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ANNUAL SCIENTIFIC SESSIONS 2016
21st WORLD CONGRESS ON
HEART DISEASE

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

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INTERNATIONAL ACADEMY OF CARDIOLOGY

Affiliated with:
AMERICAN COLLEGE OF CARDIOLOGY, CALIFORNIA CHAPTER
THE AMERICAN SOCIETY FOR PREVENTIVE CARDIOLOGY
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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.

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

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## 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, 21st 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,

[Signature]

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Masahiko Tsuchiya, Japan
Yasunori Ueda, Japan
Barry F. Uretsky, USA
Héctor H. Valdivia, USA
Niels van Royen, The Netherlands
Stephen F. Vatner, USA
Hector O. Ventura, USA
Da-Zhi Wang, USA
S. Goya Wannamethee, UK
Helmut P. Weber, Germany
Nanette K. Wenger, USA
Wang Wenru, Singapore
James Wong, UK
Nathan D. Wong, USA
Lei Yang, USA
Masafumi Yano, Japan
Jian Ye, Canada
Ertan Yetkin, Turkey
Mitsuhiro Yokota, Japan
Hongki Yoo, Korea
Maliha Zahid, USA
Youjua Zhang, USA
Xi-Long Zheng, Canada
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.

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. Elefteriades, 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 Jawahaw L. Mehta, USA
2005 Francis G. Spinale, USA
2007 Thomas Force, USA
2008 Robert Roberts, Canada
2010 Pawan K. Singal, Canada
2011 Dipak K. Das, USA
2012 Teruhiko Toyo-Oka, Japan
2013 Anne A. Knowlton, USA
2014 Kenneth Maiese, USA
2015 Samuel C. Dudley, USA
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

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>1995</td>
<td>Kanu Chatterjee, USA</td>
<td>USA</td>
</tr>
<tr>
<td>1996</td>
<td>Shahbudin H. Rahimtoola, USA</td>
<td>USA</td>
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<td>1997</td>
<td>Robert A. O’Rourke, USA</td>
<td>USA</td>
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<tr>
<td>2000</td>
<td>A. Jamil Tajik, USA</td>
<td>USA</td>
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<tr>
<td>2002</td>
<td>Daniel S. Berman, USA</td>
<td>USA</td>
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<td>2003</td>
<td>David H. Spodick, USA</td>
<td>USA</td>
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<td>2005</td>
<td>Shlomo Stern, Israel</td>
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<td>2007</td>
<td>George W. Vetrovec, USA</td>
<td>USA</td>
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<td>2008</td>
<td>Udho Thadani, USA</td>
<td>USA</td>
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<tr>
<td>2010</td>
<td>Navin C. Nanda, USA</td>
<td>USA</td>
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<tr>
<td>2011</td>
<td>Michael H. Criqui, USA</td>
<td>USA</td>
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<tr>
<td>2012</td>
<td>Barry F. Uretsky, USA</td>
<td>USA</td>
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<tr>
<td>2013</td>
<td>Julius M. Gardin, USA</td>
<td>USA</td>
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<td>2014</td>
<td>James D. Marsh, USA</td>
<td>USA</td>
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<tr>
<td>2015</td>
<td>Gregory W. Barsness, USA</td>
<td>USA</td>
</tr>
</tbody>
</table>
INTERNATIONAL ACADEMY OF CARDIOLOGY DISTINGUISHED FELLOWSHIP AWARDS

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

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. Dhall, 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

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.

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

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, 21st World Congress on Heart Disease has been approved for 23 AMA- PRA Category 1 Credits™.

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, 21st World Congress on Heart Disease. Participants should make their own arrangements with respect to health and travel insurance.
GENERAL INFORMATION (Cont.)

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

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
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.

Sunday, July 31, 2016

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@contextmedialnc.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
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.

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

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 (HFrEF)

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.
SATURDAY, JULY 30, 2016

09:00 – 10:15  Hall A

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. Elefteriades, 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
Chairman, Section of Preventive Cardiology
International Academy of Cardiology

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. Elefteriades, 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

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

**09:45  THE WAR ON HEART FAILURE** (Invited Lecture)  
**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** (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 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)  
**L.W. Miller**  
Morgan Heart Institute, Clearwater, FL, USA

**11:30  THYROID HORMONE TREATMENT OF HEART FAILURE: IS THERE A THERAPEUTIC WINDOW?** (Invited Lecture)  
**A. Martin Gerdes**  
New York Institute of Technology-College of Osteopathic Medicine, Old Westbury, NY, USA
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Abstract No.</th>
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<tbody>
<tr>
<td>11:45</td>
<td>ALCOHOL CONSUMPTION AND INCIDENCE OF HEART FAILURE IN MEN WITH CORONARY ARTERY DISEASE (Invited Lecture)</td>
<td>006</td>
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<td><strong>L. Djousse, J.M. Gaziano</strong></td>
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<td>Brigham and Women’s Hospital and Harvard Medical School, Boston, MA, USA</td>
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<td>12:00</td>
<td>30-DAY ALL-CAUSE HOSPITAL READMISSION IN HEART FAILURE: FINDINGS FROM PROPENSITY SCORE MATCHED STUDIES (Invited Lecture)</td>
<td>007</td>
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<td><strong>A. Ahmed</strong></td>
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<td>The Washington DC VA Medical Center, MD, USA</td>
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<td>12:15</td>
<td>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)</td>
<td>008</td>
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<td>University of California, Los Angeles, CA, USA</td>
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<td>12:30</td>
<td>INDUCTION OF ENDOGENOUS T REGULATORY CELLS IS EFFECTIVE IN TREATING HEART FAILURE AND HEART FAILURE-INDUCED LUNG REMODELING (Invited Lecture)</td>
<td>009</td>
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<td><strong>A. Chen, H. Wang, L. Hou, Y. Chen</strong></td>
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<td>University of Minnesota Medical School, Minneapolis, MN, USA</td>
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<td>12:45</td>
<td>SIRTUINS AS REGULATORS OF MITOCHONDRIAL FITNESS AND EVOLUTION OF HEART FAILURE (Invited Lecture)</td>
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<td><strong>M.P. Gupta</strong></td>
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<td></td>
<td>University of Chicago, Chicago, IL, USA</td>
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<td>13:00</td>
<td>MONTREAL COGNITIVE ASSESSMENT IS SUPERIOR TO STANDARDIZED MINI-MENTAL STATUS EXAM IN DETECTING MILD COGNITIVE IMPAIRMENT IN HEART FAILURE (Invited Lecture)</td>
<td>011</td>
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<td><strong>K. Alagiakrishnan, D. Mah, J. Dyck, A. Senthilselvan, J. Ezekowitz</strong></td>
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<td></td>
<td>University of Alberta, Edmonton, Alberta, Canada,</td>
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<tr>
<td>13:15</td>
<td>LUNCH BREAK, VISIT POSTERS AND EXHIBITION</td>
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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)
J.J. Mahmarian
Houston Methodist DeBakey Cardiology Associates, Houston, TX, USA

11:00 PET AND CT ASSESSMENT OF CORONARY FLOW PHYSIOLOGY (Invited Lecture)
D.S. Berman, M. Motlagh, D. Dey, J.D. Friedman, S.W. Hayes, L.E.J. Thomson, L. Shaw, B.K. Tamarappoo, G. Germano, P. Slomka
Cedars-Sinai, Los Angeles, California USA

11:15 NOVEL METHODS OF ISCHEMIA EVALUATION BY COMPUTED TOMOGRAPHY (Invited Lecture)
J.K. Min
Weill Cornell Medicine, Dalio Institute of Cardiovascular Imaging, New York, NY, USA

11:30 ECHOCARDIOGRAPHIC ASSESSMENT OF LEFT VENTRICULAR DIASTOLIC FUNCTION: AN UPDATE (Invited Lecture)
S.F. Nagueh Armanious
Methodist DeBakey Heart and Vascular Center, Houston, TX, USA

11:45 SELECTING BETWEEN CORONARY CTA VERSUS FUNCTIONAL TESTING: DOES IT MAKE A DIFFERENCE? (Invited Lecture)
R. Blankstein
Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA

12:00 LOOKING INTO HIGH-RISK PLAQUE AND DES BIOLOGY: HIGH-SPEED INTEGRATED OCT-NIRF (Invited Lecture)
J.W. Kim, Korea University Guro Hospital, Seoul, South Korea

12:15 PET/CT-DETERMINED PERFUSION AND CORONARY FLOW IN CLINICAL ROUTINE (Invited Lecture)
T.H. Schindler, Johns Hopkins University, Baltimore, MD, USA

12:30 ROLE OF CAC TESTING IN 2016: SHARED DECISION MAKING FOR INFORMED CHOICES (Invited Lecture)
K. Nasir, Baptist Health South Florida, Miami, FL, USA

12:45 COMPUTED TOMOGRAPHY ANGIOGRAPHY VS. CORONARY ANGIOGRAPHY: A 3D VESSEL FEATURE COMPARISON AND VALIDATION (Invited Lecture)
J.A. Garcia, Orlando Health, Orlando, FL, USA

13:00 LUNCH BREAK, VISIT POSTERS AND EXHIBITION
**PL03**  
**Plenary Session**  
**CELLULAR AND MOLECULAR MECHANISMS OF CARDIOVASCULAR DISEASES: FROM BASIC RESEARCH TO TRANSLATIONAL MEDICINE**

**Chairs:**  
K. Maiese, Newark, NJ, USA  
K.N. Pandey, New Orleans, LA, USA

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**10:45**  
**TRANSLATING VASCULAR BIOLOGY INTO CLINICAL CARE FOR CARDIOLOGY** (Invited Lecture)  
K. Maiese  
Rutgers University of Medicine & Dentistry of New Jersey, Cellular and Molecular Signaling, Newark, NJ, USA

**11:00**  
**GENETIC BASIS OF CARDIAC DYSFUNCTION: PROTECTIVE ROLE OF ALL-TRANS RETINOIC ACID AND HISTONE DEACETYLASE INHIBITOR** (Invited Lecture)  
K.N. Pandey, U. Subramanian, P. Kumar, I. Mani, I. Kessler, R. Raghavaraju  
Tulane University Health Sciences Center, New Orleans, LA, USA

**11:15**  
**FINDING NOVEL ANTI-FIBROTIC THERAPIES USING A DUAL-REPORTER MOUSE THAT TRACKS FIBROBLAST CELL TRANSITIONS IN VIVO AND IV VITRO** (Invited Lecture)  
C.S. Long, V. Martinelli, S. Zacchigna  
University of Colorado, Denver, CO, USA

**11:30**  
**INCREASED M2 MACROPHAGES REDUCES PRO-INFLAMMATORY CYTOKINES IN ATHEROSCLEROSIS** (Invited Lecture)  
D.K. Singla  
University of Central Florida, Orlando, FL, USA

**11:45**  
**EXTRACELLULAR MATRIX TURNOVER IN VASCULAR CALCIFICATION** (Invited Lecture)  
W. Kong  
Peking University Health Science Center, Beijing, China

**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, E. Biessen  
Maastricht University, Maastricht, Netherlands

**12:15**  
**GENOME-WIDE IDENTIFICATION AND CHARACTERIZATION OF CARDIAC HYPERTROPHY-RELATED LONG NONCODING RNAs (CH-LNCRNAS) IN MICE** (Invited Lecture)  
D-Z. Wang, Z-P. Wang  
Boston Children’s Hospital, Harvard Medical School, Boston, MA, USA

**12:30**  
**SHORT AND LONG NON-CODING RNAs AS BIOMARKERS OF ACUTE CARDIAC CONDITIONS** (Invited Lecture)  
Y. Devaux  
Luxembourg Institute of Health, Luxembourg
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)  
**M. Zahid**  
University of Pittsburgh, Pittsburgh, PA, USA

13:00 DECIPHERING THE ROLE OF MITOPHAGY IN THE HEART DURING FASTING (Invited Lecture)  
**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)  
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)  
**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  
Aurora Health Care, Milwaukee, WI, USA

11:15 EARLY ANTIPLATELET THERAPY UPGRADE IN STEMI PATIENTS TREATED WITH PRIMARY PCI  
**A. Lupi**, M. Lazzero, A. Rognoni, C. Cavallino, A.S. Bongo  
AOU Maggiore della Carita’, Novara, Italy
BIODEGRADABLE POLYMER DRUG ELUTING STENT: EFFICACY AND SAFETY WITH SHORT REGIMEN OF ANTIPLATELET THERAPY
Hospital Costa del Sol, Marbella, Spain

SYSTEMATIC REVIEW OF THE UTILITY OF THROMBUS ASPIRATION IN PATIENTS WITH STEMI UNDERGOING PRIMARY PCI
NY Methodist Hospital, Brooklyn, NY, USA

DOES AN UPRIGHT T WAVE IN LEAD V1 PREDICT SIGNIFICANT CORONARY ARTERY DISEASE?
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

DUAL ANTIPLATELET THERAPY AFTER CORONARY ARTERY BYPASS GRAFTING IN THE SETTING OF ACUTE CORONARY SYNDROME
M. Agarwal, R. Bomb, C.S. Oliphant, R.N. Khouzam
University of Tennessee Health Science Center, Memphis, TN, USA

ST ELEVATED MYOCARDIAL INFARCTION AS AN EPIPHENOMENON OF NON CARDIOVASCULAR DISEASE
J.M. Telayna, J.M. Telayna (h), R.A. Costantini
Hospital Universitario Austral, Buenos Aires, Argentina

LUNCH BREAK, VISIT POSTERS AND EXHIBITION
<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
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<tbody>
<tr>
<td>041</td>
<td>1</td>
<td>BETA3-ADRENOCEPTOR GENE EXPRESSION IN RAT ADIPOSE TISSUE IN RESPONSE TO REPEATED IMMUNE CHALLENGE</td>
<td>A. Csanova, M. Pokusa, D. Jezova</td>
<td>Biomedical Research Center Slovak Academy of Sciences, Bratislava, Slovak Republic</td>
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<td>042</td>
<td>2</td>
<td>VALIDATED GENETIC BIOMARKERS FOR PREDICTION OF INDIVIDUAL RISK OF MYOCARDIAL INFARCTION IN RUSSIANS</td>
<td>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</td>
<td>Russian Cardiology Scientific and Production Center, Moscow, Russia</td>
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<td>044</td>
<td>3</td>
<td>ACUTE EFFECTS OF AIR POLLUTION ON CARDIOVASCULAR DISEASE</td>
<td>S-W Yang, H-R Guo</td>
<td>National Cheng Kung University, Tainan, Taiwan</td>
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<td>045</td>
<td>4</td>
<td>RELATIONSHIP BETWEEN FAMILY HISTORY OF CARDIOVASCULAR DISEASE ON CORONARY CALCIUM SCORE</td>
<td>S. Saberian, S. Banga, S. Mungee, K. Wattanakit</td>
<td>OSF St. Francis Medical Center, University of Illinois College of Medicine at Peoria, IL, USA</td>
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<td>046</td>
<td>5</td>
<td>EPIDEMIOLOGY OF LOW-DOSE ASPIRIN USE FOR PRIMARY AND SECONDARY PREVENTION OF CARDIOVASCULAR DISEASE</td>
<td>M.E. Stuntz</td>
<td>Deerfield Institute, New York, NY, USA</td>
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<td>047</td>
<td>6</td>
<td>DEVELOPMENT OF A HEALTH PROMOTION MODEL GUIDED LIFESTYLE INTERVENTION PROGRAM FOR ADULTS WITH METABOLIC SYNDROME</td>
<td>Q. Wang, S.Y. Chair, E.M.L. Wong</td>
<td>The Nethersole School of Nursing, Faculty of Medicine, The Chinese University of Hong Kong</td>
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<td>048</td>
<td>7</td>
<td>KNOWLEDGE OF HEART DISEASE IN FEMALE AND MALE COLLEGE STUDENTS</td>
<td>M. Granieri, C. Bavishi, A. Koulova, J.P. Cordova, J. Tamis-Holland</td>
<td>Mt. Sinai St. Luke’s Hospital, New York, NY, USA</td>
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<td>049</td>
<td>8</td>
<td>PATTERNS OF REFERRAL AND IMMEDIATE CLINICAL IMPACT OF CORONARY ARTERY CALCIUM SCORING</td>
<td>A. Quddus, A. Smith, M. Mclane, S. Agrawal, A. Sinha, D. Prutzman, J. Shirani, F. Burt</td>
<td>St. Luke’s University Health Network, Bethlehem, PA, USA</td>
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**P102 PREVENTION OF CORONARY ARTERY DISEASE / RISK FACTORS FOR ATEROTHROMBOTIC DISEASE (cont.)**

| THE B12/CRP INDEX AS A SIMPLE INDICATOR OF CORONARY ARTERY DISEASE IN AN ADULT POPULATION |
| G.D. Spyromitros, I.D. Lagos, E.S. Papadopoulou, G.H. Katerini Cardiology Department, Katerini, Greece |

