIAGNOSED CASES <b>R. Patel</b> , A. Patel, M. Singh, M.D. Dao, B. Hussain, K. George Clinical Trial Network, Houston, TX, USA	146

## SATURDAY, JULY 30, 2016

13:30 – 18:30

Poster Hall

### P204 NEW INSIGHTS INTO PATHOGENESIS AND MANAGEMENT OF HEART FAILURE

Board No.		Abstract No.
17	COMPARABLE LONG-TERM PROGNOSIS AFTER THE CHANGE FROM ANGIOTENSIN-CONVERTING ENZYME INHIBITOR TO ANGIOTENSIN RECEPTOR BLOCKER IN ACUTE MYOCARDIAL INFARCTION <b>H.Y. Kim</b> , S.M. Lim, K.Y. Chang, W.S. Chung, K.B. Seung The Catholic University of Korea, Seoul, Korea	147
18	THE EFFECT OF INTRAHEPATIC CHOLESTASIS OF PREGNANCY ON THE EXPRESSION AND FUNCTIONALITY OF PLACENTAL P-GLYCOPROTEIN IN MICE: IMPLICATIONS IN THE INDIVIDUALIZED TRANSPLENTAL DIGOXIN TREATMENT FOR FETAL HEART FAILURE <b>C. Wang</b> , Y.M. Hua, Y. Zhang, Y.F. Li, K.Y. Zhou West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China	148
19	SODIUM TANSINONE IIA SULFONATE AND SODIUM DANSHENSU OPEN THE PLACENTAL BARRIER THROUGH DOWN-REGULATION OF PLACENTAL P-GLYCOPROTEIN IN MICE: IMPLICATIONS IN THE TRANSPLENTAL DIGOXIN TREATMENT FOR FETAL HEART FAILURE <b>C. Wang</b> , K.Y. Zhou, Y.F. Li, Y.F. Zhang, Y.M. Hua West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China	149
<b>P205 MISCELLANEOUS</b>		
20	ASSESSING THE COMPETENCY OF INTERNAL MEDICINE RESIDENTS IN ELECTROCARDIOGRAM INTERPRETATION <b>A. Kodra</b> , T. Rambhatla, S. Patel, N. Coplan Lenox Hill Hospital, New York, NY, USA	150
21	A LARGE MASS OBLITERATING THE RIGHT VENTRICLE: A TUMOR OR A THROMBUS? <b>S. Patnaik</b> , M. Shah, S. Sharm, H. Seetha Rammohan, A. Rubin Albert Einstein Medical Center, Philadelphia, PA, USA	151
22	ASSESSMENT THE ROLE OF CORONARY CLEARANCE FRAME COUNT IN PATIENTS WITH CARDIAC SYNDROME X <b>E. Yildirim</b> , U.C. Yuksel, B. Bugan, M. Celik, M. Koklu, S. Gormel, H.K. Kabul, C. Barcin Gulhane Military Medical Academy, Department of Cardiology, Ankara, Turkey	152
23	MULTI-CHAMBER CARDIAC EMBOLUS DETECTED WITH MULTI-MODAL IMAGING <b>V. Tavakoli</b> , R. Grodman, J. Nfonoyim, A.R. Chaudery, V. Pandian Richmond University Medical Center, New York, NY, USA	153
24	CARDIOVASCULAR DISEASE IS ASSOCIATED WITH AN INCREASED RISK OF FRAILITY IN ELDERLY RESIDENTS OF A LONG-TERM CARE FACILITY <b>C.J. Hsieh</b> , N.F. Miao National Taipei University of Nursing and Health Sciences, Taipei, Taiwan	154

## SATURDAY, JULY 30, 2016

13:30 – 18:30

Poster Hall

**P205 MISCELLANEOUS (cont.)**

Board No.		Abstract No.
25	<p>PSEUDOHYPONATREMIA CAUSED BY LIPOPROTEIN X IN OBSTRUCTIVE BILIARY CHOLESTASIS SECONDARY TO PANCREATIC CANCER <b>K. Anouti</b>, J. Clark, M. Maalouf, E. Gnall, T. Phiambolis, T. Shapiro Lankenau Medical Center, Wynnewood, PA, USA</p>	155
26	<p>CARDIAC TUBERCULOMA PRESENTING AS THROMBOTIC THROMBOCYTOPENIC PURPURA-HEMOLYTIC UREMIC SYNDROME <b>E.A. Christian</b>, R.M. Mehta, R.N. Khouzam University of Tennessee Health Sciences Center, Memphis, TN, USA</p>	156
27	<p>A CASE REPORT OF CELIAC GANGLION BLOCK IN POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME <b>H.Y. Mistry</b>, S.E. Hamid, A. Suleman The Heartbeat Clinic, McKinney, Texas, USA</p>	157
28	<p>LARGE HEPATIC CYST AND PATENT FORAMEN OVALE: UNUSUAL COMBINATION PRODUCING PLATYPNEA-ORTHODEOXIA SYNDROME <b>B.A. Foreman</b>, J Hansen Penn State Hershey Medical Center/College of Medicine, Hershey, PA, USA</p>	158
29	<p>USE OF HIGH FREQUENCY PERCUSSIVE VENTILATOR AS BRIDGE TO ORGAN PROCUREMENT: LIFE GOES ON <b>F. Benn</b>, A. Ashwad, I. Gulkarov, B. Fahoum, F. Khusid, M. Majumder New York Methodist Hospital, Brooklyn NY USA</p>	159





INTERNATIONAL  
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CARDIOLOGY

INTERNATIONAL ACADEMY OF CARDIOLOGY  
ANNUAL SCIENTIFIC SESSIONS 2016  
21st WORLD CONGRESS ON  
**HEART DISEASE**

BOSTON, MA, USA, JULY 30-AUGUST 1, 2016

SCIENTIFIC  
PROGRAM

Sunday, July 31, 2016

SCIENTIFIC PROGRAM







## SUNDAY, JULY 31, 2016

08:30 – 10:30

Hall A

### PL07 Plenary Session

#### AORTIC ANEURYSMS AND PERIPHERAL VASCULAR DISEASE: PATHOGENESIS, DIAGNOSIS AND TREATMENT

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

Abstract No.

- |       |   |     |
|-------|---|-----|
| 08:30 | ASTHMA AS A RISK FACTOR OF HUMAN AND EXPERIMENTAL ABDOMINAL AORTIC ANEURYSM (Invited Lecture)<br>C-L. Liu, H. Wemmelund, J.S. Lindholt, A. Daugherty, B.D. Levy, P. Libby, <b>G-P. Shi</b><br>Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA  | 160 |
| 08:45 | CXCR6/CXCL16 AXIS IS INVOLVED IN MONONUCLEAR CELL ADHESION INDUCED BY ANGIOTENSIN II, POTENTIAL IMPLICATION IN ABDOMINAL AORTIC ANEURYSM (AAA) FORMATION? (Invited Lecture)<br><b>M.J. Sanz</b> , A. Collado, P. Escudero, C. Rius, P. Marques, L. Piqueras<br>Faculty of Medicine, University of Valencia, Valencia, Spain | 161 |
| 09:00 | THE CENTRAL ROLE OF SMOOTH MUSCLE CELL MITOCHONDRIA IN THE PREVENTION OF ABDOMINAL AORTIC ANEURYSM BY LOW LEVEL LASER THERAPY (Invited Lecture)<br>L. Gavish, R. Beerli, D. Gilon, C. Rubinstein, Y. Berlatzky, <b>S.D. Gertz</b><br>The Hebrew University of Jerusalem and Hadassah University Hospital, Jerusalem, Israel | 162 |
| 09:15 | WHAT IS THE PROGRESS WITH TREATMENTS FOR SMALL ABDOMINAL AORTIC ANEURYSMS? (Invited Lecture)<br><b>J. GollEDGE</b><br>James Cook University, School of Medicine Townsville, Queensland, Australia   | 163 |
| 09:30 | WHOLE EXOME SEQUENCE FOR THORACIC AORTIC ANEURYSMS (Invited Lecture)<br>B.A. Ziganshin, A.E. Bailey, C. Coons, D. Dykas, P. Charilaou, L.H. Tanriverdi, L. Liu, M. Tranquilli, A.E. Bale, <b>J.A. Eleftheriades</b><br>Yale University School of Medicine, New Haven, CT, USA   | 164 |
| 09:45 | DILATING VENOUS DISEASE: PATHOPHYSIOLOGY AND A SYSTEMATIC ASPECT TO DIFFERENT VASCULAR TERRITORIES (Invited Lecture)<br><b>E. Yetkin</b> , International Medical Center, Mersin, Turkey   | 165 |
| 10:00 | MANAGEMENT OF VENOUS THROMBOEMBOLISM (Invited Lecture)<br><b>T. Tomaru</b> , T. Matsubara, E. Matsubara, S. Kodera<br>Toho University Sakura Hospital, Sakura, Japan  | 166 |
| 10:15 | THE 2016 BEST TOOL FOR PERIPHERAL VASCULAR INTERVENTION (Invited Lecture)<br><b>S.M. Butman</b><br>Verde Valley Medical Center, Cottonwood, AZ, Banner University Medical Center, Tucson, AZ, USA   | 168 |
| 10:30 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION  |     |

## SUNDAY, JULY 31, 2016

08:30 – 11:15

Hall B

**PL08 Plenary Session**

**ATHEROSCLEROSIS: FROM BASIC MECHANISMS TO NOVEL OPPORTUNITIES FOR INTERVENTIONS**

Chairs: **C. Chen**, Houston, TX, USA  
**T. Malinski**, Athens, OH, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 08:30 | NOVEL REGULATION OF VASCULAR CALCIFICATION (Invited Lecture)<br><b>Y. Chen</b> , University of Alabama at Birmingham, Birmingham, AL, USA  | 169 |
| 08:45 | PREVENTION AND INTERFERENCE OF ATHEROSCLEROTIC HEART DISEASE IN MULTIPLE ANIMAL MODELS (Invited Lecture)<br><b>S. Chatterjee</b> , D. Bedja, S. Mishra, C. Amuzie, C.A. Foss, M.G. Pomper, R. Bhattacharaya, K.J. Yarema<br>Johns Hopkins University, Baltimore, MD, USA         | 170 |
| 09:00 | GLYCOSAMINOGLYCANS (GAGS) IN CARDIOVASCULAR DISEASE: SEARCHING FOR THE SWEET SPOT (Invited Lecture)<br><b>A. Lucas</b> , University of Florida, Gainesville, FL, USA   | 171 |
| 09:15 | OXIDATIVE STRESS AND ENDOTHELIAL DYSFUNCTION (Invited Lecture)<br><b>C. Chen</b> , J. Lu, Q. Yao<br>Baylor College of Medicine, Houston, TX, USA   | 172 |
| 09:30 | A NANOMEDICAL APPROACH TO THE RESTORATION OF DYSFUNCTIONAL ENDOTHELIUM AND THE FUNCTION OF THE CARDIOVASCULAR SYSTEM (Invited Lecture)<br><b>T. Malinski</b> , S. Awad, H. Dawoud, Ohio University, Athens, OH, USA  | 173 |
| 09:45 | EFFECT OF ENDOTHELIAL CELL SENESENCE ON THE HEAT SHOCK RESPONSE AND CELLULAR FUNCTION (Invited Lecture)<br><b>A.A. Knowlton</b> , H.T. Hwang<br>Sacramento VA Medical Center, Mather, CA USA and University of California, Davis, CA, USA  | 174 |
| 10:00 | INVOLVEMENT OF STROMAL INTERACTION MOLECULE-1 IN ANGIOTENSIN-II-INDUCED EXPRESSION OF EARLY GROWTH RESPONSE PROTEIN-1 IN VASCULAR SMOOTH MUSCLE CELLS (Invited Lecture)<br>E.R. Simo-Cheyrou, <b>A.K. Srivastava</b><br>CRCHUM, University of Montreal, Montreal, Quebec, Canada | 175 |
| 10:15 | MICRORNA REGULATION OF ENDOTHELIAL INFLAMMATION AND ATHEROSCLEROSIS (Invited Lecture)<br><b>M. Feinberg</b><br>Brigham and Women's Hospital, Boston, MA, and Harvard Medical School, Boston, MA, USA   | 176 |
| 10:30 | IMPACT OF REACTIVE OXYGEN SPECIES ON CORONARY ARTERIAL REMODELING - A COMPARATIVE INTRAVASCULAR ULTRASOUND AND HISTOCHEMICAL ANALYSIS OF ATHEROSCLEROTIC LESIONS (Invited Lecture)<br><b>M. Terashima</b><br>Toyohashi Heart Center, Toyohashi, Japan                            | 177 |

## SUNDAY, JULY 31, 2016

08:30 – 11:15

Hall B

**PL08 Plenary Session**  
**ATHEROSCLEROSIS: FROM BASIC MECHANISMS TO NOVEL OPPORTUNITIES FOR INTERVENTIONS (cont.)**

Abstract No.

- 10:45 MOLECULAR MECHANISMS OF VASCULAR DYSFUNCTION AND ATHEROSCLEROSIS REGULATED BY HEMODYNAMICS FORCES (Invited Lecture) **178**  
**Z-G. Jin**  
University of Rochester School of Medicine and Dentistry, Rochester, NY, USA
- 11:00 ADAR1-MEDIATED RNA EDITING, A NOVEL MECHANISM CONTROLLING VASCULAR SMOOTH MUSCLE PHENOTYPIC MODULATION (Invited Lecture) **179**  
J. Fei, X.B. Cui, K. Dong, **S.Y. Chen**  
University of Georgia, Athens, GA, USA

08:30 – 10:15

Hall C

**S26 CARDIOVASCULAR IMAGING MODALITIES FOR EVALUATION OF CORONARY CIRCULATION, CARDIAC STRUCTURE AND FUNCTION**

Chairs: **Y. Charuzi**, Los Angeles, CA, USA  
**P.A. Pellikka**, Rochester, MN, USA

- 08:30 ATRIAL FIBRILLATION INFLUENCES RIGHT ATRIAL PRESSURE ESTIMATION BY HAND HELD ULTRASOUND ASSESSMENT OF THE VENA CAVA **180**  
**D.W. Kehl**, R. Zimmer, G. Sheth, S.R. Shadix, R. Khandwalla, I. Kedan  
Cedars-Sinai Medical Center, Los Angeles, CA, USA
- 08:45 NEW SOFTWARE BASED BEAMFORMING ALGORITHM IS SUPERIOR TO HARDWARE BASED BEAMFORMER IN ENDOCARDIAL BORDER DETECTION **181**  
**R.A. Kulina**, B. Wiley, S. Agarwal, A. Traube, S. Ka, S. Schiller, L. Clark, J. Narula, P. Sengupta, F. Chaudhry  
Icahn School of Medicine at Mount Sinai, New York, NY, USA
- 09:00 A MIXED TREATMENT ANALYSIS COMPARING THE EFFICACIES OF IVABRADINE VERSUS BETA BLOCKERS WHEN USED AS PREMEDICATION FOR HEART RATE REDUCTION IN COMPUTED TOMOGRAPHY CORONARY ANGIOGRAPHY **182**  
**S. Dayanand**, J.M. Martinez  
University of Central Florida, Kissimme, FL, USA
- 09:15 THE ROLE OF ECHOCARDIOGRAPHY IN THE MANAGEMENT OF PATIENTS UNDERGOING VENTRICULAR ASSIST DEVICE IMPLANTATION AND/OR TRANSPLANT SURGERY (Invited Lecture) **183**  
**T.S. Kato**, Juntendo University School of Medicine, Bunkyo-ku, Tokyo, Japan

## SUNDAY, JULY 31, 2016

08:30 – 10:15

Hall C

### S26      **CARDIOVASCULAR IMAGING MODALITIES FOR EVALUATION OF CORONARY CIRCULATION, CARDIAC STRUCTURE AND FUNCTION (cont.)**

Abstract No.

