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Dear Friend and Colleague,

On behalf of the Organizing Committee, it is my great pleasure to welcome you to Vancouver and to the International Academy of Cardiology, Annual Scientific Sessions 2015, 20th 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 39 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 Vancouver, in July 2015.

Yours sincerely,

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INTERNATIONAL ACADEMY OF CARDIOLOGY MEMORIAL AWARDS

The International Academy of Cardiology has established five awards to honor the memory of distinguished colleagues who made a major contribution to Medicine and Cardiology and who were members of the faculty for previous International Academy of Cardiology meetings. As in previous years, the recipients were selected by a very prestigious Awards Committee. The awards for 2015 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

<table>
<thead>
<tr>
<th>Year</th>
<th>Recipient</th>
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<td>1995</td>
<td>William Ganz</td>
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<td>1996</td>
<td>John B. Barlow</td>
<td>South Africa</td>
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<td>1997</td>
<td>Sidney Goldstein</td>
<td>USA</td>
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<tr>
<td>2000</td>
<td>E. Douglas Wigle</td>
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<tr>
<td>2002</td>
<td>Uri Elkayam</td>
<td>USA</td>
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<td>2003</td>
<td>John A. Elefteriades</td>
<td>USA</td>
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<td>2005</td>
<td>James H. Chesebro</td>
<td>USA</td>
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<td>2007</td>
<td>Clive Rosendorff</td>
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<td>2008</td>
<td>Harisios Boudoulas</td>
<td>Greece</td>
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<td>2010</td>
<td>Wilbert S. Aronow</td>
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<td>2011</td>
<td>Maryl R. Johnson</td>
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<td>2012</td>
<td>Anne B. Curtis</td>
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<tr>
<td>2013</td>
<td>Horst Sievert</td>
<td>Germany</td>
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<td>2014</td>
<td>Paul A. Heidenreich</td>
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The **ALBRECHT FLECKENSTEIN MEMORIAL AWARD**
for distinguished work in the field of Basic Research

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<th>Year</th>
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<td>1995</td>
<td>Lionel H. Opie</td>
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<td>Peter Ganz</td>
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<td>1997</td>
<td>Jutta Schaper</td>
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<td>Naranjan S. Dhallla</td>
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<td>2002</td>
<td>Hani N. Sabbah</td>
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<td>2003</td>
<td>Jawahar L. Mehta</td>
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<td>2005</td>
<td>Francis G. Spinale</td>
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<td>2007</td>
<td>Thomas Force</td>
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<td>2008</td>
<td>Robert Roberts</td>
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<td>2010</td>
<td>Pawan K. Singal</td>
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<td>2011</td>
<td>Dipak K. Das</td>
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<td>2012</td>
<td>Teruhiko Toyo-Oka</td>
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<td>Anne A. Knowlton</td>
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<td>2014</td>
<td>Kenneth Maiese</td>
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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

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
### AWARD RECIPIENTS (Cont.)

The **MELVIN L. MARCUS MEMORIAL AWARD**

for distinguished contribution as a Gifted Teacher

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<td>Kanu Chatterjee, USA</td>
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<td>1996</td>
<td>Shahbudin H. Rahimtoola, USA</td>
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<td>Robert A. O’Rourke, USA</td>
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<td>A. Jamil Tajik, USA</td>
<td>USA</td>
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<td>2002</td>
<td>Daniel S. Berman, USA</td>
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<td>David H. Spodick, 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>
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<td>2010</td>
<td>Navin C. Nanda, USA</td>
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<td>2011</td>
<td>Michael H. Criqui, USA</td>
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<td>2012</td>
<td>Barry F. Uretsky, USA</td>
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<td>2013</td>
<td>Julius M. Gardin, USA</td>
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<td>2014</td>
<td>James D. Marsh, USA</td>
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INTERNATIONAL ACADEMY OF CARDIOLOGY DISTINGUISHED FELLOWSHIP AWARDS

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

DISTINGUISHED FELLOWSHIP AWARD RECIPIENTS

2005       Jeffrey S. Borer, USA
2005       Kanu Chatterjee, USA
2005       Hani N. Sabbah, USA
2007       James H. Chesebro, USA
2007       Uri Elayayam, USA
2007       Francis G. Spinale, USA
2008       Martin Alpert, USA
2008       Naranjan S. Dhallan, Canada
2008       John A. Elefteriades, USA
2010       Anne B. Curtis, USA
2011       Lewis C. Becker, USA
2011       Daniel S. Berman, USA
2011       Bodh I. Jugdutt, USA
2012       Wilbert S. Aronow, USA
2012       Navin C. Nanda, USA
2012       Robert Roberts, Canada
2013       Elizabeth Barrett-Connor, USA
2013       Michael E. Cain, USA
2013       Michael H. Criqui, USA
2014       Yzhar Charuzi, USA
2014       Jawahar L. Mehta, USA
2014       George W. Vetrovec, USA
2014       Nathan D. Wong, USA
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
ACKNOWLEDGEMENTS

We would like to offer very special thanks to the following companies for their generous support:

**GOLD LEVEL**

Janssen Pharmaceuticals, Inc.