<table>
<thead>
<tr>
<th>P103 PREDICTORS AND MARKERS OF HEART FAILURE OUTCOME</th>
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</thead>
</table>

| GROUPING OF PATIENTS ON RELATION TO HOSPITAL READMISSION BY ACUTE HEART FAILURE |
| J.M. Quintana, 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 |

| A PREDICTIVE MODEL OF 30 DAYS DEATH IN ADMITTED PATIENTS BY ACUTE HEART FAILURE |
| J.M. Quintana, 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 |

| CONGESTIVE HEART FAILURE CLINICS: HOW TO MAKE THEM WORK IN A COMMUNITY-BASED HOSPITAL SYSTEM |
| M. Kabach, O. Kreidieh, J. Larned, L. Tamariz, K. Raimondo University of Miami Miller School of Medicine, Miami, Florida, USA |

| EVALUATION OF IN-PATIENT CLINICAL OUTCOMES OF GUIDELINE-BASED THERAPY FOR ACUTE HEART FAILURE |
| K.G. Castillo, R.E. Ramboyong The Medical City, Pasig, Philippines |
### P104  Pediatric Cardiology and Cardiac Surgery / Congenital Heart Disease

<table>
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<tr>
<th>Board No.</th>
<th>Abstract No.</th>
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<th>Authors</th>
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<tr>
<td>15</td>
<td>056</td>
<td>Tilt Table Testing to Diagnose Pseudosyncope in the Pediatric Population</td>
<td>J.A. Robinson, J.K. Shivapour, C.S. Snyder</td>
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<tr>
<td>16</td>
<td>057</td>
<td>Five Heart Chambers at 60 Years: A Rare Presentation of Cor Triatrium Sinistrum</td>
<td>A.S. Saggu, A.S. Rajabalan, S.V. Patel, P. Patel, T. Singh</td>
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<td>17</td>
<td>058</td>
<td>Late Complications of D-Transposition of the Great Arteries S/P Mustard Procedure</td>
<td>K.S. Patel, K. Ramasubbu, B. Subedi</td>
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<td>18</td>
<td>059</td>
<td>Healthy Caregivers-Healthy Children: A Primary Prevention Program with Preschool Children</td>
<td>R.N. Natale, S.E. Messiah, C. Chang, K. Sardinas, J. Fitzgibbons, S. Peraza</td>
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### P105  Cardiovascular Quality Improvement and Outcome

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<th>Board No.</th>
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<tr>
<td>19</td>
<td>060</td>
<td>Appropriateness of Aero Medical Transport for Cardiac Emergencies</td>
<td>A. Aggarwal, J. Heslop, S. Banga, S. Mungee, K. Kalvakuri</td>
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<tr>
<td>20</td>
<td>061</td>
<td>Decreased Duplicate Testing with Electronic Medical Records. A Study of 7,400 Nuclear Medicine Stress Tests</td>
<td>A. Avezbadalov, F. Mushtaq, P. Hardigan, J.I. Rozanski, M.A. Chizner</td>
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<td>22</td>
<td>063</td>
<td>Changes in Management of STEMI with Multivessel Disease in a Cardiac Catheterization Lab</td>
<td>J.B. Halevy, P.B. Gogo</td>
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</table>
P105  CARDIOVASCULAR QUALITY IMPROVEMENT AND OUTCOME (cont.)

Board No.  Abstract No.

23  064

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

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
# 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

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<tr>
<th>Time</th>
<th>Title</th>
<th>Invited</th>
<th>Abstract No.</th>
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<tbody>
<tr>
<td>14:00</td>
<td>Pathogenesis and Therapy of Diabetic Cardiomyopathy</td>
<td>Invited</td>
<td>065</td>
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<td><strong>N.S. Dhalla</strong></td>
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<td></td>
<td>St. Boniface Hospital Albrechtsen Research Centre, University of Manitoba, Winnipeg, MB, Canada</td>
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<td>14:15</td>
<td>Sex Differences in the Cardiovascular Consequences of Diabetes Melliutus</td>
<td>Invited</td>
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<td><strong>N.K. Wenger</strong></td>
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<td>Emory University School of Medicine, Atlanta, GA, USA</td>
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<td>14:30</td>
<td>Statins in the Treatment and Prevention of Cardiovascular Diseases: Current and Emerging Clinical and Public Health Challenges</td>
<td>Invited</td>
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<td><strong>C.H. Hennekens</strong>, E.H. Lieberman; M.H. Rubenstein; P.R. Hebert; D.L. DeMets; M.A. Pfeffer</td>
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<td>Florida Atlantic University, Boca Raton, FL, USA</td>
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<td>14:45</td>
<td>Statin Intolerance - Novel Biomarkers, Mechanisms, Definition, and Effective Management. A Way to Improve Therapy Adherence and Avoid Statin Discontinuation?</td>
<td>Invited</td>
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<td><strong>M. Banach</strong></td>
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<td>Medical University of Lodz, Poland</td>
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<td>15:00</td>
<td>Evolution of PCSK9 MAB Therapy for Dyslipidemia</td>
<td>Invited</td>
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<td><strong>N.D. Wong</strong></td>
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<td>University of California, Irvine, CA, USA</td>
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<td>15:15</td>
<td>The Highly Difficult Lipoprotein: Controversies and New Directions</td>
<td>Invited</td>
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<td><strong>R.S. Rosenson</strong></td>
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<td>Icahn School of Medicine at Mount Sinai, New York, NY, USA</td>
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<td>15:30</td>
<td>Comprehensive Cardiovascular Risk Reduction in the Metabolic Syndrome and Diabetes</td>
<td>Invited</td>
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<td><strong>L.S. Sperling</strong></td>
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<td>Emory University School of Medicine, Atlanta, USA</td>
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<td>15:45</td>
<td>PDE5 Inhibition in Protection of Diabetic Heart</td>
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<td><strong>R.C. Kukreja</strong></td>
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<td>S.S. Koka, L. Xi, A. Varma, F.N. Salloum, E.J. Lesnefsky, A. Das</td>
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<td>Virginia Commonwealth University Richmond, VA, USA</td>
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<td>16:00</td>
<td>Initial Stages of Obesity Are Associated with Increased Cardiovascular Activation under Stress</td>
<td>Invited</td>
<td>073</td>
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<td><strong>D. Jezova</strong>, B. Prokopova, N. Hlavacova</td>
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<td>Slovak Academy of Sciences, Bratislava, Slovakia</td>
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PL04  Plenary Session  
LIPIDS, OBESITY, METABOLIC SYNDROME AND DIABETES (cont.)  

Joint Session with the American Society for Preventive Cardiology

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, J. Han  
Nankai University, Tianjin, China  

16:30  MACROPHAGE DEPOSITION OF CHOLESTEROL INTO THE EXTRACELLULAR MATRIX – A PATHWAY FOR REVERSE CHOLESTEROL TRANSPORT (Invited Lecture)  
National Institutes of Health, Bethesda, Maryland, USA  

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

Chairs: F.A. Arabia, Los Angeles, CA, USA  
S.H. Rahimtoola, Los Angeles, CA, USA

14:00 VALVE PROSTHESIS-PATIENT MISMATCH (VP-PM): A LONG-TERM PERSPECTIVE (Invited Lecture)  
D. Daneshvar, S.H. Rahimtoola  
University of Southern California, Los Angeles, CA, USA

14:15 TRANSCATHETER AORTIC VALVE IMPLANTATION SHORTENS THE QTC INTERVAL IN PATIENTS WITH SEVERE AORTIC VALVE STENOSIS  
Lankenau Medical Center, Wynnewood, PA, USA

14:30 CHANGING PATHOLOGY OF THE AORTA: FROM ACUTE TO CHRONIC DISSECTION  
Aortic Institute at Yale-New Haven Hospital, Yale University School of Medicine, New Haven, CT, USA

14:45 OUTCOMES IN NONAGENARIANS UNDERGOING TRANSAORTIC VALVE REPLACEMENT IN A SINGLE CARDIOVASCULAR CENTER  
J.E. Pino, 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

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, A. Rajabalan, P. Patel, A. Saggu, M. Patel, T. Singh  
Western Reserve Health Education/NEOMED, Youngstown, OH, USA

15:15 ISCHEMIC PATIENTS UNDERGOING CARDIAC SURGERY HAVE SIGNIFICANT MITOCHONDRIAL COMPLEX I DYSFUNCTION  
D. Schipper, C. O’Hare, R. Palmsa, D. Dicken, T. Kazui, Z. Khalpey  
University of Arizona College of Medicine, Department of Surgery, Tucson, AZ, USA

15:30 THE USE OF EXTRACORPOREAL MEMBRANE OXYGENATION FOR CARDIAC INDICATIONS: A TERTIARY CENTER EXPERIENCE  
M. Rivera, R. Mendirichaga, S. Chaparro, M. Murman, V. Singh, R.N. Cardoso, G. Fernandes, M. Pardinas, S. Dickens, S. Krick  
University of Miami Leonard M. Miller School of Medicine, Miami, USA

15:45 RECURRENT PERICARDIAL EFFUSION IN A HEART TRANSPLANT RECIPIENT MANAGED WITH A PLEURX CATHETER  
B. Louka, E. Kransdorf, E. Yang, L. Lanza, O. Pajaro  
Mayo Clinic, Arizona, USA
**S22 NEW DIRECTIONS IN CARDIOVASCULAR SURGERY: HEART VALVE SURGERY / CORONARY REVASCULARIZATION / MECHANICAL CIRCULATORY SUPPORT / CARDIAC TRANSPLANTATION (cont.)**

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<tr>
<td>16:00</td>
<td>TRENDS IN TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR)</td>
<td><strong>S. Gurevich</strong>, E. Ruiz-Rodriguez, E. Missov, S. Garcia, T. Biring, D. Yannopolous, R. John, K. Liao, G. Raveendran, G. Helmer</td>
<td>University of Minnesota Medical Center, MN, USA</td>
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<td>16:15</td>
<td>MARKERS OF IMPROVEMENT AFTER ECMO IMPLANTATION</td>
<td><strong>A. Rifai</strong>, T. Yousuf, A. Tatooles, W. Cotts, G. Bhat</td>
<td>Advocate Christ Medical Center, Chicago, IL, USA</td>
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<td>16:30</td>
<td>CORRELATION OF DEMOGRAPHIC PROFILE AND CLINICAL RISK FACTORS WITH SYNTAX SCORE TO PREDICT SEVERITY OF CAD IN PATIENTS UNDERGOING CABG</td>
<td><strong>S.P. Shashidharan</strong>, S. Banga, S. Mungee, E. Mukhopadhyay</td>
<td>OSF St. Francis Medical Center, University of Illinois College of Medicine at Peoria, IL, USA</td>
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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
Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel

14:15 NEW IDEAS ON HYPERTENSION TREATMENT (Invited Lecture)
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
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
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
St George Hospital, Sydney, Australia.

15:15 ASSOCIATION BETWEEN CANCER AND CORONARY HEART DISEASE – NHANES 2011-2012
P. Agasthi, D. Adedinsewo, 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
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
Baptist Desoto Hospital, Southaven, MS; USA

16:00 THE OBESITY PARADOX ALSO OCCURS AMONG HISPANIC PUERTO RICAN PATIENTS PRESENTING WITH ACUTE CORONARY SYNDROMES
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
A. Rajabal, B. Bat, T. Bat, A. Elmoglobin, T. Jose, S. Patel, S. Lutton, A. Bhatti,
Western Reserve Health Education/NEOMED, Youngstown, OH, USA

16:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

49
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

16:45  WHAT HAPPENS TO THE BRAIN AFTER MYOCARDIAL INFARCTION? (Invited Lecture)  
J.L. Mehta, X. Wang  
University of Arkansas for Medical Sciences and VA Medical Center, Little Rock, AR, USA

17:00  CpG DNA REGULATION OF COAGULATION: IMPLICATIONS FOR ACUTE CORONARY ARTERY DISEASE (Invited Lecture)  
J.G. Filep  
University of Montreal, Montreal, Quebec, Canada

17:15  TICAGRELOR AND STATIN HAVE SYNERGISTIC EFFECTS ON MYOCARDIAL PROTECTION AGAINST ISCHEMIA-REPERFUSION INJURY (Invited Lecture)  
Y. Ye, S. Nylander, Y. Birnbaum  
Baylor College of Medicine, Houston, TX, USA

17:30  ROLE OF MICROPARTICLES IN CARDIOVASCULAR CALCIFICATION (Invited Lecture)  
J.D. Hutcheson, E. Aikawa  
Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA

17:45  INTRAMYOCARDIAL HEMORRHAGE AFTER ACUTE MYOCARDIAL INFARCTION; PATHOGENESIS AND CLINICAL IMPLICATIONS (Invited Lecture)  
N. van Royen  
VU University Medical Center, Amsterdam, The Netherlands

18:00  DIFFERENCES IN META-ANALYSES RESULTS IN CARDIAC CELL-BASED REGENERATIVE THERAPIES (Invited Lecture)  
M. Gyöngyösi, Medical University of Vienna, Vienna, Austria

18:15  EVOLVING CELLULAR THERAPY IN CARDIOVASCULAR AND PERIPHERAL VASCULAR DISEASES (Invited Lecture)  
University of South Florida, Tampa Florida, USA

18:30  ROLE OF CD4+ T-CELLS AFTER MYOCARDIAL INFARCTION (Invited Lecture)  
U. Hofmann, University Clinic Halle(Saale), Germany

18:45  RISK FACTORS FOR NON-PLATELET THROMBOXANE GENERATION (Invited Lecture)  
J.J. Rade, N. Kakouros, S.M. Nazarian, P.B. Stadler, T.J. Kickler  
University of Massachusetts Medical School, Worcester, MA, USA
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