- 09:30      COST EFFECTIVENESS OF CORONARY CT ANGIOGRAPHY IN PATIENTS WITH LOW RISK FOR CORONARY ARTERY DISEASE (CAD) AT A TERTIARY CARE CENTER      **184**  
**K. Kalvakuri**, S. Banga, S. Singh, W. Keattiyotat, M.F. Malik  
University of Illinois College of Medicine at Peoria, Illinois, USA
- 09:45      HYPEREMIC INSTANTANEOUS WAVE-FREE RATIO PROVIDES THE HEMODYNAMIC OUTCOME FOR MODERATE TO SEVERE CORONARY ARTERY STENOSES      **185**  
Y. Kanamori, **R. Aikawa**  
Kuwana City Medical Center, Japan
- 10:00      GLOBAL LONGITUDINAL STRAIN AS A PREDICTOR OF MAJOR ADVERSE EVENTS IN ESRD PATIENTS WITH PRESERVED EJECTION FRACTION      **186**  
**S. Furlan**, F. Abdelmalak, E. Donath, R. Chait  
University of Miami, Palm Beach Regional Campus, Atlantis, FL, USA
- 10:15      COFFEE BREAK, VISIT POSTERS AND EXHIBITION

08:30 – 11:00

Hall D

### S27      **ADVANCES IN HEART FAILURE, CARDIOMYOPATHIES AND PULMONARY HYPERTENSION**

Chairs:      **Y. Birnbaum**, Houston, TX, USA  
              **A.M. Gerdes**, Old Westbury, NY, USA

- 08:30      PULMONARY AND HEMODYNAMIC RESPONSES TO FRUCTOSE-1,6-DIPHOSPHATE (FDP) IN PATIENTS WITH ACUTE LUNG INJURY (ALI)      **187**  
**A.K. Markov**, T.N. Skelton  
University of Mississippi School of Medicine Department of Medicine, Jackson, MS, USA
- 08:45      MORTALITY OF PULMONARY EMBOLISM TREATED WITH SYSTEMIC OR INTRAPULMONARY THROMBOLYSIS: A SINGLE CENTER, 10-YEAR RETROSPECTIVE STUDY      **188**  
**S. Udae**, J. Cholteesupachai, S. Srimahachota  
King Chulalongkorn Memorial Hospital, Chulalongkorn University, Bangkok, Thailand
- 09:00      SHORT TERM LOW DOSE ATORVASTATIN THERAPY IMPROVES ENDOTHELIAL DYSFUNCTION IN NORMOLIPIDEMIC PATIENTS WITH PRESERVED EJECTION FRACTION HEART FAILURE      **189**  
S. Yazdankhah, S.H. Majidi, **M.H Adel**, A. Karadooni, H. Karbalivand, M. Maghsoodi, A. Rouhizadeh  
Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Khuzestan

## SUNDAY, JULY 31, 2016

08:30 – 11:00

Hall D

S27	ADVANCES IN HEART FAILURE, CARDIOMYOPATHIES AND PULMONARY HYPERTENSION (cont.)	Abstract No.
09:15	A COMPARATIVE ANALYSIS OF CHRONIC HEART FAILURE IN A PREDOMINANT AFRICAN-AMERICAN POPULATION <b>D. Brito</b> , E. Ladron-Franco, T. Alnabelsi, J. Penalver, A. Macedo-Dias, H.D. Hares, B. Bozorgnia Department of Internal Medicine, Einstein Medical Center, Philadelphia, PA, USA	190
09:30	DOXORUBICIN-INDUCED CARDIOMYOPATHY IN CHRONIC LYMPHOCYTIC LEUKEMIA AND RICHTER'S TRANSFORMATION: DEVELOPMENT OF HEART FAILURE WITH SYSTOLIC AND DIASTOLIC DYSFUNCTION <b>S.H. Wan</b> , R.L. Frye, Mayo Clinic, Rochester, MN, USA	191
09:45	PRENATAL TRANS-PLACENTAL DIGOXIN THERAPY FOR FETAL HEART FAILURE: A COHORT STUDY <b>K.Y. Zhou</b> , C. Wang, Y.F. Li, Y.M. Hua West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China	192
10:00	PATIENT PERCEPTIONS ABOUT A HOSPITAL-AT-HOME MODEL OF CARE FOR DECOMPENSATED HEART FAILURE <b>T. Rahman</b> , Q. Ibrahim, H. Van Spall McMaster University, Department of Medicine, Hamilton, ON, Canada	193
10:15	A CASE OF TUBERCULOUS PERICARDITIS MIMICKING LUPUS CARDITIS <b>C. Panagiota</b> , I. Katsa, J. Miles, R. Faillace Albert Einstein College of Medicine Jacobi Medical Center, Bronx, NY, USA	194
10:30	CLINICAL CHARACTERISTICS OF TAKOTSUBO CARDIOMYOPATHY IN THAILAND <b>A. Ardjnaphai</b> , J. Chaipromprasit Division of Cardiovascular Medicine, King Chulalongkorn Memorial Hospital, Bangkok, Thailand	195
10:45	EMBOLIC PARADOX: WHEN TWO WRONGS MAKE A RIGHT <b>V. Tavakoli</b> , R. Bindu, C. Philip, R. Grodman, D. Bloomfield Richmond University Medical Center, Staten Island, NY, USA	196
11:00	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

**PL09 Plenary Session****VALVULAR, STRUCTURAL AND CONGENITAL HEART DISEASE: NEW CHALLENGES AND NEW DIRECTIONS**

Chairs: **J.S. Borer**, New York, NY, USA  
**L.P. Perrault**, Montreal, QC, Canada

Abstract No.

- |       |  |     |
|-------|--|-----|
| 11:15 | MITRAL INTERVENTION IN CABG PATIENTS: IS LESS EVER MORE?<br>(Invited Lecture)<br><b>L.P. Perrault</b><br>Montreal Heart Institute, East, Montreal, QC, Canada  | 197 |
| 11:30 | VALVULAR HEART DISEASES 2016: EPIDEMIOLOGY AND IMPACT OF INTERVENTIONS (Invited Lecture)<br><b>J.S. Borer</b> , P.G. Supino<br>SUNY Downstate, New York, NY, USA   | 198 |
| 11:45 | LOW GRADIENT SEVERE AORTIC STENOSIS: ECHO FEATURES AND CLINICAL SIGNIFICANCE (Invited Lecture)<br><b>P.A. Pellikka</b><br>Mayo Clinic, Rochester, MN, USA  | 199 |
| 12:00 | ATRIAL FUNCTIONAL MITRAL REGURGITATION: THE LEFT ATRIUM GETS ITS DUE RESPECT (Invited Lecture)<br><b>B.D. Hoit</b><br>University Hospitals Case Medical Center, Case Western Reserve University, Cleveland, OH, USA                          | 200 |
| 12:15 | OSTEOGENIC DIFFERENTIATION IS A MECHANISM FOR BIOPROSTHETIC VALVE CALCIFICATION (Invited Lecture)<br><b>N.M. Rajamannan</b><br>Mayo Clinic, Rochester, MN, USA   | 201 |
| 12:30 | AVOIDING AND SOLVING COMPLICATIONS DURING PERCUTANEOUS CLOSURE OF ASD (Invited Lecture)<br><b>A. Lorber</b><br>Rambam Medical Campus, Haifa, Israel  | 203 |
| 12:45 | INCREMENTAL VALUE OF MRI IN STAGING THE SEVERITY OF AORTIC STENOSIS<br><b>M. Katayama</b> , P.M. Panse, C.B. Kendall, J.R. Daniels, J.P. Sweeney, F.D. Fortuin, M. Belohlavek, H.P. Chaliki<br>Mayo Clinic, Scottsdale, AZ, USA              | 204 |
| 13:00 | IMPACT OF PREOPERATIVE PULMONARY ARTERIAL HYPERTENSION ON OUTCOME OF MITRAL VALVE REPLACEMENT<br><b>M.A. Gebrie</b> , N. Ahmed, A. Rungatscher, G.B. Luciani, G. Faggian<br>Division of Cardiac Surgery, University of Verona, Verona, Italy | 205 |

## SUNDAY, JULY 31, 2016

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11:15 – 13:30 Hall A

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**PL09 Plenary Session**  
**VALVULAR, STRUCTURAL AND CONGENITAL HEART DISEASE: NEW CHALLENGES AND NEW DIRECTIONS (cont.)**

Abstract No.

- 13:15 EARLY OUTCOMES AFTER THE COMMANDO PROCEDURE: DOUBLE VALVE REPLACEMENT AND RECONSTRUCTION OF INTERVALVULAR FIBROSA 206  
**D.A. Steimer**, T. Chamogeorgakis, J.C. MacHannaford, A. Rafael, S.R. Malyala, G.V. Gonzalez-Stawinski, B. Lima  
Baylor University, Dallas, TX, USA
- 13:30 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

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11:15 – 13:45 Hall B

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**PL10 Plenary Session**  
**ATRIAL FIBRILLATION AND SUPRAVENTRICULAR TACHYCARDIA: FROM MECHANISMS TO MANAGEMENT**

Chairs: **M.A. Alpert**, Columbia, MO, USA  
**T. Deneke**, Bad Neustadt, Germany

- 11:15 ASYMPTOMATIC ACUTE COMPLICATIONS OF ATRIAL FIBRILLATION ABLATION USING IRRIGATED RADIOFREQUENCY TECHNOLOGY (Invited Lecture) 207  
**T. Deneke**, P. Halbfaß, P. Müller, G. Szöllösi, M. Roos, J. Krug, A. Schade, A. Müller, F. Fochler, K. Nentwich  
Cardiovascular Center Bad Neustadt, Germany
- 11:30 ANTI-THROMBOTIC THERAPY FOR ATRIAL FIBRILLATION IN PATIENTS WITH CHRONIC KIDNEY DISEASE: CURRENT VIEWS (Invited Lecture) 208  
**M.A. Alpert**  
University of Missouri, Columbia, MO, USA
- 11:45 COMPLICATIONS AFTER RADIOFREQUENCY ABLATION OF ATRIAL FIBRILLATION: ATRIAL-ESOPHAGEAL AND PERICARDIOESOPHAGEAL FISTULAS (Invited Lecture) 209  
**K. Seidl**  
Klinikum-Ingolstadt, Germany
- 12:00 THE MOST COST EFFECTIVE APPROACH TO RISK ASSESSING PATIENTS WITH WOLFF-PARKINSON-WHITE SYNDROME (Invited Lecture) 210  
**C.S. Snyder**  
The Congenital Heart Collaborative, Case Western Reserve University, Cleveland OH, USA

## SUNDAY, JULY 31, 2016

11:15 – 13:45

Hall B

### PL10 Plenary Session

#### ATRIAL FIBRILLATION AND SUPRAVENTRICULAR TACHYCARDIA: FROM MECHANISMS TO MANAGEMENT (cont.)

Abstract No.

- 12:15 CARDIAC AUTONOMIC NERVE STIMULATION AND ATRIAL FIBRILLATION: EFFECT OF IN VIVO SIMULTANEOUS SYMPATHETIC AND VAGAL EXCITATION (Invited Lecture) **211**  
**Y. Zhang**  
Cleveland Clinic, Cleveland, OH, USA, New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA
- 12:30 METABOLOMIC PROFILING IN RELATION TO NEW-ONSET ATRIAL FIBRILLATION IN THE COMMUNITY: THE FRAMINGHAM HEART STUDY **212**  
**D. Ko**, E.M. Riles; E.G. Marcos; J.W. Magnani; S.A. Lubitz; H. Lin; M.T. Long; R.B. Schnabel; D.D. McManus; P.T. Ellinor; V.S. Ramachandran; T.J. Wang; R.E. Gerszten; E.J. Benjamin; X. Yin; M. Rienstra  
Boston Medical Center, Boston University School of Medicine, Boston, MA; USA
- 12:45 TEMPORAL TRENDS IN PREVALENCE OF COMORBIDITIES IN ATRIAL FIBRILLATION PATIENTS ADMITTED WITH FIRST ISCHEMIC STROKE **213**  
**S. Agrawal**, L. Garg, N. Maheshwari, D. Mohananey, A. Singh, A. Sinha, A. Quddus, S. Nanda, J. Shirani  
St. Luke's University Health Network, Bethlehem, PA, USA
- 13:00 COLCHICINE VERSUS PLACEBO FOR PREVENTION OF POST-PROCEDURAL ATRIAL FIBRILLATION: A SYSTEMATIC REVIEW AND META-ANALYSIS **214**  
**O. Kreidieh**, M. Kabach, S. El Dassouki, J. Martinez, R. Rosenstein, R. Chait  
University of Miami Miller, Palm Beach Regional Campus, Atlantis, Florida, USA
- 13:15 GASTROINTESTINAL BLEEDING PROPHYLAXIS IN ATRIAL FIBRILLATION PATIENTS RECEIVING DABIGATRAN **215**  
T. Nantsupawat, S. Soontrapa, N. Nantsupawat, S. Klomjit, **P. Tantrachoti**, D. Sotello, H. Mazek, A.P. Perez-Verdia  
Texas Tech University Health Sciences Center, Lubbock, TX, USA
- 13:30 IMPACT OF CHA<sub>2</sub>DS<sub>2</sub>VASC SCORE ON ATRIAL FIBRILLATION DETECTION IN PATIENTS WITH CRYPTOGENIC STROKE **216**  
**A. Abichandani**, D. Signarovitz, K. Branch, D. Prutzman, S. Agrawal, L. Sadowski, S. Stevens, D. Traub, J. Shirani, S. Nanda  
St. Luke's University Health Network, Bethlehem, PA, USA
- 13:45 LUNCH BREAK, VISIT POSTERS AND EXHIBITION



## SUNDAY, JULY 31, 2016

11:15 – 13:30

Hall C

### S28      **CARDIOVASCULAR DISEASE: PREVENTION AND RISK FACTORS**

Chairs:    **C.H. Hennekens**, Boca Raton, FL, USA  
              **N.D. Wong**, Irvine, CA, USA

Abstract No.