**SILVER LEVEL**

Arbor Pharmaceuticals, LLC.

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

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Tomer Aharon  
Karin Archer  
Roland Archer  
Dror Ben-Tzvi  
Karen H. Burstein  
Liron Burstein  
Cirina Catania  
Sergey Fedchin  
Rami Gur  
Orly Halevy  
Oren Hirschenzone  
Eitan Z. Kimchi, M.D.

Eyal Y. Kimchi, M.D., PhD.  
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Vicky Klug  
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Hila Nahari  
Karyn Nahari  
Einat Peled  
Mike Perchig  
Tuyet T.M. Tran  
Lu Wu

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 Hyatt Regency Vancouver is the venue and headquarters hotel of the
International Academy of Cardiology
Annual Scientific Sessions 2015
20th World Congress on Heart Disease

Hotel Address:
The Hyatt Regency Vancouver
1 Discovery Square, 655 Burrard Street
Vancouver, BC V6C 2R7, Canada
Tel: +1 604 683 1234
Fax: +1 604 689 3707

LANGUAGE
The official language of the Congress is English.

REGISTRATION DESK
The Registration Desk will operate as follows:
Friday, July 24, 2015 16:00 - 18:30 hours
Saturday, July 25, 2015 08:00 - 18:00 hours
Sunday, July 26, 2015 08:00 - 18:00 hours
Monday, July 27, 2015 08:00 - 14:00 hours

PROJECTION EQUIPMENT
If using a Powerpoint (or any other computer) presentation, please note you need to provide the presentation on a CD, DVD or memory stick (using the USB port in the computer) and load it onto one of the congress’ computers in the Speaker Ready Room, at least 1 hour before the start of your session. You may bring your own computer as back up 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:
Friday, July 24, 2015 18:00 – 19:30 hours
Saturday, July 25, 2015 10:00 - 17:00 hours
Sunday, July 26, 2015 10:00 - 17:00 hours
Monday, July 27, 2015 10:00 - 13:00 hours

ATTENDANCE CERTIFICATES
A Certificate of Participation will be provided upon registration in your registration pack.

GET-TOGETHER RECEPTION
Registered participants are invited to the Get-Together Reception, which will take place in the Exhibition and Poster Hall of the Congress in the Hyatt Regency Vancouver on Friday, July 24, 2015 from 18:00 – 19:30.

FAREWELL DINNER (Optional)
The Farewell Dinner will take place on Sunday, July 26, 2015 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 2015, 20th World Congress on Heart Disease has been approved for 22.75 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 2015, 20th 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 2015
20th 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
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Tel: +1 310 657 8777; Fax: +1 310 659 4781
E-mail: klimedco@ucla.edu
Website: www.CardiologyOnline.com
SOCIAL PROGRAM

FRIDAY, JULY 24, 2015

GET –TOGETHER RECEPTION  18:00 – 19:30
Registered participants are invited to the Get-Together Reception, which will take place in the Exhibition and Poster Hall of the Congress in the Hyatt Regency Vancouver.

SUNDAY, JULY 26, 2015  20:00

FAREWELL DINNER (Optional)
The Farewell Dinner will take place on Sunday, July 26, 2015 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 offer very special thanks to the following companies for their generous support:

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SATELLITE SYMPOSIUM

EXPLORING RISK REDUCTION IN THROMBOSIS
Saturday, July 25, 2015
7:00 pm - 9:00 pm

Hyatt Regency Vancouver
Meeting Room: Ballroom A

Presenters:
Adam J. Singer, MD
Professor and Vice Chairman for Research
Department of Emergency Medicine
State University of New York at Stony Brook
Stony Brook, New York, USA

Luis Gruberg, MD
Professor, Department of Medicine
Director, Interventional Cardiology Research
State University of New York at Stony Brook
Stony Brook, New York, USA

Program 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. It will also present options for reducing the risk of stroke in patients with nonvalvular atrial fibrillation.

Sponsored By: Janssen Pharmaceuticals, Inc.