16:45 INCIDENCE OF VENTRICULAR ARRHYTHMIAS IN CYSTIC FIBROSIS PATIENTS TREATED WITH CHRONIC AZITHROMYCIN THERAPY AND OTHER QT PROLONGING DRUGS
A.K. Tripathi, M. Mohammed, L. Fitzpatrick, M. Bromstedt, D. Lakkireddy, D. Polineni
Kansas University Medical Center, Kansas City, KS, USA

17:00 CATHETER ABLATION RELATED CORONARY OCCLUSION AND TAMPONADE - A DOUBLE HIT
University of Arkansas for Medical Sciences, Little Rock, AR; USA

17:15 DISTRIBUTION OF ADRENERGIC AND CHOLINERGIC NERVE FIBERS WITHIN INTRINSIC NERVES AT THE LEVEL OF THE HUMAN HEART HILUM
V. Petraitiene, D.H. Pauza, R. Benetis
Medical Academy, Lithuanian University of Health Sciences, Kaunas, Lithuania

17:30 COMPARING R2CHADS2 AND CHA2DS2VASC SCORES IN STROKE PATIENTS WITH NON-VALVULAR ATRIAL FIBRILLATION AND RENAL FAILURE
M.R. Vindhyal, S.R. Vindhyal, T. Haneke, P. Ndunda, F. Eid, J.K. Kallail
KUSM - Wichita, Wichita, Kansas, USA

17:45 LEFT ATRIAL DYSYNCHRONY AS A PREDICTOR OF POSTOPERATIVE ATRIAL FIBRILLATION IN CANCER PATIENTS
The University of Texas MD Anderson Cancer Center, Houston, TX, USA

18:00 DOES OBESITY IMPACT THE RECURRENCE OF ATRIAL FIBRILLATION AFTER CRYOABLATION USING THE ARCTIC FRONT ADVANCE CATHETER?
A. Avezbadalov, S. Pollack, A.F. Osman
The Heart Center of Excellence, NOVA Southeastern University, Fort Lauderdale, FL, USA

18:15 SHORT PR: IT IS NOT ALWAYS WOLFF-PARKINSON-WHITE SYNDROME
P. Christia, I. Katsa, J. Miles, R. Faillace
Albert Einstein College of Medicine Jacobi Medical Center, Bronx, NY, USA
S25 PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY, CONGENITAL HEART DISEASE

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

16:45 VALIDATION OF AN EARLY WARNING SCORE FOR INDENTIFYING HOSPITALIZED CHILDREN AT RISK FOR CLINICAL DETERIORATION
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
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
R. Bhardwaj, A. Kumar, D. Agrawal, B. Mohapatra
Dept. of Zoology, Institute of Science, BHU, Varanasi, India

17:30 CLINICAL RESEARCH ON FETAL BRADYCARDIA
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?
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
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
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
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
18:45  YIELD OF SPORTS PREPARTICIPATION CARDIOVASCULAR SCREENING IN MIDDLE AND HIGH SCHOOL STUDENTS  
St. Luke's University Health Network, Bethlehem, PA, USA  

19:00  RESOLUTION OF EARLY SECOND TRIMESTER HYDROPS FETALIS FOLLOWING TREATMENT OF FETAL TACHYCARDIA  
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
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<tr>
<td>1</td>
<td>131</td>
<td>ASSESSMENT OF ASCENDING AORTIC DIAMETER BY TRANSTHORACIC ECHOCARDIOGRAPHY: AGE AND SEX SPECIFIC REFERENCE VALUES IN ADULTS WITH AND WITHOUT SYSTEMIC HYPERTENSION</td>
<td>G. Kumar, <strong>C. Ayoub</strong>, P. Thapa, F.A. Miller, P.C. Spittell</td>
<td>Emory University School of Medicine, Atlanta, GA, USA</td>
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<td>2</td>
<td>132</td>
<td>LARGE CARDIAC HAMARTOMA: CHARACTERIZATION OF MASS AND MANAGEMENT WITH IMAGING</td>
<td><strong>C. Ayoub</strong>, S.A. Luis, J. Maleszewski, P. Pellikka</td>
<td>Mayo Clinic, Rochester, MN, USA</td>
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<td>3</td>
<td>133</td>
<td>MERCILESS, METASTATIC, MALIGNANCY TO THE HEART: CASE OF PULMONARY SARCOMATOID ADENOCARCINOMA</td>
<td><strong>H. Narayanasamy</strong>, T. Naqvi, S.M. Wilansky</td>
<td>Mayo Clinic, Arizona, USA</td>
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<td>4</td>
<td>134</td>
<td>CORRELATION OF 2D AND 3D ECHOCARDIOGRAPHIC LEFT VENTRICULAR EJECTION FRACTIONS AMONG PATIENTS WITH ACUTE CORONARY SYNDROME</td>
<td><strong>J. Salvanera</strong>, I. Bundalian, R. Ramboyong</td>
<td>The Medical City, Pasig City, Philippines</td>
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<td>5</td>
<td>135</td>
<td>A CASE OF INFERIOR VENA CAVA MASS ON ECHOCARDIOGRAPHY</td>
<td><strong>A. Quddus</strong>, A. Smith, M. Mchlane, S. Agrawal, A. Singh, S. Longo, J. Shirani</td>
<td>St. Luke's University Health Network, Bethlehem, PA, USA</td>
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<td>6</td>
<td>136</td>
<td>A GIANT LEFT ATRIAL MASS: NOT A MYXOMA</td>
<td><strong>C. Gallegos</strong>, V. Singh, <strong>M. Rivera-Maza</strong>, R. Colombo, R.C. Hendel</td>
<td>University of Miami, Miller School of Medicine, FL, USA</td>
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<td>137</td>
<td>IMPACT OF DIABETES MELLITUS ON SUBCLINICAL ATHEROSCLEROSIS IN ASYMPTOMATIC INDIVIDUALS</td>
<td><strong>J.A. Ryu</strong>, G.M. Park, D.W. Kim, T.S. Kim, C.J. Kim, J.S. Cho, M.W. Park, S.H. Her, J.B. Kwon</td>
<td>Daejeon St. Mary’s Hospital, the Catholic University of Korea, Seoul, Korea</td>
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<td>8</td>
<td>138</td>
<td>IS NON-INVASIVE MEASUREMENT OF CARDIAC OUTPUT USING ELECTRICAL CARDIOMETRY IN PATIENTS WITH AORTIC STENOSIS A RELIABLE METHOD?</td>
<td>P. Teeffy, R. Bagur, K. Karimi-Shahri, J. Teeffy, R. Sule, C. Phillips, <strong>K. Norozi</strong></td>
<td>Western University, London, ON, Canada</td>
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<td>9</td>
<td>139</td>
<td>IMPACT OF INITIAL FUNCTIONAL EVALUATION COMPARED WITH INVASIVE ANGIOGRAPHY FOR STABLE CORONARY ARTERY DISEASE</td>
<td><strong>G.S. Jung</strong>, 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</td>
<td>Daejeon St. Mary’s Hospital, the Catholic University of Korea, Seoul, Korea</td>
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<td>P202 NOVEL DIAGNOSTIC METHODS AND IMAGING TECHNIQUES (cont.)</td>
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<td><strong>THE EFFECT OF NEGATIVE CARDIAC NUCLEAR STRESS ON EMERGENCY-ROOM VISIT AND READMISSION FOR CHEST PAIN</strong>&lt;br&gt;S. Talebi, O. Zaher, H. Reyes, O. Olatunde, F. Visco, G. Pekler&lt;br&gt;New York Medical College - Metropolitan Hospital Center, New York, NY, USA</td>
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<td><strong>MULTIMODALITY APPROACH IN PERCUTANEOUS INTERVENTION OF RENAL ARTERY FIBROMUSCULAR DYSPLASIA IN AN 80-YEAR OLD FEMALE</strong>&lt;br&gt;N. Katta, P. Velagapudi, M. Mittal, H. Agrawal, A. Kumar&lt;br&gt;University of Missouri School of Medicine, Columbia, MO, USA</td>
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<td><strong>THE PANTYHOSE PROJECT</strong>&lt;br&gt;D.A. Bloomfield, F. Rotatori&lt;br&gt;Richmond University Medical Center, Staten Island, New York, USA</td>
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<td><strong>THE EFFICACY OF SONOGRAPHIC MEASUREMENT OF INFERIOR VENA CAVA DIAMETER AS AN ESTIMATE OF CENTRAL VENOUS PRESSURE</strong>&lt;br&gt;W. Ciozda, I. Kedan, R. Khandwalla, R. Zimmer, A. Kimchi&lt;br&gt;David Geffen School of Medicine, University of California, Los Angeles, California, USA</td>
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<td><strong>INCIDENTAL FINDING OF INTERVENTRICULAR MEMBRANOUS SEPTAL ANEURYSM IN A PATIENT WITH SUPRAVENTRICULAR TACHYCARDIA</strong>&lt;br&gt;F. Elmi, M. Sharma, B. Ganguly&lt;br&gt;Drexel University College of Medicine, Philadelphia, PA, USA</td>
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<td>P203 CARDIOVASCULAR DISEASE: PROGNOSIS, RISK ASSESSMENT</td>
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<td><strong>UTILITY OF SIGNAL-AVERAGED HOLTER ELECTROCARDIOGRAM AFTER PILSICAINIDE PROVOCATION FOR RISK STRATIFICATION IN BRUGADA SYNDROME</strong>&lt;br&gt;J. Kakihara, M. Takagi, Y. Hayashi, H. Tatsumi, A. Doi, K. Sugioka, M. Yoshiyama&lt;br&gt;Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka, Japan</td>
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<td><strong>THE IMPACT OF SOCIOECONOMIC HEALTH DISPARITIES IN CONGESTIVE HEART FAILURE IN OUT PATIENT MANAGEMENT A CASE SERIES RETROSPECTIVE ANALYSIS OF DIAGNOSED CASES</strong>&lt;br&gt;R. Patel, A. Patel, M. Singh, M.D. Dao, B. Hussain, K. George&lt;br&gt;Clinical Trial Network, Houston, TX, USA</td>
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P204 NEW INSIGHTS INTO PATHOGENESIS AND MANAGEMENT OF HEART FAILURE

Board No. 17  
Abstract No. 147  
COMPARABLE LONG-TERM PROGNOSIS AFTER THE CHANGE FROM ANGIOTENSIN-CONVERTING ENZYME INHIBITOR TO ANGIOTENSIN RECEPTOR BLOCKER IN ACUTE MYOCARDIAL INFARCTION  
H.Y. Kim, S.M. Lim, K.Y. Chang, W.S. Chung, K.B. Seung  
The Catholic University of Korea, Seoul, Korea

Board No. 18  
Abstract No. 148  
THE EFFECT OF INTRAHEPATIC CHOLESTASIS OF PREGNANCY ON THE EXPRESSION AND FUNCTIONALITY OF PLACENTAL P-GLYCOPROTEIN IN MICE: IMPLICATIONS IN THE INDIVIDUALIZED TRANSPLACENTAL DIGOXIN TREATMENT FOR FETAL HEART FAILURE  
C. Wang, Y.M. Hua, Y. Zhang, Y.F. Li, K.Y. Zhou  
West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China

Board No. 19  
Abstract No. 149  
SODIUM TANSHINONE IIA SULFONATE AND SODIUM DANSHEN SU OPEN THE PLACENTAL BARRIER THROUGH DOWN-REGULATION OF PLACENTAL P-GLYCOPROTEIN IN MICE: IMPLICATIONS IN THE TRANSPLACENTAL DIGOXIN TREATMENT FOR FETAL HEART FAILURE  
C. Wang, K.Y. Zhou, Y.F. Li, Y.F. Zhang, Y.M. Hua  
West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China

P205 MISCELLANEOUS

Board No. 20  
Abstract No. 150  
ASSESSING THE COMPETENCY OF INTERNAL MEDICINE RESIDENTS IN ELECTROCARDIOGRAM INTERPRETATION  
A. Kodra, T. Rambhatla, S. Patel, N. Coplan  
Lenox Hill Hospital, New York, NY, USA

Board No. 21  
Abstract No. 151  
A LARGE MASS OBLITERATING THE RIGHT VENTRICLE: A TUMOR OR A THROMBUS?  
S. Patnaik, M. Shah, S. Sharm, H. Seetha Rammohan, A. Rubin  
Albert Einstein Medical Center, Philadelphia, PA, USA

Board No. 22  
Abstract No. 152  
ASSESSMENT THE ROLE OF CORONARY CLEARANCE FRAME COUNT IN PATIENTS WITH CARDIAC SYNDROME X  
E. Yildirim, 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

Board No. 23  
Abstract No. 153  
MULTI-CHAMBER CARDIAC EMBOLUS DETECTED WITH MULTI-MODAL IMAGING  
V. Tavakoli, R. Grodman, J. Nfonoyim, A.R. Chaudery, V. Pandian  
Richmond University Medical Center, New York, NY, USA

Board No. 24  
Abstract No. 154  
CARDIOVASCULAR DISEASE IS ASSOCIATED WITH AN INCREASED RISK OF FRAILTY IN ELDERLY RESIDENTS OF A LONG-TERM CARE FACILITY  
C.J. Hsieh, N.F. Miao  
National Taipei University of Nursing and Health Sciences, Taipei, Taiwan
<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>155</td>
<td>PSEUDOHYPONATREMIA CAUSED BY LIPOPROTEIN X IN OBSTRUCTIVE BILIARY CHOLESTASIS SECONDARY TO PANCREATIC CANCER</td>
<td>K. Anouti, J. Clark, M. Maalouf, E. Gnall, T. Phiambolis, T. Shapiro</td>
<td>Lankenau Medical Center, Wynnewood, PA, USA</td>
</tr>
<tr>
<td>26</td>
<td>156</td>
<td>CARDIAC TUBERCULOMA PRESENTING AS THROMBOTIC THROMBOCYTOPENIC PURPURA-HEMOLYTIC UREMIC SYNDROME</td>
<td>E.A. Christian, R.M. Mehta, R.N. Khouzam</td>
<td>University of Tennessee Health Sciences Center, Memphis, TN, USA</td>
</tr>
<tr>
<td>27</td>
<td>157</td>
<td>A CASE REPORT OF CELIAC GANGLION BLOCK IN POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME</td>
<td>H.Y. Mistry, S.E. Hamid, A. Suleman</td>
<td>The Heartbeat Clinic, McKinney, Texas, USA</td>
</tr>
<tr>
<td>28</td>
<td>158</td>
<td>LARGE HEPATIC CYST AND PATENT FORAMEN OVALE: UNUSUAL COMBINATION PRODUCING PLATYPNEA-ORTHODEOXIA SYNDROME</td>
<td>B.A. Foreman, J Hansen</td>
<td>Penn State Hershey Medical Center/College of Medicine, Hershey, PA, USA</td>
</tr>
<tr>
<td>29</td>
<td>159</td>
<td>USE OF HIGH FREQUENCY PERCUSSIVE VENTILATOR AS BRIDGE TO ORGAN PROCUREMENT: LIFE GOES ON</td>
<td>F. Benn, A. Ashwad, I. Gulkarov, B. Fahour, F. Khusid, M. Majumder</td>
<td>New York Methodist Hospital, Brooklyn NY USA</td>
</tr>
</tbody>
</table>
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. Elefteriades, 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)
        C-L. Liu, H. Wemmelund, J.S. Lindholt, A. Daugherty, B.D. Levy, P. Libby, G-P. Shi
        Brigham and Women’s Hospital and Harvard Medical School, Boston, MA, USA