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|-------|---|-----|
| 11:15 | STATIN CANDIDATES IN “PRIMARY PREVENTION” DOUBLES WITH THE “ACC/AHA GUIDELINE ON THE TREATMENT OF BLOOD CHOLESTEROL TO REDUCE ATHEROSCLEROTIC CARDIOVASCULAR RISK”: COMPARISON OF TWO AMERICAN GUIDELINES IN TURKISH POPULATION<br><b>C. Barcin</b> , F. Bayram, A. Sonmez, C. Gokce, K. Gundogan<br>Gulhane Military Medical Academy, Ankara, Turkey | 217 |
| 11:30 | ASSESSING THE CARDIOVASCULAR HEALTH BEHAVIORS OF COLLEGE STUDENTS<br><b>M. Granieri</b> , J.P. Cordova, A. Koulova, C. Bavishi, S. Trignano, J.E. Tamis-Holland<br>Mount Sinai St. Luke’s Hospital, NY, USA   | 218 |
| 11:45 | HOW EFFECTIVE IS LIFESTYLE INTERVENTION IN WEIGHT MANAGEMENT AND DEPRESSION IN ADULTS WITH METABOLIC SYNDROME<br><b>Q. Wang</b> , S.Y. Chair, E.M.L. Wong<br>The Nethersole School of Nursing, Faculty of Medicine, The Chinese University of Hong Kong   | 219 |
| 12:00 | UPDATE ON ASPIRIN IN THE PRIMARY PREVENTION OF CARDIOVASCULAR DISEASE<br><b>C.H. Hennekens</b><br>Florida Atlantic University, Boca Raton, FL, USA  | 220 |
| 12:15 | EFFICACY OF A CARDIOVASCULAR BEHAVIORAL INTERVENTION PROGRAM ON PROGRESSION OF ATHEROSCLEROSIS<br><b>N.D. Wong</b> , A. Eisenberg, J. Cecere, C. Patao, H. Eisenberg<br>University of California, Irvine, CA, USA   | 221 |
| 12:30 | THE EFFECT OF SELF-MONITORING OF BLOOD PRESSURE ON MEDICATION ADHERENCE AND LIFESTYLE FACTORS: SYSTEMATIC REVIEW, META-ANALYSIS AND QUALITATIVE INTERVIEWS<br>B.R. Fletcher, <b>J. Hartmann-Boyce</b> , L. Hinton, R.J. McManus<br>University of Oxford, Oxford, UK   | 222 |
| 12:45 | CAROTID INTIMA MEDIA THICKNESS MEASUREMENT PROMISES TO IMPROVE CARDIOVASCULAR RISK EVALUATION IN HEAD AND NECK CANCER PATIENTS<br>D. Jacoby, <b>J. Hajj</b> , A. Javaheri, E. Degoma, A. Lin, P. Ahn, H. Quon<br>University of Pennsylvania, Philadelphia, PA, USA  | 223 |
| 13:00 | EFFICACY OF A CARDIOVASCULAR BEHAVIORAL INTERVENTION PROGRAM ON MEASURES OF STRESS<br><b>A. Eisenberg</b> , N.D. Wong, C. Pateo, J. Cecere, H. Eisenberg<br>Re-Engineering Healthcare, Tustin, California, USA  | 224 |

## SUNDAY, JULY 31, 2016

11:15 – 13:30

Hall C

### S28      **CARDIOVASCULAR DISEASE: PREVENTION AND RISK FACTORS (cont.)**

Abstract No.

- 13:15      EFFECT OF VARIOUS CHILDHOOD ANTHROPOMETRIC MEASURES ON ADULTHOOD CAROTID INTIMA-MEDIA THICKNESS: A SYSTEMATIC REVIEW AND META-ANALYSIS  
J. Kaur, **S. Singh**, P. Nieminen, K.K. Thumburu, A. Chauhan, N. Jaiswal, A. Agarwal, M. Singh, N. Paul, S. Sagwal  
ICMR Advanced Centre for Evidenced Based Child Health, Advanced Pediatric Centre, PGIMER, Chandigarh, India      **225**
- 13:30      LUNCH BREAK, VISIT POSTERS AND EXHIBITION

11:15 – 13:30

Hall D

### S29      **CELLULAR, MOLECULAR AND GENETIC MECHANISMS OF CARDIOVASCULAR DISEASE**

Chairs:      **L.W. Miller**, Clearwater, FL, USA  
              **D.K. Singla**, Orlando, FL, USA

Abstract No.

- 11:15      DEPLETION OF THE CEREBLON GENE ENHANCES CARDIAC CONTRACTILITY, CA<sup>2+</sup> TRANSIENT AND MITOCHONDRIAL ENERGY METABOLISM IN MICE  
H.K. Kim, T.H. Ko, Y.H. Noh, S.H. Jeong, N. Kim, B.D. Rhee, K.S. Ko, **J. Han**  
College of Medicine, Cardiovascular and Metabolic Disease Center, Inje University, Busan, Korea      **226**
- 11:30      MITF SWITCHES FROM ACTIVATOR TO REPRESSOR OF ERBIN EXPRESSION DURING CARDIAC HYPERTROPHY  
**I. Rachmin**, E. Amsalem, E. Golomb, R. Beerli, D. Gilon, G. Min, R.S.Y. Foo, D.E. Fisher, E. Razin, S. Tshori  
Hebrew University Medical School, Jerusalem, Israel      **227**
- 11:45      INHIBITION OF LEPTIN RECEPTOR ABOLISHES INTRALIPID-INDUCED CARDIOPROTECTION AGAINST ISCHEMIA- REPERFUSION INJURY  
**N. Motayaghani**, S. Phan, C. Eshraghi, M. Eghbali  
UCLA, CA, USA      **228**
- 12:00      CYP2C19 GENETIC VARIATION AND INDIVIDUALIZED CLOPIDOGREL PRESCRIPTION IN A CARDIOLOGY CLINIC  
**S.A. Mirabbasi**, K. Khalighi, B. Khalighi, A. Kodali, Y. Wu, W. Fan  
Easton Hospital, Drexel University, Easton, PA, USA      **229**

## SUNDAY, JULY 31, 2016

11:15 – 13:30

Hall D

S29	CELLULAR, MOLECULAR AND GENETIC MECHANISMS OF CARDIOVASCULAR DISEASE (cont.)	
12:15	A GENOME-WIDE METHYLATION ANALYSIS SHOWS DIFFERENTIALLY METHYLATED REGIONS BETWEEN FUTURE CVD CASES AND CONTROLS <b>O. Coltell</b> , J.V. Sorli, E.M. Asensio, R. Fernandez-Carrion, C. Ortega-Azorin, R. Barragan-Arnal, I. Gonzalez-Monje, F. Aros, J.M. Ordovas, D. Corella CiberOBN, Madrid, Spain	230
12:30	RELATIONSHIP BETWEEN ASPIRIN RESPONSE RELATED MICRORNA AND THE RISK OF CARDIOVASCULAR EVENTS IN CAD PATIENTS <b>J.W. Zhang</b> , T.F. Liu, W.Y. Liang, X.R. Feng, L. Wang, P.Z. Wang, S.W. Fu, T.A. McCaffrey, M.L. Liu Department of Geriatrics, Peking University First Hospital, Beijing, China	231
12:45	A GENETIC VARIANT IN THE CIRCADIAN GENE BMAL1 IS ASSOCIATED WITH HIGHER INCIDENCE OF CARDIOVASCULAR DISEASES <b>D. Corella</b> , J.V. Sorli, F.G. Frances, R. Fernandez-Carrion, R. Estruch, L. Parnell, F. Aros, C. Saiz, J.M. Ordovas, O. Coltell CiberOBN, Madrid, Spain	232
13:00	MMP1 GENE POLYMORPHISM AND CIRCULATING MMP IN ELDERLY WITH LIPEMIA AND PATIENTS WITH IHD G.A. Paul, N.V. Goncharova, V.M. Belichenko, <b>T.A. Korolenko</b> Institute of Physiology and Fundamental Medicine, Novosibirsk, Russia	233
13:15	EVALUATION OF GENETIC PROFILES IN MEDICATION ADJUSTMENTS <b>A.J. Allen</b> , J.M. Wetmore, M.F. Maturi Allen, D.R. Talreja Yale University New Haven, CT, USA	234
13:30	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

**P301 VASCULAR BIOLOGY, BASIC RESEARCH**

Board No.		Abstract No.
1	MICRORNA AS KEY TARGETS OF MEF2 TRANSCRIPTION FACTOR IN THE ENDOTHELIUM: ROLE IN THE PATHOGENESIS OF PULMONARY ARTERIAL HYPERTENSION <b>J. Kim, Y. Young</b> Sookmyung Women's University, Seoul, South Korea	235
2	PROCOLLAGEN TYPE I CARBOXY-TERMINAL PROPEPTIDE IS ASSOCIATED WITH BLOOD PRESSURE, CARDIAC HYPERTROPHY AND DYSFUNCTION, AND PREDICT CARDIOVASCULAR EVENTS IN HEMODIALYSIS PATIENTS <b>Y.O. Kim, B.M. Choi, S.J. Shin</b> The Catholic University, Seoul, Korea	236
3	IDH2 DEFICIENCY IMPAIRS MITOCHONDRIAL FUNCTION IN ENDOTHELIAL CELLS AND ENDOTHELIUM-DEPENDENT VASOMOTOR FUNCTION <b>S. Jung, C. Kim</b> Chungnam National University, Daejeon, Korea	237
4	EFFECTS OF PERIVASCULAR ADIPOSE TISSUE ON VASODILATION DIFFER BY THE SEVERITY OF METABOLIC DISORDERS <b>S. Kagota, S. Iwata, K. Maruyama, S. Koyanagi, K. Shinozuka</b> Mukogawa Women's University, Nishinomiya, Japan	238
5	TRASTUZUMAB INDUCES SYSTEMIC OXIDATIVE STRESS IN AN EXPERIMENTAL BIOLOGICAL MODEL <b>M.C. Ramirez-Ortega, J.C. Torres-Narvaez, L. Del Valle-Mondragon, J.F. Carrillo-Hernandez, A.M. Gamez-Mendez, M.L. Ibarra-Lara, M. Sanchez-Aguilar, M.A. Sanchez-Mendoza, G. Pastelin-Hernandez</b> Instituto Nacional de Cardiologia "Ignacio Chavez", Mexico City, Distrito Federal, Mexico	239
6	TIME-DEPENDENT RELAXANT EFFECTS OF NITRIC OXIDE AND CARBON MONOXIDE INTERACTION ON ALBINO RATS AORTIC RINGS WITH SPECIAL EMPHASIS ON THE ROLES OF K <sup>+</sup> AND CA <sup>++</sup> CHANNELS <b>O.A. Al-Habib, S.S. Khalil</b> University of Zakho, Kurdistan Region, Iraq	240
7	PROTEASE-ACTIVATED RECEPTOR-2 RELAXATION OF RAT AORTAS VASODILATION IN METABOLIC SYNDROME <b>K. Maruyama, S. Kagota, J.J. McGuire, N. Yoshikawa, K. Nakamura, K. Shinozuka</b> Mukogawa Women's University, Nishinomiya, Hyogo, Japan	241

## SUNDAY, JULY 31, 2016

08:00 – 13:00

Poster Hall

### P302 PHARMACOLOGIC MODULATION OF VASCULAR - ENDOTHELIAL FUNCTION

Board No.		Abstract No.
8	THE PROTECTIVE EFFECTS OF PARTHENOLIDE TREATMENT IN MOUSE CORTICAL MICROVASCULAR ENDOTHELIAL CELLS INVOLVED CA <sup>2+</sup> CLEARANCE SUPPRESSION BY IMPAIRING PLASMALEMMA CA <sup>2+</sup> PUMP ACTIVITIES AND ER STRESS <b>K.L. Wong</b> , T.Y. Tsai, S.Y. Lou, C.W. Cheung, Y.M. Leung China Medical University & Hospital, Taichung, Taiwan	242
9	USE OF DEEP SEDATION WITH PROPOFOL TO RELIEVE CATHETER ENTRAPMENT DUE TO SEVERE RADIAL ARTERY SPASM DURING CORONARY ANGIOGRAPHY <b>E.S. Roberto</b> , T. Aung, A. Agarwal Wright State University Department of Internal Medicine, Dayton, OH, USA	243

### P303 ACUTE MYOCARDIAL INFARCTION / REPERFUSION THERAPY

10	CORONARY REPERFUSION MANEUVER IN PRIMARY CORONARY INTERVENTION WITH RIGHT CORONARY ARTERY CULPRIT <b>J.M. Telayna</b> , J.M.(h) Telayna, R.A. Costantini Hospital Universitario Austral, Bs As, Argentina	244
11	CULPRIT IN A CARDIAC ARREST: RIGHT CORONARY ARTERY OR LEFT ANTERIOR DESCENDING <b>O.E Egbuche</b> , P. Agasthi, K. Sivakumar, R. Sachdeva Morehouse School of Medicine and Grady Memorial Hospital, Atlanta, Georgia, USA	245
12	COMPLETE HEART BLOCK FOLLOWING SUCCESSFUL PERCUTANEOUS CORONARY INTERVENTION OF LEFT MAIN STENOSIS <b>A.F. Chaudhry</b> , P. Agasthi, D. Hirsh, R. Sachdeva Morehouse School of Medicine, Atlanta, GA, USA	246
13	AN OVERLOOKED UNDERRATED SYMPTOM OF ACUTE MYOCARDIAL INFARCTION IN WOMEN <b>A.C. Grigos</b> , R. Seguritan, D.A. Bloomfield Richmond University Medical Center, Staten Island, NY USA	247
14	ROLE OF CONTRAST ENHANCED ECHOCARDIOGRAPHY IN PROVIDING LIFE SAVING DIAGNOSIS AFTER ACUTE STEMI <b>J. Kiani</b> , I. Meier, J. Jentzer, R. Daly Mayo Clinic, Rochester, MN, USA	248
15	HYPERACUTE T-WAVES INDICATIVE OF MYOCARDIAL ISCHEMIA: AN ATYPICAL AND UNDER RECOGNIZED MUST-KNOW PATTERN ON ELECTROCARDIOGRAM <b>K.A. Samtani</b> , O.M. Ali Wright State University, Dayton, OH, USA	249