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)
        M.J. Sanz, A. Collado, P. Escudero, C. Rius, P. Marques, L. Piqueras
        Faculty of Medicine, University of Valencia, Valencia, Spain

09:00  THE CENTRAL ROLE OF SMOOTH MUSCLE CELL MITOCHONDRIA IN THE PREVENTION OF ABDOMINAL AORTIC ANEURYSM BY LOW LEVEL LASER THERAPY  (Invited Lecture)
        L. Gavish, R. Beeri, D. Gilon, C. Rubinstein, Y. Berlatzky, S.D. Gertz
        The Hebrew University of Jerusalem and Hadassah University Hospital, Jerusalem, Israel

09:15  WHAT IS THE PROGRESS WITH TREATMENTS FOR SMALL ABDOMINAL AORTIC ANEURYSMS?  (Invited Lecture)
        J. Golledge
        James Cook University, School of Medicine Townsville, Queensland, Australia

09:30  WHOLE EXOME SEQUENCE FOR THORACIC AORTIC ANEURYSMS  (Invited Lecture)
        Yale University School of Medicine, New Haven, CT, USA

09:45  DILATING VENOUS DISEASE: PATHOPHYSIOLOGY AND A SYSTEMATIC ASPECT TO DIFFERENT VASCULAR TERRITORIES  (Invited Lecture)
        E. Yetkin, International Medical Center, Merçin, Turkey

10:00  MANAGEMENT OF VENOUS THROMBOEMBOLISM  (Invited Lecture)
        T. Tomaru, T. Matsubara, E. Matsubara, S. Kodera
        Toho University Sakura Hospital, Sakura, Japan

10:15  THE 2016 BEST TOOL FOR PERIPHERAL VASCULAR INTERVENTION  (Invited Lecture)
        S.M. Butman
        Verde Valley Medical Center, Cottonwood, AZ, Banner University Medical Center, Tucson, AZ, USA

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

---

**08:30 NOVEL REGULATION OF VASCULAR CALCIFICATION (Invited Lecture)**  
Y. Chen, University of Alabama at Birmingham, Birmingham, AL, USA

**08:45 PREVENTION AND INTERFERENCE OF ATHEROSCLEROTIC HEART DISEASE IN MULTIPLE ANIMAL MODELS (Invited Lecture)**  
S. Chatterjee, D. Bedja, S. Mishra, C. Amuzie, C.A. Foss, M.G. Pomper, R. Bhattacharaya, K.J. Yarema  
Johns Hopkins University, Baltimore, MD, USA

**09:00 GLYCOSAMINOGLYCANS (GAGS) IN CARDIOVASCULAR DISEASE: SEARCHING FOR THE SWEET SPOT (Invited Lecture)**  
A. Lucas, University of Florida, Gainesville, FL, USA

**09:15 OXIDATIVE STRESS AND ENDOTHELIAL DYSFUNCTION (Invited Lecture)**  
C. Chen, J. Lu, Q. Yao  
Baylor College of Medicine, Houston, TX, USA

**09:30 A NANOMEDICAL APPROACH TO THE RESTORATION OF DYSFUNCTIONAL ENDOTHELIUM AND THE FUNCTION OF THE CARDIOVASCULAR SYSTEM (Invited Lecture)**  
T. Malinski, S. Awad, H. Dawoud, Ohio University, Athens, OH, USA

**09:45 EFFECT OF ENDOTHELIAL CELL SENESCENCE ON THE HEAT SHOCK RESPONSE AND CELLULAR FUNCTION (Invited Lecture)**  
A.A. Knowlton, H.T. Hwang  
Sacramento VA Medical Center, Mather, CA USA and University of California, Davis, CA, USA

**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)**  
E.R. Simo-Cheyou, A.K. Srivastava  
CRCHUM, University of Montreal, Montreal, Quebec, Canada

**10:15 MICRORNA REGULATION OF ENDOTHELIAL INFLAMMATION AND ATHEROSCLEROSIS (Invited Lecture)**  
M. Feinberg  
Brigham and Women's Hospital, Boston, MA, and Harvard Medical School, Boston, MA, USA

**10:30 IMPACT OF REACTIVE OXYGEN SPECIES ON CORONARY ARTERIAL REMODELING - A COMPARATIVE INTRAVASCULAR ULTRASOUND AND HISTOCHEMICAL ANALYSIS OF ATHEROSCLEROTIC LESIONS (Invited Lecture)**  
M. Terashima  
Toyohashi Heart Center, Toyohashi, Japan
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)
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)
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
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
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
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)
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.)

09:30   COST EFFECTIVENESS OF CORONARY CT ANGIOGRAPHY IN PATIENTS WITH LOW RISK FOR CORONARY ARTERY DISEASE (CAD) AT A TERTIARY CARE CENTER
K. Kalvakuri, S. Banga, S. Singh, W. Keattiyoat, 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
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
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

08:30   PULMONARY AND HEMODYNAMIC RESPONSES TO FRUCTOSE-1,6-DIPHOSPHATE (FDP) IN PATIENTS WITH ACUTE LUNG INJURY (ALI)
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
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
S. Yazdankhah, S.H. Majidi, M.H Adel, A. Kardooni, 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.)

09:15 A COMPARATIVE ANALYSIS OF CHRONIC HEART FAILURE IN A PREDOMINANT AFRICAN-AMERICAN POPULATION
D. Brito, E. Ladrón-Franco, T. Alnabelsi, J. Penalver, A. Macedo-Dias, H.D. Hares, B. Bozorgnia
Department of Internal Medicine, Einstein Medical Center, Philadelphia, PA, USA

09:30 DOXORUBICIN-INDUCED CARDIOMYOPATHY IN CHRONIC LYMPHOCYTIC LEUKEMIA AND RICHTER’S TRANSFORMATION: DEVELOPMENT OF HEART FAILURE WITH SYSTOLIC AND DIASTOLIC DYSFUNCTION
S.H. Wan, R.L. Frye, Mayo Clinic, Rochester, MN, USA

09:45 PRENATAL TRANS-PLACENTAL DIGOXIN THERAPY FOR FETAL HEART FAILURE: A COHORT STUDY
K.Y. Zhou, C. Wang, Y.F. Li, Y.M. Hua
West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China

10:00 PATIENT PERCEPTIONS ABOUT A HOSPITAL-AT-HOME MODEL OF CARE FOR DECOMPENSATED HEART FAILURE
T. Rahman, Q. Ibrahim, H. Van Spall
McMaster University, Department of Medicine, Hamilton, ON, Canada

10:15 A CASE OF TUBERCULOUS PERICARDITIS MIMICKING LUPUS CARDITIS
C. Panagiota, I. Katsa, J. Miles, R. Faillace
Albert Einstein College of Medicine Jacobi Medical Center, Bronx, NY, USA

10:30 CLINICAL CHARACTERISTICS OF TAKOTSUBO CARDIOMYOPATHY IN THAILAND
A. Ardjnaphai, J. Chaipromprasit
Division of Cardiovascular Medicine, King Chulalongkorn Memorial Hospital, Bangkok, Thailand

10:45 EMBOLIC PARADOX: WHEN TWO WRONGS MAKE A RIGHT
V. Tavakoli, R. Bindu, C. Philip, R. Grodman, D. Bloomfield
Richmond University Medical Center, Staten Island, NY, USA

11:00 COFFEE BREAK, VISIT POSTERS AND EXHIBITION
SUNDAY, JULY 31, 2016

11:15 – 13:30 Hall A

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

11:15 MITRAL INTERVENTION IN CABG PATIENTS: IS LESS EVER MORE? (Invited Lecture)
L.P. Perrault
Montreal Heart Institute, East, Montreal, QC, Canada

11:30 VALVULAR HEART DISEASES 2016: EPIDEMIOLOGY AND IMPACT OF INTERVENTIONS (Invited Lecture)
J.S. Borer, P.G. Supino
SUNY Downstate, New York, NY, USA

11:45 LOW GRADIENT SEVERE AORTIC STENOSIS: ECHO FEATURES AND CLINICAL SIGNIFICANCE (Invited Lecture)
P.A. Pellikka
Mayo Clinic, Rochester, MN, USA

12:00 ATRIAL FUNCTIONAL MITRAL REGURGITATION: THE LEFT ATRIUM GETS ITS DUE RESPECT (Invited Lecture)
B.D. Hoit
University Hospitals Case Medical Center, Case Western Reserve University, Cleveland, OH, USA

12:15 OSTEOGENIC DIFFERENTIATION IS A MECHANISM FOR BIOPROSTHETIC VALVE CALCIFICATION (Invited Lecture)
N.M. Rajamannan
Mayo Clinic, Rochester, MN, USA

12:30 AVOIDING AND SOLVING COMPLICATIONS DURING PERCUTANEOUS CLOSURE OF ASD (Invited Lecture)
A. Lorber
Rambam Medical Campus, Haifa, Israel

12:45 INCREMENTAL VALUE OF MRI IN STAGING THE SEVERITY OF AORTIC STENOSIS
M. Katayama, P.M. Panse, C.B. Kendall, J.R. Daniels, J.P. Sweeney, F.D. Fortuin,
M. Belohlavek, H.P. Chaliki
Mayo Clinic, Scottsdale, AZ, USA

13:00 IMPACT OF PREOPERATIVE PULMONARY ARTERIAL HYPERTENSION ON OUTCOME OF MITRAL VALVE REPLACEMENT
M.A. Gebrie, N. Ahmed, A. Rungatscher, G.B. Luciani, G. Faggian
Division of Cardiac Surgery, University of Verona, Verona, Italy
SUNDAY, JULY 31, 2016

11:15 – 13:30 Hall A

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
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

11:15 – 13:45 Hall B

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)
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)
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)
K. Seidl
Klinikum-Ingolstadt, Germany

12:00 THE MOST COST EFFECTIVE APPROACH TO RISK ASSESSING PATIENTS WITH WOLFF-PARKINSON-WHITE SYNDROME (Invited Lecture)
C.S. Snyder
The Congenital Heart Collaborative, Case Western Reserve University, Cleveland OH, USA

67
SUNDAY, JULY 31, 2016

11:15 – 13:45 Hall B

PL10 Plenary Session
ATRIAL FIBRILLATION AND SUPRAVENTRICULAR TACHYCARDIA: FROM MECHANISMS TO MANAGEMENT (cont.)

12:15 CARDIAC AUTONOMIC NERVE STIMULATION AND ATRIAL FIBRILLATION: EFFECT OF IN VIVO SIMULTANEOUS SYMPATHETIC AND VAGAL EXCITATION (Invited Lecture)
Y. Zhang
Cleveland Clinic, Cleveland, OH, USA, New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA

12:30 METABOLIC PROFILING IN RELATION TO NEW-ONSET ATRIAL FIBRILLATION IN THE COMMUNITY: THE FRAMINGHAM HEART STUDY
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
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
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
Texas Tech University Health Sciences Center, Lubbock, TX, USA

13:30 IMPACT OF CHA2DS2-VASC SCORE ON ATRIAL FIBRILLATION DETECTION IN PATIENTS WITH CRYPTOGENIC STROKE
St. Luke’s University Health Network, Bethlehem, PA, USA

13:45 LUNCH BREAK, VISIT POSTERS AND EXHIBITION
<table>
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<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>11:15</td>
<td>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</td>
<td>C. Barcin, F. Bayram, A. Sonmez, C. Gokce, K. Gundogan, Gulhane Military Medical Academy, Ankara, Turkey</td>
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<td>11:30</td>
<td>ASSESSING THE CARDIOVASCULAR HEALTH BEHAVIORS OF COLLEGE STUDENTS</td>
<td>M. Granieri, J.P. Cordova, A. Koulova, C. Bavishi, S. Trignano, J.E. Tamis-Holland, Mount Sinai St. Luke’s Hospital, NY, USA</td>
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<td>11:45</td>
<td>HOW EFFECTIVE IS LIFESTYLE INTERVENTION IN WEIGHT MANAGEMENT AND DEPRESSION IN ADULTS WITH METABOLIC SYNDROME</td>
<td>Q. Wang, S.Y. Chair, E.M.L. Wong, The Nethersole School of Nursing, Faculty of Medicine, The Chinese University of Hong Kong</td>
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<td>12:00</td>
<td>UPDATE ON ASPIRIN IN THE PRIMARY PREVENTION OF CARDIOVASCULAR DISEASE</td>
<td>C.H. Hennekens, Florida Atlantic University, Boca Raton, FL, USA</td>
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<td>12:15</td>
<td>EFFICACY OF A CARDIOVASCULAR BEHAVIORAL INTERVENTION PROGRAM ON PROGRESSION OF ATHEROSCLEROSIS</td>
<td>N.D. Wong, A. Eisenberg, J. Cecere, C. Patao, H. Eisenberg, University of California, Irvine, CA, USA</td>
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<td>12:45</td>
<td>CAROTID INTIMA MEDIA THICKNESS MEASUREMENT PROMISES TO IMPROVE CARDIOVASCULAR RISK EVALUATION IN HEAD AND NECK CANCER PATIENTS</td>
<td>D. Jacoby, J. Hajj, A. Javaheri, E. Degoma, A. Lin, P. Ahn, H. Quon, University of Pennsylvania, Philadelphia, PA, USA</td>
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<td>13:00</td>
<td>EFFICACY OF A CARDIOVASCULAR BEHAVIORAL INTERVENTION PROGRAM ON MEASURES OF STRESS</td>
<td>A. Eisenberg, N.D. Wong, C. Pateo, J. Cecere, H. Eisenberg, Re-Engineering Healthcare, Tustin, California, USA</td>
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SUNDAY, JULY 31, 2016

11:15 – 13:30 Hall C

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

13:15 EFFECT OF VARIOUS CHILDHOOD ANTHROPOMETRIC MEASURES ON ADULTHOOD CAROTID INTIMA-MEDIA THICKNESS: A SYSTEMATIC REVIEW AND META-ANALYSIS
ICMR Advanced Centre for Evidenced Based Child Health, Advanced Pediatric Centre, PGIMER, Chandigarh, India

13:30 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

11:15 – 13:30 Hall D

S29 CELLULAR, MOLECULAR AND GENETIC MECHANISMS OF CARDIOVASCULAR DISEASE

Abstract No.

11:15 DEPLETION OF THE CEREBLON GENE ENHANCES CARDIAC CONTRACTILITY, CA2+ 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

11:30 MITF SWITCHES FROM ACTIVATOR TO REPRESSOR OF ERBIN EXPRESSION DURING CARDIAC HYPERTROPHY
Hebrew University Medical School, Jerusalem, Israel

11:45 INHIBITION OF LEPTIN RECEPTOR ABOLISHES INTRALIPID-INDUCED CARDIOPROTECTION AGAINST ISCHEMIA-REPERFUSION INJURY
N. Motayagheni, S. Phan, C. Eshraghi, M. Eghbali
UCLA, CA, USA

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
11:15 – 13:30

**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


CiberOBN, Madrid, Spain

**12:30**
RELATIONSHIP BETWEEN ASPIRIN RESPONSE RELATED MICRORNA AND THE RISK OF CARDIOVASCULAR EVENTS IN CAD PATIENTS


Department of Geriatrics, Peking University First Hospital, Beijing, China

**12:45**
A GENETIC VARIANT IN THE CIRCADIAN GENE BMAL1 IS ASSOCIATED WITH HIGHER INCIDENCE OF CARDIOVASCULAR DISEASES


CiberOBN, Madrid, Spain

**13:00**
MMP1 GENE POLYMORPHISM AND CIRCULATING MMP IN ELDERS WITH LIPEMIA AND PATIENTS WITH IHD

**G.A. Paul, N.V. Goncharova, V.M. Belichenko, T.A. Korolenko**

Institute of Physiology and Fundamental Medicine, Novosibirsk, Russia

**13:15**
EVALUATION OF GENETIC PROFILES IN MEDICATION ADJUSTMENTS


Yale University New Haven, CT, USA

**13:30**
LUNCH BREAK, VISIT POSTERS AND EXHIBITION
SUNDAY, JULY 31, 2016

08:00 – 13:00 Poster Hall

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
J. Kim, Y. Young
Sookmyung Women’s University, Seoul, South Korea

2 PROCOLLAGEN TYPE I CARBOXY-TERMINAL PROPEPTIDE IS ASSOCIATED WITH BLOOD PRESSURE, CARDIAC HYPERTROPHY AND DYSFUNCTION, AND PREDICT CARDIOVASCULAR EVENTS IN HEMODIALYSIS PATIENTS
Y.O. Kim, B.M. Choi, S.J. Shin
The Catholic University, Seoul, Korea

3 IDH2 DEFICIENCY IMPAIRS MITOCHONDRIAL FUNCTION IN ENDOTHELIAL CELLS AND ENDOTHELIUM-DEPENDENT VASOMOTOR FUNCTION
S. Jung, C. Kim
Chungnam National University, Daejeon, Korea

4 EFFECTS OF PERIVASCULAR ADIPOSE TISSUE ON VASODILATION DIFFER BY THE SEVERITY OF METABOLIC DISORDERS
S. Kagota, S. Iwata, K. Maruyama, S. Koyanagi, K. Shinozuka
Mukogawa Women’s University, Nishinomiya, Japan

5 TRASTUZUMAB INDUCES SYSTEMIC OXIDATIVE STRESS IN AN EXPERIMENTAL BIOLOGICAL MODEL
Instituto Nacional de Cardiologia “Ignacio Chavez”, Mexico City, Distrito Federal, Mexico

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+ AND CA++ CHANNELS
O.A. Al-Habib, S.S. Khalil
University of Zakho, Kurdistan Region, Iraq

7 PROTEASE-ACTIVATED RECEPTOR-2 RELAXATION OF RAT AORTAS VASODILATION IN METABOLIC SYNDROME
Mukogawa Women’s University, Nishinomiya, Hyogo, Japan
## SUNDAY, JULY 31, 2016

**08:00 – 13:00 Poster Hall**

### P302 PHARMACOLOGIC MODULATION OF VASCULAR - ENDOTHELIAL FUNCTION

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title and Details</th>
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</thead>
<tbody>
<tr>
<td>8</td>
<td>242</td>
<td>THE PROTECTIVE EFFECTS OF PARTHENOLIDE TREATMENT IN MOUSE CORTICAL MICROVASCULAR ENDOTHELIAL CELLS INVOLVED CA2+ CLEARANCE SUPPRESSION BY IMPAIRING PLASMALEMMAL CA2+ PUMP ACTIVITIES AND ER STRESS&lt;br&gt;K.L. Wong, T.Y. Tsai, S.Y. Lou, C.W. Cheung, Y.M. Leung&lt;br&gt;China Medical University &amp; Hospital, Taichung, Taiwan</td>
</tr>
<tr>
<td>9</td>
<td>243</td>
<td>USE OF DEEP SEDATION WITH PROPOFOL TO RELIEVE CATHETER ENTRAPMENT DUE TO SEVERE RADIAL ARTERY SPASM DURING CORONARY ANGIOGRAPHY&lt;br&gt;E.S. Roberto, T. Aung, A. Agarwal&lt;br&gt;Wright State University Department of Internal Medicine, Dayton, OH, USA</td>
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### P303 ACUTE MYOCARDIAL INFARCTION / REPERFUSION THERAPY

<table>
<thead>
<tr>
<th>Board No.</th>
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<tbody>
<tr>
<td>10</td>
<td>244</td>
<td>CORONARY REPERFUSION MANEUVER IN PRIMARY CORONARY INTERVENTION WITH RIGHT CORONARY ARTERY CULPRIT&lt;br&gt;J.M. Telayna, J.M.(h) Telayna, R.A. Costantini&lt;br&gt;Hospital Universitario Austral, Bs As, Argentina</td>
</tr>
<tr>
<td>11</td>
<td>245</td>
<td>CULPRIT IN A CARDIAC ARREST: RIGHT CORONARY ARTERY OR LEFT ANTERIOR DESCENDING&lt;br&gt;O.E Egbuche, P. Agasthi, K. Sivakumar, R. Sachdeva&lt;br&gt;Morehouse School of Medicine and Grady Memorial Hospital, Atlanta, Georgia, USA</td>
</tr>
<tr>
<td>12</td>
<td>246</td>
<td>COMPLETE HEART BLOCK FOLLOWING SUCCESSFUL PERCUTANEOUS CORONARY INTERVENTION OF LEFT MAIN STENOSIS&lt;br&gt;A.F. Chaudhry, P. Agasthi, D. Hirsh, R. Sachdeva&lt;br&gt;Morehouse School of Medicine, Atlanta, GA, USA</td>
</tr>
<tr>
<td>13</td>
<td>247</td>
<td>AN OVERLOOKED UNDERRATED SYMPTOM OF ACUTE MYOCARDIAL INFARCTION IN WOMEN&lt;br&gt;A.C. Grigos, R. Seguritan, D.A. Bloomfield&lt;br&gt;Richmond University Medical Center, Staten Island, NY USA</td>
</tr>
<tr>
<td>14</td>
<td>248</td>
<td>ROLE OF CONTRAST ENHANCED ECHOCARDIOGRAPHY IN PROVIDING LIFE SAVING DIAGNOSIS AFTER ACUTE STEMI&lt;br&gt;J. Kiani, I. Meier, J. Jentzer, R. Daly&lt;br&gt;Mayo Clinic, Rochester, MN, USA</td>
</tr>
<tr>
<td>15</td>
<td>249</td>
<td>HYPERACUTE T-WAVES INDICATIVE OF MYOCARDIAL ISCHEMIA: AN ATYPICAL AND UNDER RECOGNIZED MUST-KNOW PATTERN ON ELECTROCARDIOGRAM&lt;br&gt;K.A. Samtani, O.M. Ali&lt;br&gt;Wright State University, Dayton, OH, USA</td>
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<td>16</td>
<td>250</td>
<td>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</td>
</tr>
<tr>
<td>17</td>
<td>251</td>
<td>QRS COMPLEX FRAGMENTATION AS A PREDICTOR OF MYOCARDIAL SCAR IN PATIENTS WITH TRASTUZUMAB INDUCED CARDIOMYOPATHY</td>
</tr>
<tr>
<td>19</td>
<td>253</td>
<td>DIFFERENTIAL REVERSIBILITY IN HEART FAILURE DUE TO HYPOTHYROIDISM</td>
</tr>
<tr>
<td>20</td>
<td>254</td>
<td>ELECTRO-CARDIOVERSION OF NEW ONSET ATRIAL FLUTTER LEADING TO CARDIOGENIC SHOCK</td>
</tr>
<tr>
<td>21</td>
<td>255</td>
<td>DILATED CARDIOMYOPATHY INDUCED BY CHRONIC STARVATION AND SELENIUM DEFICIENCY</td>
</tr>
<tr>
<td>22</td>
<td>256</td>
<td>TRIPLE TROUBLE: SINGLE CORONARY ARTERY AND CORONARY ARTERY DISEASE IN THE SETTING OF HYPERTROPHIC CARDIOMYOPATHY</td>
</tr>
<tr>
<td>23</td>
<td>257</td>
<td>LEFT VENTRICULAR OUTFLOW TRACK OBSTRUCTION AND MITRAL VALVE REGURGITATION IN A PATIENT WITH TAKOTSUBO CARDIOMYOPATHY</td>
</tr>
</tbody>
</table>
P304 CARDIOMYOPATHIES: PATHOGENESIS AND TREATMENT (cont.)

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<th>Board No.</th>
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<tbody>
<tr>
<td>24</td>
<td>258</td>
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<td>25</td>
<td>259</td>
</tr>
</tbody>
</table>

24 PHASIC COMPRESSION OF LEFT CIRCUMFLEX CORONARY ARTERY DURING ATRIAL SYSTOLE
E.S. Roberto, A. Agarwal, T. Aung
Wright State University Department of Internal Medicine, Dayton, OH, USA

25 CATECHOLAMINE INDUCED CARDIOMYOPATHY
J.Y. Park, D. Snipelisky, S. Kapa
Mayo Clinic, Rochester, MN, USA

P305 ELECTROPHYSIOLOGY: SUDDEN DEATH, ARRHYTHMIAS AND DEVICE THERAPY

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<th>Board No.</th>
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<tr>
<td>26</td>
<td>260</td>
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<td>30</td>
<td>264</td>
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<tr>
<td>31</td>
<td>265</td>
</tr>
</tbody>
</table>

26 DELINEATING THE ASSOCIATION OF MITRAL VALVE PROLAPSE AND SUDDEN CARDIAC DEATH
A. Rafael, E.I. Starobinska, P. Bartko, R.A. Levine, S.A. Lubitz, D.J. Milan
University of Arizona College of Medicine-Phoenix, Phoenix, AZ, USA

27 POST-TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR) AND AV BLOCK – PACING OUTCOMES
A. Mourad, A.F. Chu
Rhode Island Hospital, Brown University, Rhode Island, USA

28 CORONARY ATHEROSCLEROSIS IN NON-CARDIAC SUDDEN UNEXPECTED DEATHS: AN AUTOPSY STUDY OF ASIAN POPULATION
Ramathibodi Hospital, Mahidol University, Bangkok, Thailand

29 POSTMORTEM ECHOCARDIOGRAPHY AT EMERGENCY DEPARTMENT
Seoul National University Hospital, Seoul, Republic of Korea

30 WEARABLE CARDIOVERTER-DEFIBRILLATOR –WHERE ARE THE CLINICAL GUIDELINES?
M. Agarwal, V. Botta, J. Gardner, R. Khouzam
University of Tennessee Health Science Center, Memphis, Tennessee, USA

31 COMPLICATIONS RELATED TO CARDIAC RHYTHM MANAGEMENT DEVICES (CRMD’S) THERAPY AND THEIR FINANCIAL IMPLICATION: A PROSPECTIVE SINGLE-CENTER TWO YEARS SURVEY
Heraklion University Hospital, Crete, Greece
### P305  ELECTROPHYSIOLOGY: SUDDEN DEATH, ARRHYTHMIAS AND DEVICE THERAPY

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<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
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</thead>
<tbody>
<tr>
<td>32</td>
<td>266</td>
<td>PATIENTS FAVOR SHAPE OF MEDTRONIC ICD, BATTERY LIFE OFTEN MORE IMPORTANT</td>
<td>J. Kneller, L. Bird</td>
<td>Yakima Heart Center, Yakima, WA, USA</td>
</tr>
<tr>
<td>33</td>
<td>267</td>
<td>PACEMAKER COMPLICATION DOCUMENTATION AND THE EFFECT OF A CHANGE IN ANTIBIOTIC GUIDELINES</td>
<td>J. Basu, L. West, S. Firoozan</td>
<td>Royal Berkshire Hospital, Reading, UK</td>
</tr>
<tr>
<td>34</td>
<td>268</td>
<td>VENTRICULAR TACHYCARDIA STORM ON THE SAME DAY OF ICD IMPLANTATION FOR PRIMARY PREVENTION. WHAT HAPPENED?</td>
<td>S. Edla, J. Chandrasekaran, S. Neupane, A. Shakir</td>
<td>St John Hospital and Medical Center, Detroit, MI, USA</td>
</tr>
</tbody>
</table>
### PL11 Plenary Session

**TREATING ADVANCED HEART FAILURE – THE PUMPS AND BEYOND**

**Chairs:**
- **M.R. Johnson**, Madison, WI, USA
- **H.N. Sabbah**, Detroit, MI, USA

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>14:00</td>
<td><strong>USE OF THE NONIONIC BLOCK COPOLYMER, VEPOLOXAMER (P-188)</strong> FOR THE TREATMENT OF ADVANCED HEART FAILURE** (Invited Lecture)</td>
<td><strong>H.N. Sabbah</strong>, R.C. Gupta, V. Sing-Gupta, M. Emanuele</td>
<td>Henry Ford Hospital, Detroit, MI, USA</td>
</tr>
<tr>
<td>14:15</td>
<td><strong>THE PRESENT AND FUTURE OF THE TOTAL ARTIFICIAL HEART</strong> (Invited Lecture)</td>
<td><strong>F. Arabia</strong>, I. Gregoric, V. Kasirajan, J. D Moriguchi, D. C Naftel, S. L Myers, J. K Kirklin</td>
<td>Cedars-Sinai Medical Center, Los Angeles, CA, USA</td>
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<td>14:30</td>
<td><strong>THE BENEFITS AND RISKS OF LEFT VENTRICULAR ASSIST DEVICE IMPLANTATION; WHERE IS THE POINT OF CLINICAL EQUIPOISE?</strong> (Invited Lecture)</td>
<td><strong>M.R. Johnson</strong></td>
<td>University of Wisconsin, Madison, WI, USA</td>
</tr>
<tr>
<td>14:45</td>
<td><strong>OPTIONS FOR REMOTE PATIENT MONITORING IN THE LVAD POPULATION</strong> (Invited Lecture)</td>
<td><strong>S.P. Bhavnani</strong>, A. Srivastava, <strong>D. Meyer</strong>, R. Kuo, J. Nowaczyk, L. Wolman, S. Baradarian, T. Heywood</td>
<td>Methodist Health System, Dallas, Texas, USA</td>
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<tr>
<td>15:00</td>
<td><strong>TRANSITION TO STAGE D HEART FAILURE AMONG STABLE OUTPATIENTS WITH SYSTOLIC HEART FAILURE</strong> (Invited Lecture)</td>
<td><strong>A.P. Kalogeropoulos</strong>, A.A. McCue, J.S. Hedley, A. Samman-Tahhan, J.B. Bjork, V.V. Georgiopoulou, J.D. Vega, A.L. Smith</td>
<td>Emory University, Atlanta, GA, USA</td>
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<tr>
<td>15:15</td>
<td><strong>MYOCARDIAL RECOVERY DURING VENTRICULAR UNLOADING IN PATIENTS WITH CHRONIC CARDIOMYOPATHY: ASSESSMENT OF CARDIAC IMPROVEMENT AND WEANING FROM VENTRICULAR ASSIST DEVICES</strong> (Invited Lecture)</td>
<td><strong>M. Dandel</strong></td>
<td>Deutsches Herzzentrum Berlin, Berlin, Germany</td>
</tr>
<tr>
<td>15:30</td>
<td><strong>TREATING FLUID OVERLOAD WITH FLUID; ROLE OF PERITONEAL DIALYSIS IN MANAGEMENT OF HEART FAILURE</strong> (Invited Lecture)</td>
<td><strong>A. Kazory</strong></td>
<td>University of Florida, Gainesville, Florida, USA</td>
</tr>
<tr>
<td>15:45</td>
<td><strong>ACELLULAR BIOLOGICS FOR CARDIAC REGENERATION</strong> (Invited Lecture)</td>
<td><strong>A. Behfar</strong></td>
<td>Mayo Clinic, Rochester, MN, USA</td>
</tr>
</tbody>
</table>
SUNDAY, JULY 31, 2016

14:00 – 16:30  Hall A

**PL11 Plenary Session**
**TREATING ADVANCED HEART FAILURE – THE PUMPS AND BEYOND (cont.)**

16:00  WHOLE HEART REGENERATION WITH HUMAN iPS CELL-DERIVED HEART PROGENITORS (Invited Lecture)
B. Lin, T-Y Lu, J. Kim, M. Sullivian, K. Tobita, G. Salama, L. Yang
University of Pittsburgh, Pittsburgh, PA, USA

16:15  NEWER IMPLANTABLE DEVICES IN HEART FAILURE (Invited Lecture)
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

14:00  ROLE OF ECHOCARDIOGRAPHY IN EPIDEMIOLOGIC STUDIES AND CLINICAL TRIALS: AN HISTORICAL PERSPECTIVE (Invited Lecture)
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)
A. Elhendy
Marshfield Clinic, Marshfield, WI, USA

14:30  MULTIMODALITY IMAGING IN CARDIOMYOPATHY (Invited Lecture)
J. Shirani
St. Luke's University Health Network, Bethlehem, PA, USA

14:45  ECHOCARDIOGRAPHIC QUANTITATION OF AORTIC REGURGITATION (Invited Lecture)
H. Chaliki
Mayo Clinic College of Medicine, Mayo Clinic, Scottsdale, AZ, US
SUNDAY, JULY 31, 2016

14:00 – 16:00  Hall B

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

Abstract No.