**P303 ACUTE MYOCARDIAL INFARCTION / REPERFUSION THERAPY (cont.)**

Board No.		Abstract No.
16	HIGH-SENSITIVITY TROPONIN I (HSTNI) LEVEL IN ACUTE MYOCARDIAL INFARCTION (AMI) PATIENTS AND ITS ASSOCIATION WITH CORONARY ARTERY DISEASE (CAD) RISK FACTORS, AN INVESTIGATIVE STUDY <b>K.A. Floren</b> , R.E. Ramboyong The Medical City, Pasig City, Philippines	250
<b>P304 CARDIOMYOPATHIES: PATHOGENESIS AND TREATMENT</b>		
17	QRS COMPLEX FRAGMENTATION AS A PREDICTOR OF MYOCARDIAL SCAR IN PATIENTS WITH TRASTUZUMAB INDUCED CARDIOMYOPATHY <b>C.J. Hayes</b> , D.J. Pytlewski, D.S. Jassal, C.M. Seifer, W.F. McIntyre University of Manitoba, Winnipeg, MB, Canada	251
18	DETERMINANTS OF CARDIAC DYSFUNCTION AND LEFT VENTRICULAR HYPERTROPHY IN PHEOCHROMOCYTOMA <b>S. Agrawal</b> , S. Nanda, S.P. Bhatt, S. Longo, J. Pamula, A. Singh, M. Fegley, J. Shirani St Luke's University Health Network, Bethlehem, PA, USA	252
19	DIFFERENTIAL REVERSIBILITY IN HEART FAILURE DUE TO HYPOTHYROIDISM <b>E.S. Roberto</b> , T. Aung, A. Agarwal, R.J. Colon Wright State University Department of Internal Medicine, Dayton, OH, USA	253
20	ELECTRO-CARDIOVERSION OF NEW ONSET ATRIAL FLUTTER LEADING TO CARDIOGENIC SHOCK <b>E.A. Christian</b> , S.R. Kadire, R.N. Khouzam University of Tennessee Health Science Center, Memphis, TN, USA	254
21	DILATED CARDIOMYOPATHY INDUCED BY CHRONIC STARVATION AND SELENIUM DEFICIENCY <b>S. Dasgupta</b> , A.M. Aly University of Texas Medical Branch, Galveston, Texas, USA	255
22	TRIPLE TROUBLE: SINGLE CORONARY ARTERY AND CORONARY ARTERY DISEASE IN THE SETTING OF HYPERTROPHIC CARDIOMYOPATHY <b>S. Patnaik</b> , M. Shah, S. Sharma, N. Codolosa, V.M. Figueredo Albert Einstein Medical Center, Philadelphia, USA	256
23	LEFT VENTRICULAR OUTFLOW TRACK OBSTRUCTION AND MITRAL VALVE REGURGITATION IN A PATIENT WITH TAKOTSUBO CARDIOMYOPATHY Y. Wu, W.Q. Fan, L. Chachula, G. Costacurta, R. Rohatgi, <b>F. Elmi</b> Easton Hospital, Drexel University, Pennsylvania, USA	257

## SUNDAY, JULY 31, 2016

08:00 – 13:00

Poster Hall

### P304 CARDIOMYOPATHIES: PATHOGENESIS AND TREATMENT (cont.)

Board No.		Abstract No.
24	PHASIC COMPRESSION OF LEFT CIRCUMFLEX CORONARY ARTERY DURING ATRIAL SYSTOLE <b>E.S. Roberto</b> , A. Agarwal, T. Aung Wright State University Department of Internal Medicine, Dayton, OH, USA	258
25	CATECHOLAMINE INDUCED CARDIOMYOPATHY <b>J.Y. Park</b> , D. Snipelisky, S. Kapa Mayo Clinic, Rochester, MN, USA	259

### P305 ELECTROPHYSIOLOGY: SUDDEN DEATH, ARRHYTHMIAS AND DEVICE THERAPY

26	DELINEATING THE ASSOCIATION OF MITRAL VALVE PROLAPSE AND SUDDEN CARDIAC DEATH A. Rafael, <b>E.I. Starobinska</b> , P. Bartko, R.A. Levine, S.A. Lubitz, D.J. Milan University of Arizona College of Medicine- Phoenix, Phoenix, AZ, USA	260
27	POST-TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR) AND AV BLOCK – PACING OUTCOMES <b>A. Mourad</b> , A.F. Chu Rhode Island Hospital, Brown University, Rhode Island, USA	261
28	CORONARY ATHEROSCLEROSIS IN NON-CARDIAC SUDDEN UNEXPECTED DEATHS: AN AUTOPSY STUDY OF ASIAN POPULATION <b>W. Vutthikraivit</b> , P. Putthapiban, W. Sukhumthammarat, K. Jongyotha, P. Rajsirisongsri, T. Waungpaibulkij, J. Jutakeo, C. Rattananarungrit, P. Piancharoen, S. Srisont Ramathibodi Hospital, Mahidol University, Bangkok, Thailand	262
29	POSTMORTEM ECHOCARDIOGRAPHY AT EMERGENCY DEPARTMENT <b>S.B. Chon</b> , S.D. Shin, Y. Cho, H.S. Jeong, J.H. Choi, K.S. Han, T.H. Cho, S.H. Na Seoul National University Hospital, Seoul, Republic of Korea	263
30	WEARABLE CARDIOVERTER-DEFIBRILLATOR –WHERE ARE THE CLINICAL GUIDELINES? <b>M. Agarwal</b> , V. Botta, J. Gardner, R. Khouzam University of Tennessee Health Science Center, Memphis, Tennessee, USA	264
31	COMPLICATIONS RELATED TO CARDIAC RHYTHM MANAGEMENT DEVICES (CRMD'S) THERAPY AND THEIR FINANCIAL IMPLICATION: A PROSPECTIVE SINGLE-CENTER TWO YEARS SURVEY J.A. Fanourgiakis, E.N. Simantirakis, N. Maniadakis, <b>E.M Kanoupakis</b> , S.J. Chrysostomakis, G. Kourlaba, G.I. Chlouverakis, S.E. Papadakis, M. Vernardos, P.E. Vardas Heraklion University Hospital, Crete, Greece	265

## SUNDAY, JULY 31, 2016

08:00 – 13:00

Poster Hall

**P305 ELECTROPHYSIOLOGY: SUDDEN DEATH, ARRHYTHMIAS AND DEVICE THERAPY  
(cont.)**

Board No.		Abstract No.
32	PATIENTS FAVOR SHAPE OF MEDTRONIC ICD, BATTERY LIFE OFTEN MORE IMPORTANT <b>J. Kneller</b> , L. Bird Yakima Heart Center, Yakima, WA, USA	266
33	PACEMAKER COMPLICATION DOCUMENTATION AND THE EFFECT OF A CHANGE IN ANTIBIOTIC GUIDELINES <b>J. Basu</b> , L. West, S. Firoozan Royal Berkshire Hospital, Reading, UK	267
34	VENTRICULAR TACHYCARDIA STORM ON THE SAME DAY OF ICD IMPLANTATION FOR PRIMARY PREVENTION. WHAT HAPPENED? <b>S. Edla</b> , J. Chandrasekaran, S. Neupane, A. Shakir St John Hospital and Medical Center, Detroit, MI, USA	268



**PL11 Plenary Session  
TREATING ADVANCED HEART FAILURE – THE PUMPS AND BEYOND**

Chairs:	<b>M.R. Johnson</b> , Madison, WI, USA <b>H.N. Sabbah</b> , Detroit, MI, USA	Abstract No.
14:00	USE OF THE NONIONIC BLOCK COPOLYMER, VEPOLOXAMER (P-188) FOR THE TREATMENT OF ADVANCED HEART FAILURE (Invited Lecture) <b>H.N. Sabbah</b> , R.C. Gupta, V. Sing-Gupta, M. Emanuele Henry Ford Hospital, Detroit, MI, USA	269
14:15	THE PRESENT AND FUTURE OF THE TOTAL ARTIFICIAL HEART (Invited Lecture) <b>F. Arabia</b> , I. Gregoric, V. Kasirajan, J. D Moriguchi, D. C Naftel, S. L Myers, J. K Kirklin Cedars-Sinai Medical Center, Los Angeles, CA, USA	270
14:30	THE BENEFITS AND RISKS OF LEFT VENTRICULAR ASSIST DEVICE IMPLANTATION; WHERE IS THE POINT OF CLINICAL EQUIPOISE? (Invited Lecture) <b>M.R. Johnson</b> University of Wisconsin, Madison, WI, USA	271
14:45	OPTIONS FOR REMOTE PATIENT MONITORING IN THE LVAD POPULATION (Invited Lecture) S.P. Bhavnani, A. Srivastava, <b>D. Meyer</b> , R. Kuo, J. Nowaczyk, L. Wolman, S. Baradaran, T. Heywood Methodist Health System, Dallas, Texas, USA	272
15:00	TRANSITION TO STAGE D HEART FAILURE AMONG STABLE OUTPATIENTS WITH SYSTOLIC HEART FAILURE (Invited Lecture) <b>A.P. Kalogeropoulos</b> , A.A. McCue, J.S. Hedley, A. Samman-Tahhan, J.B. Bjork, V.V. Georgiopoulou, J.D. Vega, A.L. Smith Emory University, Atlanta, GA, USA	273
15:15	MYOCARDIAL RECOVERY DURING VENTRICULAR UNLOADING IN PATIENTS WITH CHRONIC CARDIOMYOPATHY: ASSESSMENT OF CARDIAC IMPROVEMENT AND WEANING FROM VENTRICULAR ASSIST DEVICES (Invited Lecture) <b>M. Dandel</b> Deutsches Herzzentrum Berlin, Berlin, Germany	274
15:30	TREATING FLUID OVERLOAD WITH FLUID; ROLE OF PERITONEAL DIALYSIS IN MANAGEMENT OF HEART FAILURE (Invited Lecture) <b>A. Kazory</b> University of Florida, Gainesville, Florida, USA	275
15:45	ACELLULAR BIOLOGICS FOR CARDIAC REGENERATION (Invited Lecture) <b>A. Behfar</b> Mayo Clinic, Rochester, MN, USA	276

## SUNDAY, JULY 31, 2016

14:00 – 16:30

Hall A

**PL11 Plenary Session**

**TREATING ADVANCED HEART FAILURE – THE PUMPS AND BEYOND (cont.)**

Abstract No.

- 16:00 WHOLE HEART REGENERATION WITH HUMAN iPS CELL-DERIVED HEART PROGENITORS (Invited Lecture) **277**  
B. Lin, T-Y Lu, J. Kim, M. Sullivan, K. Tobita, G. Salama, **L. Yang**  
University of Pittsburgh, Pittsburgh, PA, USA
- 16:15 NEWER IMPLANTABLE DEVICES IN HEART FAILURE (Invited Lecture) **278**  
**K. Srivathsan**  
Mayo Clinic, Phoenix, AZ, USA
- 16:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

14:00 – 16:00

Hall B

**PL12 Plenary Session**

**MULTIMODALITY IMAGING FOR EVALUATION OF CARDIOVASCULAR DISEASE**

Chairs: **A. Elhendy**, Marshfield, WI, USA  
**J.M. Gardin**, Teaneck, NJ, USA

Abstract No.

- 14:00 ROLE OF ECHOCARDIOGRAPHY IN EPIDEMIOLOGIC STUDIES AND CLINICAL TRIALS: AN HISTORICAL PERSPECTIVE (Invited Lecture) **279**  
**J.M. Gardin**  
Hackensack University Medical Center, Rutgers New Jersey Medical School, NJ, USA
- 14:15 CARDIAC IMAGING FOR EVALUATION OF CORONARY ARTERY DISEASE IN PATIENTS WITH HYPERTENSION (Invited Lecture) **281**  
**A. Elhendy**  
Marshfield Clinic, Marshfield, WI, USA
- 14:30 MULTIMODALITY IMAGING IN CARDIOMYOPATHY (Invited Lecture) **282**  
**J. Shirani**  
St. Luke's University Health Network, Bethlehem, PA, USA
- 14:45 ECHOCARDIOGRAPHIC QUANTITATION OF AORTIC REGURGITATION (Invited Lecture) **283**  
**H. Chaliki**  
Mayo Clinic College of Medicine, Mayo Clinic, Scottsdale, AZ, US

## SUNDAY, JULY 31, 2016

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**14:00 – 16:00** **Hall B**

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**PL12**     **Plenary Session**  
**MULTIMODALITY IMAGING FOR EVALUATION OF CARDIOVASCULAR DISEASE (cont.)**

		Abstract No.
15:00	CURRENT STATUS OF INTRAVASCULAR IMAGING (Invited Lecture) <b>S.K.G. Koshy</b> , L.K. George Regional One Health - University of Tennessee Health Sciences Center, Memphis TN, USA	284
15:15	THE USE OF POINT OF CARE ULTRASOUND TO GUIDE MANAGEMENT IN HEART FAILURE (Invited Lecture) <b>I. Kedan</b> , R. Khandwalla, R. Zimmer, K. Birkeland Cedars Sinai Heart Institute, Beverly Hills, CA, USA	285
15:30	POSITIVE STRESS ECHO AND NORMAL CORONARY ARTERIES: HOW OFTEN AND WHY? (Invited Lecture) <b>M. Prokudina</b> , E. Bobrova, E. Shloido, I. Konstantinov, P. Mochalov Almazov North-West Medical Research Center, St-Petersburg, Russia	286
15:45	INTRAVASCULAR OPTICAL IMAGING TECHNOLOGY FOR DETECTION OF HIGH-RISK PLAQUE (Invited Lecture) <b>H. Yoo</b>	287
16:00	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

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**14:00 – 16:15** **Hall C**

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**S30**     **RISK STRATIFICATION AND SECONDARY PREVENTION OF CARDIOVASCULAR  
DISEASE**

Chairs:     **R.S. Rosenson**, New York, NY, USA  
              **L. Sperling**, Atlanta, GA, USA

		Abstract No.
14:00	ASTHMA ASSOCIATES WITH HUMAN ABDOMINAL AORTIC ANEURYSM AND RUPTURE <b>C.L. Liu</b> , H. Wemmelund, J. Lindholt, B. Levy, P. Libby, G.P. Shi Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA	288
14:15	ASSOCIATION BETWEEN HIGH-DENSITY LIPOPROTEIN AND CARDIOVASCULAR DISEASE OUTCOMES <b>M.S. Sidhu</b> , M. Pragani, W.E. Boden, R.P. Smith, L.H. Bopp, M.E. Rafferty Albany Medical Center and Albany Stratton Veterans Affairs Medical Center, Albany, NY, USA	289
14:30	FAILING TO MEET HEART FAILURE PATIENTS' BASIC NUTRITIONAL NEEDS-WHO'S LISTENING? <b>A. Kodra</b> , J. Jacobson, R. Graham Lenox Hill Hospital, New York, NY, USA	290

## SUNDAY, JULY 31, 2016

14:00 – 16:15

Hall C

### S30 RISK STRATIFICATION AND SECONDARY PREVENTION OF CARDIOVASCULAR DISEASE (cont.)

Abstract No.