15:00  CURRENT STATUS OF INTRAVASCULAR IMAGING  (Invited Lecture)  
S.K.G. Koshy, L.K. George  
Regional One Health - University of Tennessee Health Sciences Center, Memphis TN, USA

15:15  THE USE OF POINT OF CARE ULTRASOUND TO GUIDE MANAGEMENT IN HEART FAILURE  (Invited Lecture)  
I. Kedan, R. Khandwalla, R. Zimmer, K. Birkeland  
Cedars Sinai Heart Institute, Beverly Hills, CA, USA

15:30  POSITIVE STRESS ECHO AND NORMAL CORONARY ARTERIES: HOW OFTEN AND WHY?  (Invited Lecture)  
M. Prokudina, E. Bobrova, E. Shloido, I. Konstantinov, P. Mochalov  
Almazov North-West Medical Research Center, St-Petersburg, Russia

15:45  INTRAVASCULAR OPTICAL IMAGING TECHNOLOGY FOR DETECTION OF HIGH-RISK PLAQUE  (Invited Lecture)  
H. Yoo

16:00  COFFEE BREAK, VISIT POSTERS AND EXHIBITION

14:00 – 16:15  Hall C

**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  
C.L. Liu, H. Wemmelund, J. Lindholt, B. Levy, P. Libby, G.P. Shi  
Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA

14:15  ASSOCIATION BETWEEN HIGH-DENSITY LIPOPROTEIN AND CARDIOVASCULAR DISEASE OUTCOMES  
M.S. Sidhu, M. Pragani, W.E. Boden, R.P. Smith, L.H. Bopp, M.E. Rafferty  
Albany Medical Center and Albany Stratton Veterans Affair Medical Center, Albany, NY, USA

14:30  FAILING TO MEET HEART FAILURE PATIENTS' BASIC NUTRITIONAL NEEDS-WHO'S LISTENING?  
A. Kodra, J. Jacobson, R. Graham  
Lenox Hill Hospital, New York, NY, USA
Abstract No.

14:45 THE RUMC INDEX: PREDICTING MORTALITY USING A COMBINED EWS AND NLR SCORING SYSTEMS
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
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
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
Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Khuzestan, Iran

15:45 HEARTFIT: PRELIMINARY RESULTS OF A PILOT CARDIAC OUTPATIENT SELF-MANAGEMENT PROGRAMME
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
B. Chhajer, V. Singh, G. Kumari
SAAOL Heart Center, New Delhi, India

16:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION
SUNDAY, JULY 31, 2016

14:00 – 15:45 Hall D

S31 MOLECULAR CARDIOLOGY AND VASCULAR BIOLOGY, BASIC RESEARCH

Abstract No.

14:00 DEFICIENCY OF FILAMIN A IN ENDOTHELIAL CELLS IMPAIRS LEFT VENTRICULAR REMODELING AFTER MYOCARDIAL INFARCTION
University of Gothenburg, Sweden

14:15 A TRANSGENIC MOUSE MODEL OF ATHEROSCLEROTIC PLAQUE CALCIFICATION
F. Romanelli, A.M. Corbo, A.Y. Savinov, J.L. Millan, O.V. Savinova
New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA

14:30 THYROID HORMONE INDUCES VASCULAR RELAXATION THROUGH VASP PHOSPHORYLATION AT SERINE 239: A POTENTIAL THERAPEUTIC APPROACH TO TREAT DIABETIC VASCULAR DYSFUNCTION
M.A. Carrillo-Sepulveda, S. Samuel, A. Martin Gerdes
New York Institute of Technology, Old Westbury, NY, USA

14:45 INTRALIPID PROTECTS THE HEART AGAINST ISCHEMIA/REPERFUSION INJURY BY REDUCING CARDIOMYOCYTE APOPTOSIS VIA MIR122 INDUCTION IN LATE PREGNANCY
J. Li, N. Motayagheni, N. Barakati, M. Eghbali
UCLA, Los Angeles, CA, USA

15:00 THE ACTION OF NUTRACEUTICALS ON KEY MACROPHAGE PROCESSES ASSOCIATED WITH ATHEROSCLEROSIS
T.S. Davies, H. Gallagher, J.W.E. Moss, F.B. Jaffar, W. Al-Ahmadi, F. Harris, D.P. Ramji
Cardiff University, Cardiff, UK

15:15 HEME OXYGENASE-1 DEFICIENCY EXACERBATES ABDOMINAL AORTIC ANEURYSM
Y.C. Ho, M.L. Wu, S.F. Yet
National Health Research Institutes, Zhunan, Taiwan

15:30 PROTEOMIC PROFILING OF THE AGED MDX-4CV HEART MODEL OF DYSTROPHINOPATHY-RELATED CARDIOMYOPATHY
S. Murphy, P. Dowling, K. Ohlendieck
Maynooth University, Maynooth, Co. Kildare, Ireland
SUNDAY, JULY 31, 2016

16:45 – 18:30 Hall B

PL13  Plenary Session
SYSTEMIC AND PULMONARY ARTERY HYPERTENSION: EXPANDING 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)  304
W.S. Aronow
Westchester Medical Center/New York Medical College, Valhalla, NY, USA

17:00  NITRIC OXIDE, GI PROTEINS AND REGULATION OF BLOOD PRESSURE  (Invited Lecture)  305
E. Hossain, O. Sarkar, Y. Li, M.B. Anand-Srivastava
University of Montreal, Montreal, Quebec, Canada

17:15  HYPERTENSION UPDATE: QUO VADIMUS?  (Invited Lecture)  306
Z.S. Galis
Vascular Biology and Hypertension, National Heart Lung and Blood Institute, Bethesda, MD, USA

17:30  THERAPEUTIC, PREVENTIVE AND PROGNOSTIC ASPECTS OF EXERCISE IN HYPERTENSION  (Invited Lecture)  308
P. Kokkinos
Veterans Affairs Medical Center, Washington, DC, USA and Georgetown University School of Medicine, Washington, DC, USA

17:45  EXERCISE RELATED HYPERTENSION (ERH) MAY NOT BE A BENIGN PHENOMENON  (Invited Lecture)  310
Y. Charuzi, J.M. Mirocha
Cedars Sinai Medical Center, LA, USA

18:00  UPDATE ON EFFECT OF ISOLATED SYSTOLIC VERSUS SYSTOLIC-DIASTOLIC HYPERTENSION IN OLDER ADULTS  311
A. Tsimpoulis, S. Weerakoon, A. Ahmed
Georgetown University/Washington Hospital Center, USA

18:15  GENOME-WIDE ASSOCIATION STUDY ON SALTINESS AND ASSOCIATION OF TOP-RANKING SNPS WITH BLOOD PRESSURE  312
CiberOBN, Madrid, Spain
SUNDAY, JULY 31, 2016

16:45 – 19:00  Hall C

S32  ARRHYTHMIA II: SUDDEN CARDIAC DEATH / ADVANCES IN IMPLANTABLE RHYTHM DEVICE THERAPY

Chair:  
J.R. Gimbel, Cleveland, OH, USA
H. Paydak, Little Rock, AR, USA

16:45  ICD-FORUM - WEB-BASED PSYCHOSOCIAL SUPPORT FOR PATIENTS WITH IMPLANTABLE CARDIOVERTER DEFIBRILLATORS
Comprehensive Heart Failure Center - Wuerzburg, University Hospital Wuerzburg, Germany

17:00  THE SUBCUTANEOUS IMPLANTABLE CARDIOVERTER-DEFIBRILLATOR: FIRST SINGLE-CENTER EXPERIENCE WITH OTHER CARDIAC IMPLANTABLE ELECTRONIC DEVICES
J. Kuschyk, B. Rudic, S. Roeger, E. Tueluemen, V. Liebe, M. Borggreve
University Medical Center Mannheim, DZHK partner site Mannheim, Germany

17:15  THE INCIDENCE OF TORSADES DE POINTES AFTER PROPOFOL EXPOSURE
V. Abrich, H. Ramakrishna, A. Mehta, F. Mookadam, K. Srivathsan
Mayo Clinic Arizona, Phoenix, AZ, USA

17:30  INTRA-HIS BLOCK RARELY PROGRESS TO PACEMAKER DEPENDENCY: A CASE SERIES
L. Ragupathi, D. Johnson, B.B. Pavri
Thomas Jefferson University Hospital, Philadelphia, PA, USA

17:45  LONG-TERM COMPLICATIONS OF EPICARDIAL PACING WIRES ABANDONED FOLLOWING CARDIAC SURGERY
A. Singh, A. Shi, H. Vefali, S. Agrawal, A. Sinha, J. Shirani
St Lukes University Hospital, Bethlehem, PA, USA

18:00  SAFETY AND EFFICACY OF TRANSVENOUS EXTRACTION OF PACEMAKER AND CARDIOVERTER-DEFIBRILLATOR LEADS
H. Vefali, M. Durkin, A. Singh, S. Agrawal, S. Nanda, D. Traub, J. Shirani
St. Luke's University Health Network, Bethlehem, PA, USA

18:15  DEVICE IMPLANTATION CONUNDRUM: OPTIMAL MANAGEMENT OF A PATIENT WITH MIXED PHENOTYPE CHANNELOPATHY
H. Latt, J. Evans, University of Nevada, Reno, Nevada, USA

18:30  INAPPROPRIATE SHOCKS DUE TO CHATTERING OF THE LEADS FROM AN INVESTIGATIONAL DEVICE FOR CARDIAC CONTRACTILITY MODULATION AND A DEFIBRILLATION LEAD
T.T. Aung, A. Wase, J. Pollock, Wright State University, Dayton, OH, USA

18:45  A COMPARISON OF ACTIVE AND PASSIVE LEAD IMPLANTATION: IS OPERATING EXPERIENCE A FACTOR?
J. Basu, C. Wrigley, R. Soar, W. Orr
Royal Berkshire Hospital, Reading, UK
SUNDAY, JULY 31, 2016

16:45 – 19:15 Hall D

S33  ACUTE CORONARY SYNDROME: FROM BENCH TO BEDSIDE

Chairs:  M-R. Movahed, Tucson, AZ, USA  
         Y. Ueda, Osaka, Japan  

16:45  INCIDENCE AND RISK FACTORS FOR AKI PRE-CARDIAC
       CATHETERIZATION IN PATIENTS PRESENTING WITH STEMI
       M. Ashukem, J. Cohen, J. Diamond, J. Badhani, M. Calla, C. Mendoza
       University of Miami/Jackson Memorial Hospital, Miami, FL, USA

17:00  CORONARY COLLATERALS ARE NOT CARDIOPROTECTIVE IN
       MULTIETHNIC STEMI PATIENTS AFTER REVASCULARIZATION
       A. Avezbadalov, A. Jaiswal, E.N. Moustakakis, C.H. Park, A.J. Buda
       Weill Cornell Medical College, New York, NY, USA

17:15  THE HIGH-DEGREE ATRIOVENTRICULAR BLOCK REMAINS A SEVERE
       PROGNOSTIC MARKER IN THE PRIMARY PERCUTANEOUS CORONARY
       INTERVENTION ERA
       P. Dobes, University Hospitals of Leicester NHS Trust, Leicester, UK

17:30  IMAGING DEBAKEY’S DEBACLE: AN UNUSUAL CULPRIT FOR ST ELEVATION
       A. Alsaad, O. Odunukan, Mayo Clinic, Jacksonville, FL, USA

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, M. Rezaadehsaatlou, F. Akbarzadeh
       Tabriz University of Medical Sciences, Tabriz, Eastern Azerbaijan, Iran

18:00  SEVERE CHEST PAIN MIMICKING ACUTE CORONARY SYNDROME IN A
       DIABETIC PATIENT WITH MYASTHENIA GRAVIS
       A. Chiriac, S.V. Pislaru, P.A. Pellikka, Mayo Clinic, Rochester, MN, USA

18:15  ACUTE LEFT MAIN THROMBOSIS DURING EXERCISE TESTING
       A. Quddus, A. Smith, A. Singh, Y. Manda, P. Puleo, J. Shirani
       St. Luke’s University Health Network, Bethlehem, PA, USA

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, A. Shams Akhtari
       Ahwaz Jundishapur University of Medical Sciences

18:45  CORRELATION BETWEEN ELECTROCARDIOGRAPHIC CHANGES AND
       CORONARY ANGIOGRAPHY FINDINGS IN PATIENTS WITH ACUTE
       MYOCARDIAL INFARCTION AND SINGLE-VESSEL DISEASE
       A. Sanaani, W.S. Aronow, R. Paudel, H. Cooper
       Westchester Medical Ctr/New York Medical College, Valhalla, NY, USA

19:00  LEFT BUNDLE BRANCH BLOCK: IS IT TIME TO RECONSIDER THE
       CRITERIA FOR PRIMARY PERCUTANEOUS CORONARY INTERVENTION?
       J. Basu, M. Mikhail, T. Realey, W. Orr
       Royal Berkshire NHS Foundation Trust, Reading, UK
P401 INTERVENTIONAL CARDIOLOGY FOR HEART VALVE DISEASE

1 TRANSCATHETER AORTIC VALVE IN VALVE REPLACEMENT: EVALUATION OF MEAN AORTIC ECHOCOGRAPHIC GRADIENTS
   Henry Ford Hospital, Detroit, MI, USA

2 FIRST YEAR EXPERIENCE OF A NEW TAVR SITE: WHAT IS THE DURATION OF THE TAVR LEARNING CURVE?
   G.A Rogers, E. Kaluski, S. Sattur, F. Reitknecht, D. Sporn
   Guthrie Health Systems, Sayre, PA, USA

3 IMPACT OF ADVANCES IN TAVR TECHNOLOGY ON PROCEDURAL VOLUME
   H. El-Haddad, R. Kafa, 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

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, A. Saggu, T. Singh, A. Badheka
   Western Reserve Health Education/NEOMED, Youngstown, OH, USA

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
   C. Barcin, O. Baysan, M. Celik, U.C. Yuksel, E. Yildirim, H.K. Kabul, B. Bugan
   Gulhane Military Medical Academy, Ankara, Turkey

P402 VASCULAR (PERIPHERAL AND CAROTID) AND AORTIC DISEASES

6 COMPARISON AORTIC DISSECTION DETECTION RISK SCORE AND D-DIMER IN DIAGNOSIS OF ACUTE AORTIC DISSECTION
   S. Kodera, J. Kanda
   Asahi General Hospital, Asahi, Chiba, Japan

7 TAKAYASU ARTERITIS PRESENTING WITH DIFFUSE AORTIC ULCERS
   K. Anouti, A. Khaji, M. Maalouf, K. Hawthorne
   Lankenau Medical Center, Wynnewood, PA, USA

8 EFFECT OF ANICOAGULANT ON DEEP VENOUS THROMBOSIS
   Toho University Sakura Medical Center, Sakura, Chiba, Japan

9 PROGNOSIS OF PATIENTS WITH MILD TO MODERATE CAROTID SCLEROSIS
   Tokyo University Hospital, Tokyo, Japan
   M. Morsy, W.I. Khalife, K. Sadat
   UTMB, Galveston, TX, USA
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**P402 VASCULAR (PERIPHERAL AND CAROTID) AND AORTIC DISEASES (cont.)**

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**V. Romero, 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

**PRESENCE OF AORTIC PLAQUE MAY PREDICT CORONARY ARTERY DISEASE**

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Toho University Sakura Medical Center, Sakura, Chiba, Japan

**P403 ATRIAL FIBRILLATION AND SUPRAVENTRICULAR ARRHYTHMIA**

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University of Arkansas for Medical Sciences, Little Rock, AR; USA

**LOW ENERGY CARDIOVERSION FOR ATRIAL FLUTTER**

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**V.O. Obi, N. Isber, D. Bloomfield, M. Arulhasan**
Richmond University Medical Center, Staten Island, New York NY, USA

**NEW-ONSET ATRIAL FIBRILLATION ASSOCIATED WITH CYCLOPHOSPHAMIDE-INDUCED CARDIOTOXICITY: CASE REPORT**

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**A.C. Guta, A.M. Daraban, A. Burducea, D. Bartos**
Bucharest Emergency Clinical Hospital- Foreasca, Romania

**EFFECT OF DABIGATRAN ON PLATELET REACTIVITY-A PROOF OF CONCEPT STUDY**

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**S.R. Devabhaktuni, A. Annapureddy, A. Namazi, A. Malik, L. Dizon, C. Miranda, A. Gururaj, C. Ahsan**
University of Nevada School of Medicine, Las Vegas, NV, USA

**INTRACARDIAC THROMBUS IN A WARFARIN RESISTANT PATIENT**

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**F. Khan, B.C. Berger, Abington Jefferson Health, Abington, PA, USA**

**P404 ARRHYTHMIAS: DIAGNOSIS AND TREATMENT**

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**S. Chawla, A. Alvarez-Laviada, K. Macleod**
Imperial University, Hammersmith, University of Southampton, Southampton, UK

**THE EFFECT OF FLECAINIDE AND RANOLAZINE ON CALCIUM TRANSIENTS IN RAT CARDIOMYOCYTES**

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**A. Avezbadalov, S. Pollack, A.F. Osman**
NOVA Southeastern University, Fort Lauderdale, FL, USA

**EFFICACY OF CLASS IC VERSUS CLASS III ANTIARRHYTHMICS AFTER CRYOABLATION USING THE ARCTIC FRONT ADVANCE CATHERTER**
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<td>19</td>
<td>349</td>
<td>ELECTROCARDIOGRAPHIC BRUGADA PATTERN UNMASKED BY CORONARY VASOSPASM IN A COCAINE USER</td>
<td>Y. Manda, S. Nanda, <strong>A. Singh</strong>, S. Agrawal, W. Samuel Towne, J. Shirani</td>
<td>St. Luke’s University Health Network, Bethlehem, PA, USA</td>
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<td>20</td>
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<td>WIDE COMPLEX TACHYCARDIA WITH PROPafenONE USE – EXPLAIN IT TO MY HEART</td>
<td><strong>S. Neupane</strong>, S. Edla, A. Shakir</td>
<td>St John Hospital and Medical Center, Detroit, MI, USA</td>
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<td>21</td>
<td>351</td>
<td>IVABRADINE’S POTENT EFFECT ON THE AV NODE: A CASE OF 2ND DEGREE HEART BLOCK</td>
<td><strong>B. Louka</strong>, V. Abrich, B. Yeneneh, K. Srivathsan</td>
<td>Mayo Clinic, Arizona, USA</td>
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<td>22</td>
<td>352</td>
<td>BRUGADA PATTERN ELECTROCARDIOGRAPHIC CHANGES IN A PATIENT WITH LITHIUM TOXICITY AND FEVER</td>
<td><strong>N. Mehta</strong>, A. Kanthala, M. Schinlever</td>
<td>Rochester Regional Health, Unity Hospital, Rochester, NY, USA</td>
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<td>25</td>
<td>355</td>
<td>THE HIBERNATING LIMA: A CASE REPORT DESCRIBING IMPROVEMENT IN LEFT INTERNAL MAMMARY ARTERY GRAFT FLOW AFTER PROGRESSION OF NATIVE VESSEL CORONARY ARTERY DISEASE</td>
<td><strong>S. Desai</strong>, B. Louka, F.D. Fortuin</td>
<td>Mayo Clinic Arizona, Department of Cardiovascular Disease, Scottsdale, AZ, USA</td>
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<td>356</td>
<td>THROMBOSIS IN THE HEARTWARE PUMP: CLINICAL PRESENTATION AND MANAGEMENT DECISIONS</td>
<td><strong>M.B. Jayanna</strong>, C. Inampudi, R. Kafa, J.L. Franzwa, V. Cotarlan, J.K. Bhama, K. Light-McGroary</td>
<td>University of Iowa Carver College of Medicine, Iowa City, IA, USA</td>
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<td>27</td>
<td>357</td>
<td>TRIPLE CHAMBER MYXOMA (BIATRIAL AND RIGHT VENTRICULAR) IN A 17 YEAR OLD MALE</td>
<td><strong>L.K.M. Evangelista</strong>, J.A. See, A.M.A. Javelosa, D.R.K. Salvador</td>
<td>De La Salle University Medical Center, Dasmariñas City, Cavite, Philippines</td>
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P405 CARDIAC SURGERY / MECHANICAL CIRCULATORY SUPPORT (cont.)

Board No. Abstract No.

28 MEDIASTINAL HEMATOMA CAUSING SYNCOPE: AN EXTRA-PERICARDIAL CULPRIT FOR TAMPONADE
S.M. Dhannoon, A.A. Alsaad
University of Central Florida, Orlando, Florida, USA

29 INTRAOPERATIVE GRAFT VERIFICATION IN CORONARY SURGERY: WHY, WHEN AND HOW SHOULD WE VERIFY CORONARY ARTERY BYPASS GRAFTS
G. Di Giammarco, D. Marinelli, M. Foschi, M. Di Mauro, M. Di Natale
University “G.D’Annunzio”, Chieti, Italy
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

08:30  EVIDENCE FOR BENEFITS FOR CHRONIC TOTAL OCCLUSION INTERVENTIONS IN 2016 (Invited Lecture)  
R. Sachdeva, Grady Memorial Hospital, Atlanta, GA, USA  

08:45  PREVENTION OF ACUTE MI BY AGGRESSIVE APPROACH TO TREAT UNSTABLE ANGINA (Invited Lecture)  
Y. Ueda, Osaka National Hospital, Osaka, Japan

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)  
U. Thadani  
OU Medical Center and VA Medical Center, Oklahoma City, Oklahoma, USA

09:15  CONTROVERSIES IN ANTIPLATELET AND ANTICOAGULANT THERAPY (Invited Lecture)  
D.L. Bhatt  
Brigham and Women’s Hospital and Harvard Medical School, Boston, MA, USA

09:30  THE ROLE OF HEMODYNAMIC SUPPORT IN THE MANAGEMENT OF AMI WITH SHOCK (Invited Lecture)  
G.W. Vetrovec, VCU Medical Center Richmond, Virginia USA

09:45  DELIRIUM IN THE INTENSIVE CARE UNIT: MORE THAN A NUISANCE (Invited Lecture)  
G.W. Barsness, Mayo Clinic, Rochester, MN, USA

10:00  UPDATE ON CONTRAST REMOVAL FROM CORONARY SINUS DURING CORONARY ANGIOGRAPHY OR INTERVENTION FOR PREVENTION OF CONTRAST INDUCED NEPHROPATHY (Invited Lecture)  
M.R. Movahed  
CareMore, Tucson, Arizona, University of Arizona College of Medicine, USA

10:15  TRANSULNAR INTERVENTIONS (Invited Lecture)  
E. Kaluski, M. Singh, S. Sattur, Guthrie Health System, PA, USA

10:30  CARDIORENAL DISEASE: HOW TO MANAGE ISCHEMIA IN PATIENTS WITH SEVERE CKD? (Invited Lecture)  
M.S. Sidhu, Albany Stratton VAMC and Albany Medical Center, Albany, NY, USA

10:45  HIGH-SENSITIVITY ASSAY FOR CADIC TROPONIN: NOVEL TOOLS FOR RISK PREDICTION IN AMBULATORY PATIENTS (Invited Lecture)  
B.M. Everett, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA

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 370
A. Hirashiki, T. Kondo, A. Shimizu, T. Murohara
Nagoya University Graduate School of Medicine, Nagoya, Japan

08:45 CARDIOVASCULAR EFFECTS OF CARFILZOMIB, A NEW PROTEASOME INHIBITOR, ON CORONARY ARTERY RESISTANCE, VASCULAR TONE AND VASCULAR REACTIVITY (Invited Lecture)
T.M. Scarabelli, The University of Alabama at Birmingham, Birmingham, AL, USA

09:00 AGING AND HEART FAILURE 2016. UPDATE (Invited Lecture)
B.I. Jugdutt, University of Alberta, Edmonton, Alberta, Canada

09:15 DIABETES AND HEART FAILURE: AN INFLAMMATORY PERSPECTIVE (Invited Lecture)
M. White
Montreal Heart Institute and Universite de Montreal, Montreal, Quebec, Canada

09:30 MYOCARDIAL INSULIN SIGNALING IN ISCHEMIC HEART FAILURE (Invited Lecture)
X. Qin, J. Xu, X. Zhang, F. Gao
Fourth Military Medical University, Xi’an, Shaanxi, China

09:45 HEMODYNAMIC ADAPTATION TO EXERCISE IN HYPERTROPHIC CARDIOMYOPATHY (Invited Lecture)
Q. Ciampi, C. Viola, B. Villari, Fatebenefratelli Hospital, Bevenento, Italy

10:00 PREVENTION OF LV DIASTOLIC DYSFUNCTION AND ATRIOMEGALY IN THE AGING POPULATION (Invited Lecture)
H.K. Reddy, R. Komatireddy, Heart and Vascular Institute of Southern Missouri, USA

10:15 CAN GDF-15 BE USED AS A BIOMARKER IN DILATED CARDIOMYOPATHY (Invited Lecture)
N. Nair, Texas Tech HSC, Lubbock, TX, USA

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 (Invited Lecture)
I. Angomachalelis, S. Tryfon, G. Kyriazis, N. Angomachalelis
Aristotle University of Thessaloniki, “G. Papanickolaou” General Hospital, Thessaloniki, Macedonia, Greece

10:45 COFFEE BREAK, VISIT POSTERS AND EXHIBITION
08:30 – 10:45 Hall C

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

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

08:30  RISK OF INCIDENT CARDIOVASCULAR DISEASE ACCORDING TO THE METABOLIC HEALTH AND OBESITY STATES  
D. Navarro-González, L. Sánchez-Íñigo, A. Fernández-Montero,  
J. Pastrana-Delgado, J. Alfredo Martínez  
García-Orcoyen Hospital, Navarra Health Service - Osasunbidea. Spain

08:45  STATINS REPRESS THE OXLDL-INDUCED HUMAN DENDRITIC CELL MATURATION AND SUBSEQUENT T CELL PROLIFERATION  
A. Liu, Y. Zhang, J. Sun, J. Frostegard  
Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden

09:00  RENAL ARTERY DENERVATION IN KAZAKHSTAN: IMPACT OF ETHNICITY AND AGE  
A.A. Mussayev, M.A. Aripov, S.A. Alimbayev, M.A. Temirkulov, E.B. Otarbaev,  
A.Y. Goncharov, G.K. Zhushupova, Y.V. Pya  
National Research Cardiac Surgery Center, Astana, Kazakhstan

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  
Clinical Research, Hamad General Hospital, Doha, Qatar

09:30  CENTRAL OBESITY: AN INDEPENDENT ROLE OR SYNERGISTIC EFFECT TO METABOLIC SYNDROME ON LEFT VENTRICULAR FUNCTION (SYSTOLIC VS DIASTOLIC)?  
F.F. Salim, S.W. Bakhoum, Z.A. Ashour, D.R. Elremisy  
Kasralainy Hospital. Cardiology Department, Cairo University, Egypt

09:45  PEROXIREDOXIN1 PROTECTS MACROPHAGES FROM IMPAIRED LIPOPHAGIC FLUX BY OXIDATIVE STRESS IN ATHEROSCLEROSIS  
G.T Oh, S.-J Jeong, S Kim  
Ewha Womans University, Seoul, South Korea

10:00  HYPOLIPIDEMIC EFFECT OF MANNAN IN ACUTE LIPEMIA IN MICE INDUCED BY LIPASE INHIBITOR POLOXAMER 407  
N.V. Goncharova, M.V. Khrapova, A.P. Lykov, E. Korolenko, Z. Nescakova,  
T.A. Korolenko  

10:15  EFFECT OF STATINS ON HIGH SENSITIVITY C-REACTIVE PROTEIN LEVELS IN SYSTEMIC LUPUS ERYTHEMATOSUS – A META-ANALYSIS  
P. Tantrachoti, S. Klomjit, A. Karukote, P. Chariyawong, J. Teerakanok,  
K. Nugent  
Texas Tech University Health Sciences Center, Lubbock, TX, USA
S34  HYPERTENSION, LIPIDS, DIABETES AND CARDIOVASCULAR DISEASE – FROM BENCH TO BEDSIDE (cont.)