- 14:45 THE RUMC INDEX: PREDICTING MORTALITY USING A COMBINED EWS AND NLR SCORING SYSTEMS 291  
**A.J. Park**, X. Wang, V. Arulthasan, D.A. Bloomfield  
Richmond University Medical Center, Staten Island, NY, USA
- 15:00 TRIAGE AFTER EXERCISE TREADMILL TEST (TEXT) STUDY: A SINGLE CENTER EXPERIENCE WITHIN AN INTEGRATED HEALTHCARE DELIVERY SYSTEM 292  
**A. Krishnaswami**, W. Ho, W. Kwan, C. Tsou, O. Anaya, S.F. Jiang, J.J. Jang, W. Praserthdam  
Division of Cardiology, Kaiser Permanente, San Jose, CA, USA
- 15:15 GENERALIZED ANXIETY DISORDER IN PATIENTS AFTER ACUTE MYOCARDIAL INFARCTION: A POPULATION-BASED COHORT STUDY 293  
**W-C. Tzeng**  
National Defense Medical Center, Taipei, Taiwan
- 15:30 COMPARISON BETWEEN RISK FACTORS AND ANGIOGRAPHIC CHARACTERIZATION OF YOUNG VERSUS OLD PATIENTS WITH STEMI 294  
S.H. Majidi, S. Yazdankhah, **M.H. Adel**, R. Hajizadeh, M. Syeidian, N. Akiash, M. Noorizadeh  
Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Khuzestan, Iran
- 15:45 HEARTFIT: PRELIMINARY RESULTS OF A PILOT CARDIAC OUTPATIENT SELF-MANAGEMENT PROGRAMME 295  
**J. Choy**, M. Tay  
Tan Tock Seng Hospital, Singapore
- 16:00 DEVELOPMENT OF A HOLISTIC MODEL TO PREVENT AND REVERSE CORONARY ARTERY DISEASE: SAAOL (SCIENCE AND ART OF LIVING) SAFETY CIRCLE 296  
**B. Chhajer**, V. Singh, G. Kumari  
SAAOL Heart Center, New Delhi, India
- 16:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

**S31 MOLECULAR CARDIOLOGY AND VASCULAR BIOLOGY, BASIC RESEARCH**

Chairs: **A.A. Knowlton**, Davis, CA, USA  
**C.S. Long**, Denver, CO, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 14:00 | DEFICIENCY OF FILAMIN A IN ENDOTHELIAL CELLS IMPAIRS LEFT VENTRICULAR REMODELING AFTER MYOCARDIAL INFARCTION<br>S. Bandaru, J. Grönros, B. Redfors, Ç. Çil, D. Pazooki, R. Salimi, E. Larsson, A.X. Zhou, E. Ömerovic, <b>L.M. Akyürek</b><br>University of Gothenburg, Sweden,            | 297 |
| 14:15 | A TRANSGENIC MOUSE MODEL OF ATHEROSCLEROTIC PLAQUE CALCIFICATION<br>F. Romanelli, A.M. Corbo, A.Y. Savinov, J.L. Millan, <b>O.V. Savinova</b><br>New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA   | 298 |
| 14:30 | THYROID HORMONE INDUCES VASCULAR RELAXATION THROUGH VASP PHOSPHORYLATION AT SERINE 239: A POTENTIAL THERAPEUTIC APPROACH TO TREAT DIABETIC VASCULAR DYSFUNCTION<br><b>M.A. Carrillo-Sepulveda</b> , S. Samuel, A. Martin Gerdes<br>New York Institute of Technology, Old Westbury, NY, USA | 299 |
| 14:45 | INTRALIPID PROTECTS THE HEART AGAINST ISCHEMIA/REPERFUSION INJURY BY REDUCING CARDIOMYOCYTE APOPTOSIS VIA MIR122 INDUCTION IN LATE PREGNANCY<br>J. Li, <b>N. Motayaghani</b> , N. Barakati, M. Eghbali<br>UCLA, Los Angeles, CA, USA   | 300 |
| 15:00 | THE ACTION OF NUTRACEUTICALS ON KEY MACROPHAGE PROCESSES ASSOCIATED WITH ATHEROSCLEROSIS<br>T.S. Davies, H. Gallagher, J.W.E. Moss, F.B. Jaffar, W. Al-Ahmadi, F. Harris, <b>D.P. Ramji</b><br>Cardiff University, Cardiff, UK   | 301 |
| 15:15 | HEME OXYGENASE-1 DEFICIENCY EXACERBATES ABDOMINAL AORTIC ANEURYSM<br>Y.C. Ho, M.L. Wu, <b>S.F. Yet</b><br>National Health Research Institutes, Zhunan, Taiwan  | 302 |
| 15:30 | PROTEOMIC PROFILING OF THE AGED MDX-4CV HEART MODEL OF DYSTROPHINOPATHY-RELATED CARDIOMYOPATHY<br>S. Murphy, P. Dowling, <b>K. Ohlendieck</b><br>Maynooth University, Maynooth, Co. Kildare, Ireland   | 303 |

**PL13 Plenary Session**

**SYSTEMIC AND PULMONARY ARTERY HYPERTENSION: EXPENDING THERAPEUTIC OPTIONS**

Chairs: **W.S. Aronow**, Valhalla, NY, USA  
**Z.S. Galis**, Bethesda, MD, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 16:45 | 2016 UPDATE ON TREATMENT OF HYPERTENSION (Invited Lecture)<br><b>W.S. Aronow</b><br>Westchester Medical Center/New York Medical College, Valhalla, NY, USA  | 304 |
| 17:00 | NITRIC OXIDE, GI PROTEINS AND REGULATION OF BLOOD PRESSURE (Invited Lecture)<br>E. Hossain, O. Sarkar, Y. Li, <b>M.B. Anand-Srivastava</b><br>University of Montreal, Montreal, Quebec, Canada  | 305 |
| 17:15 | HYPERTENSION UPDATE: <i>QUO VADIMUS?</i> (Invited Lecture)<br><b>Z.S. Galis</b><br>Vascular Biology and Hypertension, National Heart Lung and Blood Institute, Bethesda, MD, USA  | 306 |
| 17:30 | THERAPEUTIC, PREVENTIVE AND PROGNOSTIC ASPECTS OF EXERCISE IN HYPERTENSION (Invited Lecture)<br><b>P. Kokkinos</b><br>Veterans Affairs Medical Center, Washington, DC, USA and<br>Georgetown University School of Medicine, Washington, DC, USA                                     | 308 |
| 17:45 | EXERCISE RELATED HYPERTENSION (ERH) MAY NOT BE A BENIGN PHENOMENON (Invited Lecture)<br><b>Y. Charuzi</b> , J.M. Mirocha<br>Cedars Sinai Medical Center, LA, USA  | 310 |
| 18:00 | UPDATE ON EFFECT OF ISOLATED SYSTOLIC VERSUS SYSTOLIC-DIASTOLIC HYPERTENSION IN OLDER ADULTS<br>A. Tsimploulis, <b>S. Weerakoon</b> , A. Ahmed<br>Georgetown University/Washington Hospital Center, USA   | 311 |
| 18:15 | GENOME-WIDE ASSOCIATION STUDY ON SALTINESS AND ASSOCIATION OF TOP-RANKING SNPS WITH BLOOD PRESSURE<br><b>D. Corella</b> , R. Fernandez-Carrion, R. Barragan-Arnal, A. Rodrigues-Cruz, I. Gonzalez-Monje, L. Quiles, J.V. Sorli, J.M. Ordovas, O. Coltell<br>CiberOBN, Madrid, Spain | 312 |

## SUNDAY, JULY 31, 2016

16:45 – 19:00

Hall C

S32	ARRHYTHMIA II: SUDDEN CARDIAC DEATH / ADVANCES IN IMPLANTABLE RHYTHM DEVICE THERAPY	
	Chair: <b>J.R. Gimbel</b> , Cleveland, OH, USA <b>H. Paydak</b> , Little Rock, AR, USA	Abstract No.
16:45	ICD-FORUM - WEB-BASED PSYCHOSOCIAL SUPPORT FOR PATIENTS WITH IMPLANTABLE CARDIOVERTER DEFIBRILLATORS <b>S.M. Schulz</b> , R. Zniva, O. Ritter, C. Wacker, M. Jack, G. Groschup, T. Deneke, P. Pauli Comprehensive Heart Failure Center - Wuerzburg, University Hospital Wuerzburg, Germany	313
17:00	THE SUBCUTANEOUS IMPLANTABLE CARDIOVERTER-DEFIBRILLATOR: FIRST SINGLE-CENTER EXPERIENCE WITH OTHER CARDIAC IMPLANTABLE ELECTRONIC DEVICES <b>J. Kuschyk</b> , B. Rudic, S. Roeger, E. Tueluemen, V. Liebe, M. Borggrefer University Medical Center Mannheim, DZHK partner site Mannheim, Germany	314
17:15	THE INCIDENCE OF TORSADES DE POINTES AFTER PROPOFOL EXPOSURE <b>V. Abrich</b> , H. Ramakrishna, A. Mehta, F. Mookadam, K. Srivathsan Mayo Clinic Arizona, Phoenix, AZ, USA	315
17:30	INTRA-HIS BLOCK RARELY PROGRESS TO PACEMAKER DEPENDENCY: A CASE SERIES L. Ragupathi, <b>D. Johnson</b> , B.B. Pavri Thomas Jefferson University Hospital, Philadelphia, PA, USA	316
17:45	LONG-TERM COMPLICATIONS OF EPICARDIAL PACING WIRES ABANDONED FOLLOWING CARDIAC SURGERY <b>A. Singh</b> , A. Shi, H. Vefali, S. Agrawal, A. Sinha, J. Shirani St Lukes University Hospital, Bethlehem, PA, USA	317
18:00	SAFETY AND EFFICACY OF TRANSVENOUS EXTRACTION OF PACEMAKER AND CARDIOVERTER-DEFIBRILLATOR LEADS <b>H. Vefali</b> , M. Durkin, A. Singh, S. Agrawal, S. Nanda, D. Traub, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA	318
18:15	DEVICE IMPLANTATION CONUNDRUM: OPTIMAL MANAGEMENT OF A PATIENT WITH MIXED PHENOTYPE CHANNELOPATHY <b>H. Latt</b> , J. Evans, University of Nevada, Reno, Nevada, USA	319
18:30	INAPPROPRIATE SHOCKS DUE TO CHATTERING OF THE LEADS FROM AN INVESTIGATIONAL DEVICE FOR CARDIAC CONTRACTILITY MODULATION AND A DEFIBRILLATION LEAD <b>T.T. Aung</b> , A. Wase, J. Pollock, Wright State University, Dayton, OH, USA	320
18:45	A COMPARISON OF ACTIVE AND PASSIVE LEAD IMPLANTATION: IS OPERATING EXPERIENCE A FACTOR? <b>J. Basu</b> , C. Wrigley, R. Soar, W. Orr Royal Berkshire Hospital, Reading, UK	321

**S33 ACUTE CORONARY SYNDROME: FROM BENCH TO BEDSIDE**

	Chairs: <b>M-R. Movahed</b> , Tucson, AZ, USA <b>Y. Ueda</b> , Osaka, Japan	Abstract No.
16:45	INCIDENCE AND RISK FACTORS FOR AKI PRE-CARDIAC CATHERIZATION IN PATIENTS PRESENTING WITH STEMI <b>M. Ashukem</b> , J. Cohen, J. Diamond, J. Badlani, M. Calfa, C. Mendoza University of Miami/Jackson Memorial Hospital, Miami, FL, USA	322
17:00	CORONARY COLLATERALS ARE NOT CARDIOPROTECTIVE IN MULTIETHNIC STEMI PATIENTS AFTER REVASCULARIZATION <b>A. Avezbadalov</b> , A. Jaiswal, E.N. Moustakakis, C.H. Park, A.J. Buda Weill Cornell Medical College, New York, NY, USA	323
17:15	THE HIGH-DEGREE ATRIOVENTRICULAR BLOCK REMAINS A SEVERE PROGNOSTIC MARKER IN THE PRIMARY PERCUTANEOUS CORONARY INTERVENTION ERA <b>P. Dobes</b> , University Hospitals of Leicester NHS Trust, Leicester, UK	324
17:30	IMAGING DEBAKEY'S DEBACLE: AN UNUSUAL CULPRIT FOR ST ELEVATION <b>A. Alsaad</b> , O. Odunukan, Mayo Clinic, Jacksonville, FL, USA	325
17:45	RELATION BETWEEN THE LEVEL OF RED BLOOD CELL DISTRIBUTION AND ELECTROCARDIOGRAM CHANGES AND ECHOCARDIOGRAPHIC WALL MOTION SCORE INDEX IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION M. Toufan, <b>M. Rezazadehsaatlou</b> , F. Akbarzadeh Tabriz University of Medical Sciences, Tabriz, Eastern Azerbaijan, Iran	326
18:00	SEVERE CHEST PAIN MIMICKING ACUTE CORONARY SYNDROME IN A DIABETIC PATIENT WITH MYASTHENIA GRAVIS <b>A. Chiriac</b> , S.V. Pislaru, P.A. Pellikka, Mayo Clinic, Rochester, MN, USA	327
18:15	ACUTE LEFT MAIN THROMBOSIS DURING EXERCISE TESTING <b>A. Quddus</b> , A. Smith, A. Singh, Y. Manda, P. Puleo, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA	328
18:30	IS THERE ANY CORRELATION BETWEEN PLATELET INDICES WITH EXTENT OF CORONARY ARTERY INVOLVEMENT IN ISCHEMIC HEART DISEASES? M.H. Adel, M. Seyedian, M. Jafarsalehi, M. Nourizadeh, S. Bagheri, M. Nourizadeh, P. Nabavizadeh Rafsanjani, <b>A. Shams Akhtari</b> Ahwaz Jundishapur University of Medical Sciences	329
18:45	CORRELATION BETWEEN ELECTROCARDIOGRAPHIC CHANGES AND CORONARY ANGIOGRAPHY FINDINGS IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION AND SINGLE-VESSEL DISEASE <b>A. Sanaani</b> , W.S. Aronow, R. Paudel, H. Cooper Westchester Medical Ctr/New York Medical College, Valhalla, NY, USA	330
19:00	LEFT BUNDLE BRANCH BLOCK: IS IT TIME TO RECONSIDER THE CRITERIA FOR PRIMARY PERCUTANEOUS CORONARY INTERVENTION? J. Basu, <b>M. Mikhail</b> , T. Realey, W. Orr Royal Berkshire NHS Foundation Trust, Reading, UK	038