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

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

11:15 ‘LARK’ AND ‘OWLS’, GENDER, AND CARDIOVASCULAR HEALTH
       (Invited Lecture)
       R. Manfredini, B. Zucchi, A. De Giorgi, F. Fabbian, F. Signani, A. Storari, R. Salmi
       University of Ferrara, Ferrara, Italy

11:30 EDUCATION AND MORTALITY: IS A COLLEGE DEGREE UNIVERSALLY PROTECTIVE? (Invited Lecture)
       A.L. Klatsky, H.N. Tran
       Kaiser Permanente Division of Research, Oakland, CA, USA

11:45 SECONDARY PREVENTION OF CARDIOVASCULAR EVENTS
       (Invited Lecture)
       S. Mora
       Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA

12:00 BIOMARKERS OF THE FUTURE: METABOLOMIC PREDICTORS OF CARDIOMETABOLIC DISEASE (Invited Lecture)
       S. Cheng
       Brigham and Women’s Hospital, Boston, and Framingham Heart Study, Framingham, MA, USA

12:15 INTEGRATIVE MEDICINE APPROACHES TO PREVENTING HEART DISEASE (Invited Lecture)
       S. Malik
       University of California, Irvine, Orange, CA, USA

12:30 HOLISTIC HEART HEALTH: INCREASING INTEREST, SCOPE & SIGNIFICANCE (Invited Lecture)
       A. Chockalingam
       University of Missouri - Columbia, Harry S. Truman Memorial Veterans’ Hospital, Columbia, MO, USA

12:45 A CURRENT UPDATE ON INFLUENZA AND CARDIOVASCULAR DISEASES (Invited Lecture)
       M. Madjid
       University of Texas Health Science Center at Houston, Houston, TX

13:00 COCOA FLAVANOLS FOR PREVENTION OF DIABETES (Invited Lecture)
       L. Wang
       Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA

13:15 ROLE OF CVD RISK ASSESSMENT IN COPD (Invited Lecture)
       University of California, Irvine, Irvine, CA, USA
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)  
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  
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  
S. Gurevich, E. Ruiz-Rodriguez, 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 OSTEOPONTIN LEVELS AND CALCIFIC AORTIC STENOSIS: A META-ANALYSIS  
P. Agasthi, S. Aloor, T. Washington-Plaskett, O. Egbuche, T.R. Dammalapati,  
R. Sachdeva  
Morehouse School of Medicine, Atlanta, GA, USA

12:00  
PERATRIAL DEVICE CLOSURE OF DIFFERENT LOCATIONS OF MITRAL PARAVALVULAR LEAKS USING A PROBE-ASSISTED DELIVERY SYSTEM  
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?  
E. Obasare, E. Melendres, V. Bhoffa, M.B. West, S. Mainigi, G.S. Pressman,  
V.M. Figueredo  
Einstein Medical Center, Philadelphia, PA, USA
S35  VALVULAR HEART DISEASE MECHANISMS AND TREATMENT OPTIONS  (cont.)

12:30  AORTIC VALVE REPLACEMENT IN SINGLE CORONARY ARTERY
  A. Sinha, R. Kumar, J. Shirani
  St. Lukes’ University Health Network, Bethlehem, PA, USA

12:45  SPONTANEOUS LEFT ATRIAL DISSECTION CAUSED BY MITRAL VALVE ENDOCARDITIS
  H. Vefali, M. Durkin, A. Singh, S. Agrawal, S. Longo, M. Averbach, J. Shirani
  St. Luke’s University Health Network, Bethlehem, PA, USA

13:00  MASSIVE THROMBOSIS OF STRUCTURALLY NORMAL MITRAL VALVE IN PRIMARY ANTI-PHOSPHOLIPID ANTIBODY SYNDROME
  St. Luke’s University Health Network, Bethlehem, PA, USA.

13:15  A TALE OF TWO OUTCOMES: PSEUDOANEURYSM OF THE MITRAL-AORTIC INTERVALVULAR FIBROSA; A RARE AND DANGEROUS CONDITION
  K.A. Samtani, R.J. Bohinc, V.S. Tivakaran, J.B. Gibson
  Wright State University, Dayton, OH, USA
MONDAY, AUGUST 1, 2016

11:15 – 13:45 Hall C

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

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

11:15 NO DIFFERENCE IN SODIUM REMOVAL WITH ULTRAFILTRATION THERAPY VERSUS CONVENTIONAL DIURETIC THERAPY IN PATIENTS WITH ACUTE HEART FAILURE
A. Koratala, S.I. Qadri, A. Kazory
University of Florida, Gainesville, Florida, USA

11:30 EFFICACY AND SURVIVAL IN PATIENTS WITH CARDIAC CONTRACTILITY MODULATION: LONG-TERM SINGLE CENTER EXPERIENCE IN 81 PATIENTS
J. Kuschyk, S. Roeger, B. Rudic, K. Stach, C. Weiss, T. Papavassiliou, B. Rousso, D. Burkhoff, M. Borggrefe
University Medical Centre, I. Medical Department, Mannheim, Germany

11:45 ULTRAFILTRATION VS PHARMACOLOGICAL DIURESIS IN HEART FAILURE: A META-ANALYSIS
N. Agrawal, A. Jain, A. Kazory
University of Florida, Gainesville, FL, USA

12:00 HEART FAILURE CARE PATHWAY: STANDARDIZING CARE TO IMPROVE OUTCOMES
S. Agarwal, G. Cherukuri, R. Dhaliwal, N. Agarwal, J. Lansburg
Biltmore Cardiology, Phoenix, AZ, USA

12:15 RACIAL DIFFERENCES IN CLINICAL CHARACTERISTICS OF HEART FAILURE WITH PRESERVED EJECTION FRACTION
Boston VA Healthcare System, Boston, MA, USA

12:30 RISK FACTORS ASSOCIATED WITH DIAGNOSTIC DISCREPANCY FOR LEFT VENTRICULAR HYPERTROPHY BETWEEN ELECTROCARDIOGRAPHY AND ECHOCARDIOGRAPHY
Odense University Hospital, Odense, Denmark

12:45 ECHOCARDIOGRAPHIC PREDICTORS OF HEART FAILURE IN HYPERTENSIVE CARDIOMYOPATHY
A. Bhullar, M. Bhullar, M. Singh, K. Muhyieddeen, B. Khatri, R. Ferdman, A. Najafi, C. Katikireddy
UCSF Fresno Medical Education Program, Fresno, CA, USA
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
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
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
S. Dayanand, J.M. Martinez, R. Chait
University of Central Florida, Kissimme, FL, USA
<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
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<tbody>
<tr>
<td>1</td>
<td>417</td>
<td>IMPLICATION OF MIR-1 AND MIR-144 IN INTRALIPID-INDUCED CARDIOPROTECTION AGAINST ISCHEMIA/REPERFUSION INJURY</td>
<td>N. Motayagheni, S. Sharma, J. Li, M. Eghbali</td>
<td>UCLA, Los Angeles, CA, USA</td>
</tr>
<tr>
<td>2</td>
<td>418</td>
<td>REVERSAL OF XYLAZINE-INDUCED BRADYCARDIA WITH INTRALIPID</td>
<td>N. Motayagheni, M. Eghbali</td>
<td>UCLA, Los Angeles, CA, USA</td>
</tr>
<tr>
<td>3</td>
<td>419</td>
<td>HIGH SALT DIET DURING GESTATION ALTERS SALT SENSITIVITY OF THE CARDIOVASCULAR SYSTEM IN OFFSPRING</td>
<td>S. Kagota, K. Maruyama, K. Shinozuka</td>
<td>Mukogawa Women’s University, Nishinomiya, Japan</td>
</tr>
<tr>
<td>4</td>
<td>420</td>
<td>STUDY OF THERAPEUTIC AND CARDIOPROTECTIVE EFFECT OF CURCUMIN ON ISOPROTERENOL-INDUCED MYOCARDIAL INJURY IN RATS</td>
<td>M.S. Oliveira, L. Zangi, K.M. Mata, V. Blefari, S.G. Ramos</td>
<td>University of Sao Paulo, Ribeirao Preto, SP, Brazil</td>
</tr>
<tr>
<td>5</td>
<td>421</td>
<td>REGULATION OF REDOX-HOMEOSTASIS BY METABOLIC DRUG ELTACIN IN THERAPY OF AGING PATIENTS WITH ISCHEMIC HEART DISEASE</td>
<td>E.V. Kalinina, R.M. Zaslavskaya, Y.R. Nartsissov</td>
<td>People’s Friendship University of Russia, Moscow, Russia</td>
</tr>
<tr>
<td>6</td>
<td>422</td>
<td>EXPRESSION OF OPIOID RECEPTORS DELTA AND KAPPA IN THE HUMAN TISSUE OF DIABETIC’S PATIENTS</td>
<td>M. Ismail, A. Rungatscher, M.A. Gebrie, G.B. Luciani, I. Cristobo, S. Notararigo, C. Chen-Scarabelli, T. Scarabelli, G. Faggian</td>
<td>University of Verona, Italy</td>
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<tr>
<td>7</td>
<td>423</td>
<td>SUBTYPE PE-SPECIFIC PROMOTER-DRIVEN ACTION POTENTIAL IMAGING FOR PRECISE DISEASE MODELING AND DRUG TESTING IN HIPSC-DERIVED CARDIOMYOCYTES</td>
<td>Z. Chen, W. Xian, M. Bellin, T. Dorn, Q. Tian, C.L. Mummery, P. Lipp, A. Moretti, D. Sinnecker, K.L. Laugwitz</td>
<td>Technical University of Munich, Munich, Germany</td>
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<td>8</td>
<td>424</td>
<td>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</td>
<td>B.M. Choi, <strong>Y.O. Kim</strong>, H.W. Kim</td>
<td>The Catholic University, Seoul, Korea</td>
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<td>9</td>
<td>425</td>
<td>DEFINITIVE ACUTE STENT THROMBOSIS IN A PATIENT WITH NON-ST ELEVATION MYOCARDIAL INFARCTION</td>
<td><strong>S. Zamin</strong>, G. Wilson, K. Suarez, K. Slicker</td>
<td>Baylor Scott &amp; White Health/Texas A&amp;M College of Medicine, TX, USA</td>
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<tr>
<td>10</td>
<td>426</td>
<td>WELLENS’ SYNDROME REVISED</td>
<td><strong>S. Oo</strong>, K. Khalighi, C. May, <strong>T.T. Aung</strong></td>
<td>Easton Hospital, Easton, PA, USA</td>
</tr>
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<td>11</td>
<td>427</td>
<td>DIFFUSE MULTIVESSEL CORONARY ARTERY SPASM (CAS) INDUCED BY GUIDEWIRE INSERTION LEADING TO CARDIAC ARREST: A CASE REPORT</td>
<td><strong>B.T. Yeneneh</strong>, B. Louka, E. Yang, D. Fortuin</td>
<td>Mayo Clinic, Arizona, USA</td>
</tr>
<tr>
<td>12</td>
<td>428</td>
<td>ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION AND FACTORS ASSOCIATED WITH STENT CHOICE</td>
<td><strong>J.D. Nunez Breton</strong>, J.C. Duque Ballesteros, C.A. Gomez, C. Rueda Rios, J.P. Zambrano, C.E. Mendoza, A. Ferreira</td>
<td>Jackson Memorial Hospital, Miami, FL, USA</td>
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<tr>
<td>13</td>
<td>429</td>
<td>METHYLENEDIOXYMETHAMPHETAMINE (MDMA) INDUCED SPONTANOUS CORONARY ARTERY DISSECTION</td>
<td><strong>F. Benn</strong>, A. Afzal, B. Subedi, M. Majumder,</td>
<td>New York Methodist Hospital, Weill Cornell Affiliate, Brooklyn, NY, USA</td>
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<tr>
<td>14</td>
<td>430</td>
<td>ECTATIC CORONARY VESSELS WITH MULTIPLE GIANT ANEURYSMS</td>
<td><strong>K. Tan</strong>, F. Kho, I. Syed</td>
<td>Khoo Teck Puat Hospital, Singapore</td>
</tr>
</tbody>
</table>
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  
   A.M. Quinones, I. Lobach, G.A. Maduro, N.R. Smilowitz, H.R. Reynolds  
   NYU Langone Medical Center, New York, NY, USA

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, Y. Song  
   Division of Cardiovascular Medicine, Stanford University, Stanford, CA, USA

18  ASSOCIATION BETWEEN THE RS11614913 POLYMORPHISM IN THE HSA-MIR-196A2 AND OBESITY-RELATED PARAMETERS  
   O. Coltell, D. Corella, R. Barragan-Amal, E.M. Asensio, R. Fernandez-Carrion,  
   O. Portoles, E. Ferriz, J.I. Gonzalez, J.M. Ordovas, J.V. Sorli  
   CiberOBN, Madrid, Spain

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,  
   T.A. Korolenko  
   Institute of Physiology and Fundamental Medicine, Novosibirsk, Russia

20  THE OBESITY PARADOX DECODED: BMI AFFECTS CO-MORBIDITIES BUT NOT OUTCOMES IN ISCHEMIC STROKE  
   J.A. Pieper, M. Ashamalla, D. Sedhom, N. Yager, M. Torosoff  
   Albany Medical College, Albany, NY, USA
### P504 HYPERTENSION

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<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
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</thead>
<tbody>
<tr>
<td>21</td>
<td>437</td>
<td>LIFE-STYLE CHARACTERISTICS AND CARDIOVASCULAR DISEASES IN TOUR MANAGERS</td>
<td>Y-C Tseng, F-Y Lan, H-R Guo (Chang Jung Christian University, National Cheng Kung University, Taiwan)</td>
</tr>
<tr>
<td>23</td>
<td>439</td>
<td>EFFECT OF OLMESARTAN ALONE, AND IN COMBINATION WITH AZELNIDIPINE IN THE CONTROL OF HYPERTENSION AND PLASMA B-TYPE NATRIURETIC PEPTIDE LEVELS</td>
<td>N. Fujino, K. Hayashi, K. Sakata, T. Konno, T. Tsuda, Y. Nagata, R. Teramoto, A. Nomura, Y. Tanaka, M. Yamagishi (Kanazawa University, Kanazawa, Japan)</td>
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### P505 VALVULAR HEART DISEASE

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<th>Board No.</th>
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<th>Authors</th>
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<tr>
<td>25</td>
<td>441</td>
<td>MITRAL VALVE DISEASE IN THE UNITED STATES: RETROSPECTIVE ANALYSIS OF HOSPITALIZATIONS AND SURGICAL PROCEDURES USING THE NATIONAL INPATIENT SAMPLE</td>
<td>M.E. Stuntz (Deerfield Institute, New York, NY, USA)</td>
</tr>
</tbody>
</table>
P505    VALVULAR HEART DISEASE (cont.)

Board No.  Abstract No.

28      INTERCOMMISURAL DISTANCE AS THE LONE ANNULOPLASTY RING SIZING STRATEGY MAY NOT PREVENT SAM
S. Edla, E. Maiodna, S. Neupane, H. Rosman
St John Hospital and Medical Center, Detroit, MI, USA

29      STABILIZED RATE OF AORTIC VALVE SURGERY PERFORMED IN THE UNITED STATES IN RECENT YEARS WITH MARKEDLY LOWER RATE PERFORMED IN WOMEN
M.R. Movahed, M. Hashemzadeh, M. Hashemzadeh
CareMore, Tucson, Arizona, USA

30      ST-SEGMENT ELEVATION DURING BRONCHOSCOPY: A CASE OF LEFT-SIDED CARCINOID HEART DISEASE
A.D. Franklin, R. J Lundstrom,
Kaiser Permanente Medical Center, Oakland, CA, USA

31      NATIVE VALVE EMPHYSEMATOUS ENTEROCOCCAL ENDOCARDITIS