## SUNDAY, JULY 31, 2016

13:30 – 18:30

Poster Hall

### P401 INTERVENTIONAL CARDIOLOGY FOR HEART VALVE DISEASE

Board No.		Abstract No.
1	TRANSCATHETER AORTIC VALVE IN VALVE REPLACEMENT: EVALUATION OF MEAN AORTIC ECHOGRAPHIC GRADIENTS <b>R. Radjef</b> , D.D. Wang, B. Fuller, A. Taylor, J. Wyman, J. Borgi, G. Paone, M. Eng, A. Greenbaum, W.W. O'Neill Henry Ford Hospital, Detroit, MI, USA	331
2	FIRST YEAR EXPERIENCE OF A NEW TAVR SITE: WHAT IS THE DURATION OF THE TAVR LEARNING CURVE? <b>G.A Rogers</b> , E. Kaluski, S. Sattur, F. Reitknecht, D. Sporn Guthrie Health Systems, Sayre, PA, USA	332
3	IMPACT OF ADVANCES IN TAVR TECHNOLOGY ON PROCEDURAL VOLUME H. El-Haddad, <b>R. Kafa</b> , M. Davis, A. Vargas, B. Al Khiami, Y. Bayissa, M. Alqasrawi, C. Ward, F. Zahr University of Iowa Hospitals and Clinics, Iowa City, IA, USA	333
4	EFFECT OF DAY OF PROCEDURE ON OUTCOMES OF TRANSCATHETER AORTIC VALVE IMPLANTATION IN THE UNITED STATES: ANALYSIS FROM LARGE NATIONAL REGISTRY S.V. Patel, P. Patel, M. Patel, A. Rajabalan, <b>A. Saggu</b> , T. Singh, A. Badheka Western Reserve Health Education/NEOMED, Youngstown, OH, USA	334
5	PERCUTANEOUS CLOSURE OF A MITRAL PARAVALVULAR LEAK ANTEGRADELY WITHOUT MAKING A FEMORO-FEMORAL LOOP IN A PATIENT WITH BOTH MITRAL AND AORTIC VALVE REPLACEMENT <b>C. Barcin</b> , O. Baysan, M. Celik, U.C. Yuksel, E. Yildirim, H.K. Kabul, B. Bugan Gulhane Military Medical Academy, Ankara, Turkey	335
<b>P402 VASCULAR (PERIPHERAL AND CAROTID) AND AORTIC DISEASES</b>		
6	COMPARISON AORTIC DISSECTION DETECTION RISK SCORE AND D-DIMER IN DIAGNOSIS OF ACUTE AORTIC DISSECTION <b>S. Koderu</b> , J. Kanda Asahi General Hospital, Asahi, Chiba, Japan	336
7	TAKAYASU ARTERITIS PRESENTING WITH DIFFUSE AORTIC ULCERS <b>K. Anouti</b> , A. Khaji, M. Maalouf, K. Hawthorne Lankenau Medical Center, Wynnewood, PA, USA	337
8	EFFECT OF ANICOAGULANT ON DEEP VEIN THROMBOSIS <b>T. Tomaru</b> , S. Koderu, T. Matsubara, E. Matsubara, T. Kon, J. Suzuki, T. Tsutsumi, T. Nakajima Toho University Sakura Medical Center, Sakura, Chiba, Japan	338
9	PROGNOSIS OF PATIENTS WITH MILD TO MODERATE CAROTID SCLEROSIS T. Matsubara, <b>S. Koderu</b> , E. Matsubara, T. Kurosu, J. Suzuki, T. Kon, T. Tomaru Tokyo University Hospital, Tokyo, Japan M. Morsy, W.I. Khalife, K. Sadat UTMB, Galveston, TX, USA	339

## SUNDAY, JULY 31, 2016

13:30 – 18:30

Poster Hall

### P402 VASCULAR (PERIPHERAL AND CAROTID) AND AORTIC DISEASES (cont.)

Board No.		Abstract No.
10	AGGRESSION, IRE, HOSTILITY AND CAROTID THICKNESS MEASURED IN ADOLESCENTS <b>V. Romero</b> , E. Silva, J. Villasmil, G. Bermudez, M. Bracho, F. Madueño Instituto de Investigaciones de Enfermedades Cardiovasculares de la Universidad del Zulia, Maracaibo, Estado Zulia, Venezuela	340
11	PRESENCE OF AORTIC PLAQUE MAY PREDICT CORONARY ARTERY DISEASE <b>T. Tomaru</b> , S. Kodera, E. Mastubara, T. Matsubara, J. Suzuki, T. Tabata, T. Kon, T. Tsustumi Toho University Sakura Medical Center, Sakura, Chiba, Japan	341
<b>P403 ATRIAL FIBRILLATION AND SUPRAVENTRICULAR ARRHYTHMIA</b>		
12	ELECTROCAUTERY INDUCED ATRIAL FIBRILLATION - WHAT IS THE MECHANISM? <b>N.V.K. Pothineni</b> , J. Payne, S. Kovelamudi, A. Shanbhag, P. Gurrarn, A. Deshmukh, H. Paydak University of Arkansas for Medical Sciences, Little Rock, AR; USA	342
13	LOW ENERGY CARADIOVERSION FOR ATRIAL FLUTTER V.O. Obi, N. Isber, D. Bloomfield, <b>M. Arulthasan</b> Richmond University Medical Center, Staten Island, New York NY, USA	343
14	NEW-ONSET ATRIAL FIBRILLATION ASSOCIATED WITH CYCLOPHOSPHAMIDE-INDUCED CARDIOTOXICITY: CASE REPORT <b>A.C. Guta</b> , A.M. Daraban, A. Burducea, D. Bartos Bucharest Emergency Clinical Hospital- Foreasca, Romania	344
15	EFFECT OF DABIGATRAN ON PLATELET REACTIVITY-A PROOF OF CONCEPT STUDY S.R. Devabhaktuni, <b>A. Annapureddy</b> , A. Namazi, A. Malik, L. Dizon, C. Miranda, A. Gururaj, C. Ahsan University of Nevada School of Medicine, Las Vegas, NV, USA	345
16	INTRACARDIAC THROMBUS IN A WARFARIN RESISTANT PATIENT <b>F. Khan</b> , B.C. Berger, Abington Jefferson Health, Abington, PA, USA	346
<b>P404 ARRHYTHMIAS: DIAGNOSIS AND TREATMENT</b>		
17	THE EFFECT OF FLECAINIDE AND RANOLAZINE ON CALCIUM TRANSIENTS IN RAT CARDIOMYOCYTES <b>S. Chawla</b> , A. Alvarez-Laviada, K. Macleod Imperial University, Hammersmith, University of Southampton, Southampton, UK	347
18	EFFICACY OF CLASS IC VERSUS CLASS III ANTIARRHYTHMICS AFTER CRYOABLATION USING THE ARCTIC FRONT ADVANCE CATHETER <b>A. Avezbadalov</b> , S. Pollack, A.F. Osman NOVA Southeastern University, Fort Lauderdale, FL, USA	348

**P404     ARRHYTHMIAS: DIAGNOSIS AND TREATMENT (cont.)**

Board No.		Abstract No.
19	ELECTROCARDIOGRAPHIC BRUGADA PATTERN UNMASKED BY CORONARY VASOSPASM IN A COCAINE USER Y. Manda, S. Nanda, <b>A. Singh</b> , S. Agrawal, W. Samuel Towne, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA	349
20	WIDE COMPLEX TACHYCARDIA WITH PROPAFENONE USE – EXPLAIN IT TO MY HEART <b>S. Neupane</b> , S. Edla, A. Shakir St John Hospital and Medical Center, Detroit, MI, USA	350
21	IVABRADINE'S POTENT EFFECT ON THE AV NODE: A CASE OF 2ND DEGREE HEART BLOCK <b>B. Louka</b> , V. Abrich, B. Yeneneh, K. Srivathsan Mayo Clinic, Arizona, USA	351
22	BRUGADA PATTERN ELECTROCARDIOGRAPHIC CHANGES IN A PATIENT WITH LITHIUM TOXICITY AND FEVER <b>N. Mehta</b> , A. Kanthala, M. Schinlever Rochester Regional Health, Unity Hospital, Rochester, NY, USA	352

**P405     CARDIAC SURGERY / MECHANICAL CIRCULATORY SUPPORT**

23	USE OF MECHANICAL CIRCULATORY SUPPORT IN OCTOGENARIANS FOR PERCUTANEOUS CORONARY INTERVENTIONS <b>Y.R. Manda</b> , S. Agrawal, S. Bernalgi, A. Quddus, H. Vefali, A. Singh, A. Sinha, A. Abichandani, J. Shirani, P. Puleo St Luke's University Health Network, Bethlehem, PA, USA	353
24	LACK OF POST LVAD IMPLANTATION WEIGHT LOSS IS ASSOCIATED WITH VOLUME OVERLOAD DURING INTERMEDIATE FOLLOW UP <b>F. Fahad</b> , D. Belov, M.A. Norton, E. Philbin, M. Tallman, S. Miller, M. Torosoff Albany Medical Center, Albany, NY, USA	354
25	THE HIBERNATING LIMA: A CASE REPORT DESCRIBING IMPROVEMENT IN LEFT INTERNAL MAMMARY ARTERY GRAFT FLOW AFTER PROGRESSION OF NATIVE VESSEL CORONARY ARTERY DISEASE <b>S. Desai</b> , B. Louka, F.D. Fortuin Mayo Clinic Arizona, Department of Cardiovascular Disease, Scottsdale, AZ, USA	355
26	THROMBOSIS IN THE HEARTWARE PUMP: CLINICAL PRESENTATION AND MANAGEMENT DECISIONS <b>M.B. Jayanna</b> , C. Inampudi, R. Kafa, J.L. Franzwa, V. Cotarlan, J.K. Bhamra, K. Light-McGroary University of Iowa Carver College of Medicine, Iowa City, IA, USA	356
27	TRIPLE CHAMBER MYXOMA (BIATRIAL AND RIGHT VENTRICULAR) IN A 17 YEAR OLD MALE <b>L.K.M. Evangelista</b> , J.A. See, A.M.A. Javelosa, D.R.K. Salvador De La Salle University Medical Center, Dasmariñas City, Cavite, Philippines	357

## SUNDAY, JULY 31, 2016

13:30 – 18:30

Poster Hall

**P405 CARDIAC SURGERY / MECHANICAL CIRCULATORY SUPPORT (cont.)**

Board No.		Abstract No.
28	MEDIASTINAL HEMATOMA CAUSING SYNCOPE: AN EXTRA-PERICARDIAL CULPRIT FOR TAMPONADE <b>S.M. Dhannoon</b> , A.A. Alsaad University of Central Florida, Orlando, Florida, USA	358
29	INTRAOPERATIVE GRAFT VERIFICATION IN CORONARY SURGERY: WHY, WHEN AND HOW SHOULD WE VERIFY CORONARY ARTERY BYPASS GRAFTS G. Di Giammarco, <b>D. Marinelli</b> , M. Foschi, M. Di Mauro, M. Di Natale University "G.D'Annunzio", Chieti, Italy	359



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INTERNATIONAL ACADEMY OF CARDIOLOGY  
ANNUAL SCIENTIFIC SESSIONS 2016  
21st WORLD CONGRESS ON  
**HEART DISEASE**

BOSTON, MA, USA, JULY 30-AUGUST 1, 2016

SCIENTIFIC  
PROGRAM

Monday, AUGUST 1, 2016

SCIENTIFIC PROGRAM





## MONDAY, AUGUST 1, 2016

08:30 – 11:00

Hall A

**PL14 Plenary Session**

**EVALUATION AND TREATMENT OF CHRONIC AND ACUTE CORONARY ARTERY DISEASE**

Chairs: **U. Thadani**, Oklahoma City, OK, USA  
**G.W. Vetrovec**, Richmond, VA, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 08:30 | EVIDENCE FOR BENEFITS FOR CHRONIC TOTAL OCCLUSION INTERVENTIONS IN 2016 (Invited Lecture)<br><b>R. Sachdeva</b> , Grady Memorial Hospital, Atlanta, GA, USA  | 360 |
| 08:45 | PREVENTION OF ACUTE MI BY AGGRESSIVE APPROACH TO TREAT UNSTABLE ANGINA (Invited Lecture)<br><b>Y. Ueda</b> , Osaka National Hospital, Osaka, Japan   | 361 |
| 09:00 | OPTIMUM TREATMENT OF ANGINA PECTORIS SHOULD TAKE INTO CONSIDERATION PATIENTS' CIRCULATORY STATUS AND THE PRESENCE OF ASSOCIATED COMORBIDITIES IN THE YEAR 2016 (Invited Lecture)<br><b>U. Thadani</b><br>OU Medical Center and VA Medical Center, Oklahoma City, Oklahoma, USA | 362 |
| 09:15 | CONTROVERSIES IN ANTIPLATELET AND ANTICOAGULANT THERAPY (Invited Lecture)<br><b>D.L. Bhatt</b><br>Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA   | 363 |
| 09:30 | THE ROLE OF HEMODYNAMIC SUPPORT IN THE MANAGEMENT OF AMI WITH SHOCK (Invited Lecture)<br><b>G.W. Vetrovec</b> , VCU Medical Center Richmond, Virginia USA  | 364 |
| 09:45 | DELIRIUM IN THE INTENSIVE CARE UNIT: MORE THAN A NUISANCE (Invited Lecture)<br><b>G.W. Barsness</b> , Mayo Clinic, Rochester, MN, USA  | 365 |
| 10:00 | UPDATE ON CONTRAST REMOVAL FROM CORONARY SINUS DURING CORONARY ANGIOGRAPHY OR INTERVENTION FOR PREVENTION OF CONTRAST INDUCED NEPHROPATHY (Invited Lecture)<br><b>M.R. Movahed</b><br>CareMore, Tucson, Arizona, University of Arizona College of Medicine, USA                | 366 |
| 10:15 | TRANSULNAR INTERVENTIONS (Invited Lecture)<br><b>E. Kaluski</b> , M. Singh, S. Sattur, Guthrie Health System, PA, USA  | 367 |
| 10:30 | CARDIORENAL DISEASE: HOW TO MANAGE ISCHEMIA IN PATIENTS WITH SEVERE CKD?(Invited Lecture)<br><b>M.S. Sidhu</b> , Albany Stratton VAMC and Albany Medical Center, Albany, NY, USA   | 368 |
| 10:45 | HIGH-SENSITIVITY ASSAY FOR CADIAC TROPONIN: NOVEL TOOLS FOR RISK PREDICTION IN AMBULATORY PATIENTS (Invited Lecture)<br><b>B.M. Everett</b> , Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA  | 369 |
| 11:00 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |

## MONDAY, AUGUST 1, 2016

08:30 – 10:45

Hall B

### PL15 Plenary Session

#### MECHANISMS CONTRIBUTING TO HEART FAILURE DEVELOPMENT AND PROGRESSION

Chairs: **F. Gao**, Xi'an, Shaanxi, China  
**B.I. Jugdutt**, Edmonton, Alberta, Canada

Abstract No.

- |       |   |     |
|-------|---|-----|
| 08:30 | IMPACT OF EXERCISE CAPACITY FOR RIGHT AND LEFT HEART FAILURE<br><b>A. Hirashiki</b> , T. Kondo, A. Shimizu, T. Murohara<br>Nagoya University Graduate School of Medicine, Nagoya, Japan   | 370 |
| 08:45 | CARDIOVASCULAR EFFECTS OF CARFILZOMIB, A NEW PROTEASOME INHIBITOR, ON CORONARY ARTERY RESISTANCE, VASCULAR TONE AND VASCULAR REACTIVITY<br>(Invited Lecture)<br><b>T.M. Scarabelli</b> , The University of Alabama at Birmingham, Birmingham, AL, USA   | 371 |
| 09:00 | AGING AND HEART FAILURE 2016. UPDATE<br>(Invited Lecture)<br><b>B.I. Jugdutt</b> , University of Alberta, Edmonton, Alberta, Canada   | 372 |
| 09:15 | DIABETES AND HEART FAILURE: AN INFLAMMATORY PERSPECTIVE<br>(Invited Lecture)<br><b>M. White</b><br>Montreal Heart Institute and Universite de Montreal, Montreal, Quebec, Canada  | 374 |
| 09:30 | MYOCARDIAL INSULIN SIGNALING IN ISCHEMIC HEART FAILURE<br>(Invited Lecture)<br>X. Qin, J. Xu, X. Zhang, <b>F. Gao</b><br>Fourth Military Medical University, Xi'an, Shaanxi, China  | 375 |
| 09:45 | HEMODYNAMIC ADAPTATION TO EXERCISE IN HYPERTROPHIC CARDIOMYOPATHY<br>(Invited Lecture)<br><b>Q. Ciampi</b> , C. Viola, B. Villari, Fatebenefratelli Hospital, Beveneto, Italy   | 376 |
| 10:00 | PREVENTION OF LV DIASTOLIC DYSFUNCTION AND ATRIOMEGALY IN THE AGING POPULATION<br>(Invited Lecture)<br><b>H.K. Reddy</b> , R. Komatireddy, Heart and Vascular Institute of Southern Missouri, USA   | 377 |
| 10:15 | CAN GDF-15 BE USED AS A BIOMARKER IN DILATED CARDIOMYOPATHY<br>(Invited Lecture)<br><b>N. Nair</b> , Texas Tech HSC, Lubbock, TX, USA   | 378 |
| 10:30 | CLINICAL UNDERSTANDING OF INFLAMMATION, INDUCING THROMBOGENESIS, RESPIRATORY IMPAIRMENT, MYOCARDIAL CELL APOPTOSIS AND REMODELLING, ANAEMIA AND RENAL DYSFUNCTION IN PATIENTS WITH PULMONARY AND COINCIDENT CARDIAC DYSPNEA<br>(Invited Lecture)<br>I. Angomachalelis, S. Tryfon, G. Kyriazis, <b>N. Angomachalelis</b><br>Aristotle University of Thessaloniki, "G. Papanickolaou" General Hospital, Thessaloniki, Macedonia, Greece | 379 |
| 10:45 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION  |     |



**S34 HYPERTENSION, LIPIDS, DIABETES AND CARDIOVASCULAR DISEASE – FROM BENCH TO BEDSIDE**

Chairs **D. Jezova**, Bratislava, Slovak Republic  
**S. Mora**, Boston, MA, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 08:30 | RISK OF INCIDENT CARDIOVASCULAR DISEASE ACCORDING TO THE METABOLIC HEALTH AND OBESITY STATES<br><b>D. Navarro-González</b> , L. Sánchez-Íñigo, A. Fernández-Montero, J. Pastrana-Delgado, J. Alfredo Martínez<br>Garcia-Orcoyen Hospital, Navarra Health Service - Osasunbidea. Spain                  | 380 |
| 08:45 | STATINS REPRESS THE OXLDL-INDUCED HUMAN DENDRITIC CELL MATURATION AND SUBSEQUENT T CELL PROLIFERATION<br><b>A. Liu</b> , Y. Zhang, J. Sun, J. Frostegard<br>Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden  | 381 |
| 09:00 | RENAL ARTERY DENERVATION IN KAZAKHSTAN: IMPACT OF ETHNICITY AND AGE<br><b>A.A. Mussayev</b> , M.A. Aripov, S.A. Alimbayev, M.A. Temirkulov, E.B. Otarbaev, A.Y. Goncharov, G.K. Zhusupova, Y.V. Pya<br>National Research Cardiac Surgery Center, Astana, Kazakhstan                                    | 382 |
| 09:15 | THE CARDIOVASCULAR PRESENTATIONS AND OUTCOMES OF DIABETIC PATIENTS ADMITTED TO THE HEART HOSPITAL OVER 2 DECADES: INSIGHT FROM A HIGH-INCOME DEVELOPING COUNTRY<br><b>A.A. El-Menyar</b> , J. Al Suwaidi, H. Al-Thani, H. AlBinali, R. Singh<br>Clinical Research, Hamad General Hospital, Doha, Qatar | 382 |
| 09:30 | CENTRAL OBESITY: AN INDEPENDENT ROLE OR SYNERGISTIC EFFECT TO METABOLIC SYNDROME ON LEFT VENTRICULAR FUNCTION (SYSTOLIC VS DIASTOLIC)?<br>F.F. Salim, S.W. Bakhoun, Z.A. Ashour, <b>D.R. Elremisy</b><br>Kasralainy Hospital. Cardiology Department, Cairo University, Egypt                           | 384 |
| 09:45 | PEROXIREDOXIN1 PROTECTS MACROPHAGES FROM IMPAIRED LIPOPHAGIC FLUX BY OXIDATIVE STRESS IN ATHEROSCLEROSIS<br><b>G.T Oh</b> , S.-J Jeong, S Kim<br>Ewha Womans University, Seoul, South Korea  | 385 |
| 10:00 | HYPOLIPIDEMIC EFFECT OF MANNAN IN ACUTE LIPEMIA IN MICE INDUCED BY LIPASE INHIBITOR POLOXAMER 407<br>N.V. Goncharova, M.V. Khrapova, A.P. Lykov, E. Korolenko, Z. Nescakova, <b>T.A. Korolenko</b><br>Inst. Physiol. Fund. Med., Novosibirsk, Russia   | 386 |
| 10:15 | EFFECT OF STATINS ON HIGH SENSITIVITY C-REACTIVE PROTEIN LEVELS IN SYSTEMIC LUPUS ERYTHEMATOSUS – A META-ANALYSIS<br><b>P. Tantrachoti</b> , S. Klomjit, A. Karukote, P. Chariyawong, J. Teerakanok, K. Nugent<br>Texas Tech University Health Sciences Center, Lubbock, TX, USA                       | 387 |

## MONDAY, AUGUST 1, 2016

08:30 – 10:45

Hall C

**S34 HYPERTENSION, LIPIDS, DIABETES AND CARDIOVASCULAR DISEASE –  
FROM BENCH TO BEDSIDE (cont.)**

Abstract No.

10:30 A STUDY OF THE CONFOUNDING RELATIONSHIP OF FOOD,  
ALCOHOL, COFFEE AND CIGARETTE CONSUMPTION ON SUBSEQUENT  
BLOOD PRESSURE READINGS IN AMERICAN POPULATION

388

**R.U. Mian**

The Wright Center for Graduate Medical Education, Scranton, PA, USA

10:45 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

## MONDAY, AUGUST 1, 2016

11:15 – 13:45

Hall A

**PL16 Plenary Session**

**CARDIOVASCULAR DISEASE RISK ASSESSMENT AND PREVENTION: ALL YOU NEED TO KNOW**

Chairs: **A.L. Klatsky**, Oakland, CA, USA  
**R. Manfredini**, Ferrara, Italy

Abstract No.

- |       |  |     |
|-------|--|-----|
| 11:15 | 'LARK' AND 'OWLS', GENDER, AND CARDIOVASCULAR HEALTH<br>(Invited Lecture)<br><b>R. Manfredini</b> , B. Zucchi, A. De Giorgi, F. Fabbian, F. Signani, A. Storari, R. Salmi<br>University of Ferrara, Ferrara, Italy | 389 |
| 11:30 | EDUCATION AND MORTALITY: IS A COLLEGE DEGREE UNIVERSALLY PROTECTIVE? (Invited Lecture)<br><b>A.L. Klatsky</b> , H.N. Tran<br>Kaiser Permanente Division of Research, Oakland, CA, USA                              | 390 |
| 11:45 | SECONDARY PREVENTION OF CARDIOVASCULAR EVENTS<br>(Invited Lecture)<br><b>S. Mora</b><br>Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA  | 391 |
| 12:00 | BIOMARKERS OF THE FUTURE: METABOLOMIC PREDICTORS OF CARDIOMETABOLIC DISEASE (Invited Lecture)<br><b>S. Cheng</b><br>Brigham and Women's Hospital, Boston, and Framingham Heart Study, Framingham, MA, USA          | 392 |
| 12:15 | INTEGRATIVE MEDICINE APPROACHES TO PREVENTING HEART DISEASE (Invited Lecture)<br><b>S. Malik</b><br>University of California, Irvine, Orange, CA, USA  | 393 |
| 12:30 | HOLISTIC HEART HEALTH: INCREASING INTEREST, SCOPE & SIGNIFICANCE (Invited Lecture)<br><b>A. Chockalingam</b><br>University of Missouri - Columbia, Harry S. Truman Memorial Veterans' Hospital, Columbia, MO, USA  | 394 |
| 12:45 | A CURRENT UPDATE ON INFLUENZA AND CARDIOVASCULAR DISEASES (Invited Lecture)<br><b>M. Madjid</b><br>University of Texas Health Science Center at Houston, Houston, TX   | 395 |
| 13:00 | COCOA FLAVANOLS FOR PREVENTION OF DIABETES (Invited Lecture)<br><b>L. Wang</b><br>Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA  | 396 |
| 13:15 | ROLE OF CVD RISK ASSESSMENT IN COPD (Invited Lecture)<br><b>H.M. Lee</b> , J. Lee, K. Lee, Y. Luo, D.D. Sin, N.D. Wong<br>University of California, Irvine, Irvine, CA, USA  | 397 |

## MONDAY, AUGUST 1, 2016

11:15 – 13:45

Hall A

**PL16 Plenary Session**

**CARDIOVASCULAR DISEASE RISK ASSESSMENT AND PREVENTION: ALL YOU NEED TO KNOW (cont.)**

Abstract No.

- 13:30 SERUM MAGNESIUM AND MORTALITY IN THE US GENERAL POPULATION: RESULTS FROM THE NHANES I EPIDEMIOLOGIC FOLLOW-UP STUDY (Invited Lecture) **043**  
X. Zhang, J. Xia, L.C. Del Gobbo, A. Hruby, K. He, Q. Dai, **Y. Song**  
Richard M. Fairbanks School of Public Health, Indiana University, Indianapolis, USA

11:15 – 13:30

Hall B

**S35 VALVULAR HEART DISEASE MECHANISMS AND TREATMENT OPTIONS**

Chairs: **R. Sachdeva**, Atlanta, GA, USA  
**J. Shirani**, Bethlehem, PA, USA

- 11:15 COMPARISON OF EARLY HEMODYNAMIC PERFORMANCE OF STENTED PERICARDIAL AND PORCINE AORTIC VALVES **398**  
**V. Sharma**, S.V. Deo, S.E. Altarabsheh, Y.H. Cho, P.J. Erwin, S.J. Park  
University of Utah, Salt Lake City, UT, USA
- 11:30 CLINICAL OUTCOMES OF TRANSCATHETER AORTIC VALVE REPLACEMENT IN PATIENTS OLDER THAN 85: A SINGLE-CENTER EXPERIENCE **399**  
**S. Gurevich**, E. Ruiz-Rodríguez, E. Missov, D. Dempsey, T. Biring, R. John, K. Liao, D. Yannopolous, G. Raveendran, G. Helmer  
University of Minnesota Medical Center, MN, USA
- 11:45 ASSOCIATION BETWEEN SERUM OSTEOPOINTIN LEVELS AND CALCIFIC AORTIC STENOSIS: A META-ANALYSIS **400**  
**P. Agasthi**, S. Aloor, T. Washington-Plaskett, O. Egbuche, T.R. Dammalapati, R. Sachdeva  
Morehouse School of Medicine, Atlanta, GA, USA
- 12:00 PERIATRIAL DEVICE CLOSURE OF DIFFERENT LOCATIONS OF MITRAL PARAVALVULAR LEAKS USING A PROBE-ASSISTED DELIVERY SYSTEM **401**  
**L. Hongxin**, G. Wenbin, H-Z. Zhang, F. Liang, G. Zhang  
Shandong Provincial Hospital Affiliated to Shandong University, China
- 12:15 DO FASCICULAR BLOCKS CAUSE MITRAL REGURGITATION? **402**  
**E. Obasare**, E. Melendres, V. Bhalla, M.B. West, S. Mainigi, G.S. Pressman, V.M. Figueredo  
Einstein Medical Center, Philadelphia, PA, USA

## MONDAY, AUGUST 1, 2016

11:15 – 13:30

Hall B

### S35 VALVULAR HEART DISEASE MECHANISMS AND TREATMENT OPTIONS (cont.)

		Abstract No.
12:30	AORTIC VALVE REPLACEMENT IN SINGLE CORONARY ARTERY <b>A. Sinha</b> , R. Kumar, J. Shirani St. Lukes' University Health Network, Bethlehem, PA, USA	403
12:45	SPONTANEOUS LEFT ATRIAL DISSECTION CAUSED BY MITRAL VALVE ENDOCARDITIS <b>H. Vefali</b> , M. Durkin, A. Singh, S. Agrawal, S. Longo, M. Averbach, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA	404
13:00	MASSIVE THROMBOSIS OF STRUCTURALLY NORMAL MITRAL VALVE IN PRIMARY ANTI-PHOSPHOLIPID ANTIBODY SYNDROME <b>A. Singh</b> , S. Longo, S. Agrawal, H. Vefali, A. Sinha, A. Shi, J. Amortegui, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA.	405
13:15	A TALE OF TWO OUTCOMES: PSEUDOANEURYSM OF THE MITRAL-AORTIC INTERVALVULAR FIBROSA; A RARE AND DANGEROUS CONDITION <b>K.A. Samtani</b> , R.J. Bohinc, V.S. Tivakaran, J.B. Gibson Wright State University, Dayton, OH, USA	406

**S36 HEART FAILURE: NOVEL RISK FACTORS, PREDICTORS, NEW TREATMENT OPTIONS AND OUTCOME**

Chairs: **L. Djousse**, Boston, MA, USA  
**A. Kazory**, Gainesville, FL, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 11:15 | NO DIFFERENCE IN SODIUM REMOVAL WITH ULTRAFILTRATION THERAPY VERSUS CONVENTIONAL DIURETIC THERAPY IN PATIENTS WITH ACUTE HEART FAILURE<br>A. Koratala, S.I. Qadri, <b>A. Kazory</b><br>University of Florida, Gainesville, Florida, USA  | 407 |
| 11:30 | EFFICACY AND SURVIVAL IN PATIENTS WITH CARDIAC CONTRACTILITY MODULATION: LONG-TERM SINGLE CENTER EXPERIENCE IN 81 PATIENTS<br><b>J. Kuschyk</b> , S. Roeger, B. Rudic, K. Stach, C. Weiss, T. Papavassilliu, B. Rouso, D. Burkhoff, M. Borggreffe<br>University Medical Centre, I. Medical Department, Mannheim, Germany               | 408 |
| 11:45 | ULTRAFILTRATION VS PHARMACOLOGICAL DIURESIS IN HEART FAILURE: A META-ANALYSIS<br>N. Agrawal, <b>A. Jain</b> , A. Kazory<br>University of Florida, Gainesville, FL, USA   | 409 |
| 12:00 | HEART FAILURE CARE PATHWAY: STANDARDIZING CARE TO IMPROVE OUTCOMES<br><b>S. Agarwal</b> , G. Cherukuri, R. Dhaliwal, N. Agarwal, J. Lansburg<br>Biltmore Cardiology, Phoenix, AZ, USA  | 410 |
| 12:15 | RACIAL DIFFERENCES IN CLINICAL CHARACTERISTICS OF HEART FAILURE WITH PRESERVED EJECTION FRACTION<br><b>Y.R. Patel</b> , K.E. Kurgansky, T.F. Imran, A.R. Orkaby, K. Cho, D.R. Gagnon, Y. Ho, J.M. Gaziano, L. Djousse, J. Joseph<br>Boston VA Healthcare System, Boston, MA, USA   | 411 |
| 12:30 | RISK FACTORS ASSOCIATED WITH DIAGNOSTIC DISCREPANCY FOR LEFT VENTRICULAR HYPERTROPHY BETWEEN ELECTROCARDIOGRAPHY AND ECHOCARDIOGRAPHY<br><b>M. Pareek</b> , S.S. Petersen, L.R. Pedersen, M.L. Nielsen, S.Z. Diederichsen, M. Leosdottir, P.M. Nilsson, A.C.P. Diederichsen, M.H. Olsen<br>Odense University Hospital, Odense, Denmark | 412 |
| 12:45 | ECHOCARDIOGRAPHIC PREDICTORS OF HEART FAILURE IN HYPERTENSIVE CARDIOMYOPATHY<br><b>A. Bhullar</b> , M. Bhullar, M. Singh, K. Muhyieddeen, B. Khatri, R. Ferdman, A. Najafi, C. Katikireddy<br>UCSF Fresno Medical Education Program, Fresno, CA, USA   | 413 |

## MONDAY, AUGUST 1, 2016

11:15 – 13:45

Hall C

### S36 HEART FAILURE: NOVEL RISK FACTORS, PREDICTORS, NEW TREATMENT OPTIONS AND OUTCOME (cont.)

Abstract No.

- 13:00 THE EFFECT OF MATERNAL OBESITY ON THE EXPRESSION AND FUNCTIONALITY OF PLACENTAL P-GLYCOPROTEIN: IMPLICATIONS IN THE INDIVIDUALIZED TRANSPLACENTAL DIGOXIN TREATMENT FOR FETAL HEART FAILURE 414  
**C. Wang**, K.Y. Zhou, H.Y. Li, Y.F. Li, Y. Zhang, Y.M. Hua  
West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China
- 13:15 UTILITY OF THE LACE INDEX AT THE BEDSIDE IN PREDICTING 30-DAY READMISSION OR DEATH IN PATIENTS HOSPITALIZED WITH HEART FAILURE 415  
P. Yazdan-Ashoori, S. Lee, Q. Ibrahim, **H.G.C. Van Spall**  
McMaster University, Hamilton, Canada
- 13:30 MIXED TREATMENT ANALYSIS OF TOLVAPTAN, ULTRAFILTRATION AND LOOP DIURETICS IN THE MANAGEMENT OF ACUTE CONGESTIVE HEART FAILURE 416  
**S. Dayanand**, J.M. Martinez, R. Chait  
University of Central Florida, Kissimmee, FL, USA

# MONDAY, AUGUST 1, 2016

08:00 – 13:00

Poster Hall

## P501 MOLECULAR AND CELLULAR CARDIOLOGY, BASIC RESEARCH

Board No.		Abstract No.
1	IMPLICATION OF MIR-1 AND MIR-144 IN INTRALIPID-INDUCED CARDIOPROTECTION AGAINST ISCHEMIA/REPERFUSION INJURY <b>N. Motayaghani</b> , S. Sharma, J. Li, M. Eghbali UCLA, Los Angeles, CA, USA	417
2	REVERSAL OF XYLAZINE-INDUCED BRADYCARDIA WITH INTRALIPID <b>N. Motayaghani</b> , M. Eghbali UCLA, Los Angeles, CA, USA	418
3	HIGH SALT DIET DURING GESTATION ALTERS SALT SENSITIVITY OF THE CARDIOVASCULAR SYSTEM IN OFFSPRING <b>S. Kagota</b> , K. Maruyama, K. Shinozuka Mukogawa Women's University, Nishinomiya, Japan	419
4	STUDY OF THERAPEUTIC AND CARDIOPROTECTIVE EFFECT OF CURCUMIN ON ISOPROTERENOL-INDUCED MYOCARDIAL INJURY IN RATS <b>M.S. Oliveira</b> , L. Zangi, K.M. Mata, V. Blefari, S.G. Ramos University of Sao Paulo, Ribeirao Preto, SP, Brazil	420
5	REGULATION OF REDOX-HOMEOSTASIS BY METABOLIC DRUG ELTACIN IN THERAPY OF AGING PATIENTS WITH ISCHEMIC HEART DISEASE <b>E.V. Kalinina</b> , R.M. Zaslavskaya, Y.R. Nartsissov People's Friendship University of Russia, Moscow, Russia	421
6	EXPRESSION OF OPIOID RECEPTORS DELTA AND KAPPA IN THE HUMAN TISSUE OF DIABETIC'S PATIENTS M. Ismail, A. Rungatscher, M.A. Gebrie, G.B. Luciani, I. Cristobo, S. Notararigo, C. Chen-Scarabelli, <b>T. Scarabelli</b> , G. Faggian University of Verona, Italy	422
7	SUBTY PE-SPECIFIC PROMOTER-DRIVEN ACTION POTENTIAL IMAGING FOR PRECISE DISEASE MODELING AND DRUG TESTING IN HIPSC-DERIVED CARDIOMYOCYTES <b>Z. Chen</b> , W. Xian, M. Bellin, T. Dorn, Q. Tian, C.L. Mummery, P. Lipp, A. Moretti, D. Sinnecker, K.L. Laugwitz Technical University of Munich, Munich, Germany	423



## MONDAY, AUGUST 1, 2016

08:00 – 13:00

Poster Hall

### P502 ACUTE CORONARY SYNDROMES, INTERVENTIONAL THERAPIES

Board No.		Abstract No.
8	<p>LOW SERUM HIGH DENSITY LIPOPROTEIN CHOLESTEROL LEVEL AND LOW BODY MASS INDEX ARE ASSOCIATED WITH CONTRAST-INDUCED ACUTE KIDNEY INJURY IN PATIENTS UNDERGOING PRIMARY PERCUTANEOUS CORONARY INTERVENTION FOR MYOCARDIAL INFARCTION</p> <p>B.M. Choi, <b>Y.O. Kim</b>, H.W. Kim The Catholic University, Seoul, Korea</p>	424
9	<p>DEFINITIVE ACUTE STENT THROMBOSIS IN A PATIENT WITH NON-ST ELEVATION MYOCARDIAL INFARCTION</p> <p><b>S. Zamin</b>, G. Wilson, K. Suarez, K. Slicker Baylor Scott &amp; White Health/Texas A&amp;M College of Medicine, TX, USA</p>	425
10	<p>WELLENS' SYNDROME REVISED</p> <p><b>S. Oo</b>, K. Khalighi, C. May, <b>T.T. Aung</b> Easton Hospital, Easton, PA, USA</p>	426
11	<p>DIFFUSE MULTIVESSEL CORONARY ARTERY SPASM (CAS) INDUCED BY GUIDEWIRE INSERTION LEADING TO CARDIAC ARREST: A CASE REPORT</p> <p><b>B.T. Yeneneh</b>, B. Louka, E. Yang, D. Fortuin Mayo Clinic, Arizona, USA</p>	427
12	<p>ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION AND FACTORS ASSOCIATED WITH STENT CHOICE</p> <p><b>J.D. Nunez Breton</b>, J.C. Duque Ballesteros, C.A. Gomez, C. Rueda Rios, J.P. Zambrano, C.E. Mendoza, A. Ferreira Jackson Memorial Hospital, Miami, FL, USA</p>	428
13	<p>METHYLENEDIOXYMETHAMPHETAMINE (MDMA) INDUCED SPONTANEOUS CORONARY ARTERY DISSECTION</p> <p><b>F. Benn</b>, A. Afzal, B. Subedi, M. Majumder, New York Methodist Hospital, Weill Cornell Affiliate, Brooklyn, NY, USA</p>	429
14	<p>ECTATIC CORONARY VESSELS WITH MULTIPLE GIANT ANEURYSMS</p> <p><b>K. Tan</b>, F. Kho, I. Syed Khoo Teck Puat Hospital, Singapore</p>	430
15	<p>DECADE LONG TRENDS (2001-2011) IN THE USE OF EVIDENCE BASED MEDICAL THERAPIES AT THE TIME OF HOSPITAL DISCHARGE FOR PATIENTS SURVIVING ACUTE MYOCARDIAL INFARCTION: A POPULATION BASED PERSPECTIVE</p> <p><b>R.P. Makam</b>, N. Erskine, D.D. McManus, D. Lessard, J.M. Gore, J. Yarzebski, R.J. Goldberg Department of Quantitative Health Sciences University of Massachusetts Medical School Worcester, MA, USA</p>	431

# MONDAY, AUGUST 1, 2016

08:00 – 13:00

Poster Hall

## P503 LIPIDS, OBESITY, METABOLIC SYNDROME AND DIABETES

Board No.		Abstract No.
16	DIABETES AND ISCHEMIC HEART DISEASE DEATH IN PEOPLE AGE 25-54: A MULTIPLE-CAUSE-OF-DEATH ANALYSIS BASED ON OVER 400 000 DEATHS FROM 1990 TO 2008 IN NEW YORK CITY <b>A.M. Quinones</b> , I. Lobach, G.A. Maduro, N.R. Smilowitz, H.R. Reynolds NYU Langone Medical Center, New York, NY, USA	432
17	SERUM MAGNESIUM AND IMPAIRED FASTING GLUCOSE IN NON-DIABETIC ADULTS L.C. Del Gobbo, X. Zhang, L. Wang, H.D. Sesso, J.E. Manson, A. Pradhan, <b>Y. Song</b> Division of Cardiovascular Medicine, Stanford University, Stanford, CA, USA	433
18	ASSOCIATION BETWEEN THE RS11614913 POLYMORPHISM IN THE HSA-MIR-196A2 AND OBESITY-RELATED PARAMETERS <b>O. Coltell</b> , D. Corella, R. Barragan-Arnal, E.M. Asensio, R. Fernandez-Carrion, O. Portoles, E. Ferriz, J.I. Gonzalez, J.M. Ordovas, J.V. Sorli CiberOBN, Madrid, Spain	434
19	HYPOLIPIDEMIC EFFECT OF MANNAN IN ACUTE LIPEMIA IN MICE INDUCED BY POLOXAMER 407 N.V. Goncharova, M.V. Khrapova, A.P. Lykov, E. Korolenko, Z. Nescakova, <b>T.A. Korolenko</b> Institute of Physiology and Fundamental Medicine, Novosibirsk, Russia	435
20	THE OBESITY PARADOX DECODED: BMI AFFECTS CO-MORBIDITIES BUT NOT OUTCOMES IN ISCHEMIC STROKE <b>J.A. Pieper</b> , M. Ashamalla, D. Sedhom, N. Yager, M. Torosoff Albany Medical College, Albany, NY, USA	436

## MONDAY, AUGUST 1, 2016

08:00 – 13:00

Poster Hall

### P504 HYPERTENSION

Board No.		Abstract No.
21	LIFE-STYLE CHARACTERISTICS AND CARDIOVASCULAR DISEASES IN TOUR MANAGERS Y-C Tseng, F-Y Lan, <b>H-R Guo</b> Chang Jung Christian University, National Cheng Kung University, Taiwan	437
22	CFC NATIONAL SURVEY ON HYPERTENSION TREATMENT G.V. Gaudio, L.U. Guasti, S.T. Carugo, A.L. Lupi, L.U. Gianturco, G.I. Derosa, <b>A. Palmarini</b> on Behalf of the CFC National Hypertension Board, Italy	438
23	EFFECT OF OLMESARTAN ALONE, AND IN COMBINATION WITH AZELNIDIPINE IN THE CONTROL OF HYPERTENSION AND PLASMA B-TYPE NATRIURETIC PEPTIDE LEVELS <b>N. Fujino</b> , K. Hayashi, K. Sakata, T. Konno, T. Tsuda, Y. Nagata, R. Teramoto, A. Nomura, Y. Tanaka, M. Yamagishi Kanazawa University, Kanazawa, Japan	439
24	THE RELATIONSHIP BETWEEN BLOOD PRESSURE VARIABILITY AND 10-YEAR CARDIOVASCULAR RISK M. Celik, U.C. Yuksel, <b>E. Yildirim</b> , E. Gursoy, M. Koklu, S. Yasar, S. Gormel, B. Bagan, C. Barcin Gulhane Military Medical Academy, Ankara, Turkey	440

### P505 VALVULAR HEART DISEASE

25	MITRAL VALVE DISEASE IN THE UNITED STATES: RETROSPECTIVE ANALYSIS OF HOSPITALIZATIONS AND SURGICAL PROCEDURES USING THE NATIONAL INPATIENT SAMPLE <b>M.E. Stuntz</b> Deerfield Institute, New York, NY, USA	441
26	RECENT TRENDS IN PREVALENCE, MICROBIOLOGY, TREATMENT, AND OUTCOME OF INFECTIVE ENDOCARDITIS IN END-STAGE RENAL DISEASE <b>S. Agrawal</b> , N. Bhatia, D. Mohananeey, A. Singh, A. Sinha, A. Abichandani, M. Fegley, A. Quddus, S. Nanda, J. Shirani St Luke's University Health Network, Bethlehem, PA, USA	442
27	UNUSUAL COMPLICATION FROM A RARE ENDOCARDITIS: AORTA-RIGHT VENTRICLE FISTULA AND MITRAL VALVE PERFORATION <b>F. Khan</b> , M. Garrido, E. Kostacos, V. Mallavarapu Abington Jefferson Health, Abington, PA, USA	443

## MONDAY, AUGUST 1, 2016

08:00 – 13:00

Poster Hall

**P505 VALVULAR HEART DISEASE (cont.)**

Board No.		Abstract No.
28	INTERCOMMISSURAL DISTANCE AS THE LONE ANNULOPLASTY RING SIZING STRATEGY MAY NOT PREVENT SAM <b>S. Edla</b> , E. Maiodna, S. Neupane, H. Rosman St John Hospital and Medical Center, Detroit, MI, USA	444
29	STABILIZED RATE OF AORTIC VALVE SURGERY PERFORMED IN THE UNITED STATES IN RECENT YEARS WITH MARKEDLY LOWER RATE PERFORMED IN WOMEN <b>M.R. Movahed</b> , M. Hashemzadeh, M. Hashemzadeh CareMore, Tucson, Arizona, USA	445
30	ST-SEGMENT ELEVATION DURING BRONCHOSCOPY: A CASE OF LEFT-SIDED CARCINOID HEART DISEASE <b>A.D. Franklin</b> , R. J Lundstrom, Kaiser Permanente Medical Center, Oakland, CA, USA	446
31	NATIVE VALVE EMPHYSEMATOUS ENTEROCOCCAL ENDOCARDITIS <b>A. Singh</b> , S. Longo, S. Nanda, S. Agrawal, H. Vefali, A. Quddus, A. Abhichandani, A. Sinha, N. Radoianu, A. Shi, J. Amortegui, J. Shirani	447



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INTERNATIONAL ACADEMY OF CARDIOLOGY  
ANNUAL SCIENTIFIC SESSIONS 2016  
21st WORLD CONGRESS ON  
**HEART DISEASE**

BOSTON, MA, USA, JULY 30-AUGUST 1, 2016

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