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INTERNATIONAL ACADEMY OF CARDIOLOGY
ANNUAL SCIENTIFIC SESSIONS 2015
20th WORLD CONGRESS ON
HEART DISEASE
VANCOUVER, BC, CANADA, JULY 25-27, 2015

SCIENTIFIC PROGRAM
Saturday, July 25, 2015
SATURDAY, JULY 25, 2015

09:00 – 10:15 Hall A

**OC: OPENING CEREMONY**

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

**GREETINGS**

**Asher Kimchi**, USA  
Founder and Chairman  
International Academy of Cardiology

**John A. Elefteriades**, USA  
Chairman, Scientific Executive Committee  
Chairman, Section of Cardiovascular Surgery  
International Academy of Cardiology

**Jeffrey S. Borer**, USA  
Member, Scientific Executive Committee  
Chairman, Section of Valvular Heart Disease  
International Academy of Cardiology

**Naranjan S. Dhalla**, Canada  
Member, Scientific Executive Committee  
Chairman, Section of Molecular Cardiology  
International Academy of Cardiology

**Laurence Sperling**, USA  
Member, Scientific Executive Committee  
International Academy of Cardiology

**Nathan D. Wong**, USA  
Member, Scientific Executive Committee  
Chairman, Section of Preventive Cardiology  
International Academy of Cardiology

**PRESENTATION OF 2015 AWARDS**

**John A. Elefteriades**, USA  
**Jeffrey S. Borer**, USA
SATURDAY, JULY 25, 2015

09:35 – 10:15 Hall A

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

Chair: E.A. Amsterdam, Sacramento, CA, USA

09:40 INTRODUCTION
E.A. Amsterdam, Sacramento, CA, USA

09:45 STATE-OF-THE-ART CVD PREVENTION: LOOKING BEYOND AND INTERPRETING THE ACC/AHA PREVENTION OF CARDIOVASCULAR DISEASE GUIDELINES (Invited Lecture)
N.D. Wong, University of California, Irvine, CA, USA

10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

10:45 – 13:30 Hall A

PL01 Plenary Session
NOVEL CELLULAR MECHANISMS OF ATHEROSCLEROSIS

Chairs: K. Maiese, Newark, NJ, USA
Z.S. Galis, Bethesda, MD, USA

10:45 VASCULAR RESIDENT STEM CELLS IN ARTERIOSCLEROSIS
(Invited Lecture)
Q. Xu
King's College London, London, UK

11:00 EARLY DIAGNOSIS OF THE CARDIOVASCULAR SYSTEM – THE NANOMEDICAL EVALUATION OF ENDOTHELIAL DYSFUNCTION
(Invited Lecture)
T. Malinski, M.M. Rudek
Ohio University, Athens, Ohio, USA

11:15 NAVIGATING THE COMPLEXITIES OF APOPTOSIS AND AUTOPHAGY IN CARDIOVASCULAR DISEASE: CAN WE CHART A CLEAR COURSE?
(Invited Lecture)
K. Maiese, University of Medicine & Dentistry of New Jersey, Newark, NJ, USA

11:30 THE SECRET SUPREMACY OF SMALL BLOOD VESSELS, AN ENDURING PUZZLE OF THE CARDIOVASCULAR SYSTEM: RESEARCH GAPS AND OPPORTUNITIES
(Invited Lecture)
Z.S. Galis, National Heart, Lung, and Blood Institute, Bethesda, MD, USA

11:45 AGING, ESTROGEN, CELL SENESCENCE AND VASCULAR INFLAMMATION
(Invited Lecture)
A.A. Knowlton, H.V. Hwang, University of California, Davis, CA, USA
PL01  Plenary Session
NOVEL CELLULAR MECHANISMS OF ATHEROSCLEROSIS (cont.)

12:00  CORONARY VASOMOTOR REGULATION BY CRP AND LOX-1 RECEPTORS  
       (Invited Lecture)  
       L. Kuo, T.W. Hein  
       Texas A&M Health Science Center, Temple, TX, USA  
       Abstract No. 006

12:15  REGULATION OF EARLY GROWTH RESPONSE PROTEIN-1 IN VASCULAR  
       SMOOTH MUSCLE CELLS  (Invited Lecture)  
       A.K. Srivastava, Centre Hospitalier de l’ Universite de Montreal, Montreal, QC, Canada  
       Abstract No. 007

12:30  CARDIOVASCULAR EFFECTS OF CARFILZOMIB, A NEW PROTEASOME  
       INHIBITOR, ON CORONARY RESISTENCIES, VASCULAR TONE AND  
       VASCULAR REACTIVITY  (Invited Lecture)  
       T.M. Scarabelli  
       Icahn School of Medicine at Mount Sinai, New York, USA  
       Abstract No. 008

12:45  ASPIRIN-SENSITIVE THROMBOXANE GENERATION AS A MARKER OF  
       ENDOTHELIAL DYSFUNCTION  (Invited Lecture)  
       J.J. Rade  
       University of Massachusetts Medical School, Worcester, MA, USA  
       Abstract No. 009

13:00  REGULATION OF MYOCARDIN ACTIVITY IN VASCULAR SMOOTH MUSCLE  
       (Invited Lecture)  
       X-L. Zheng, Libin Cardiovascular Institute of Alberta, Cumming School of Medicine, University of Calgary, Canada  
       Abstract No. 010

13:15  ATHEROSCLEROSIS, CANCER AND WOUND HEALING; THE SYSTEMS  
       BIOLOGY CONNECTION  (Invited Lecture)  
       A.R. Lucas, S. Ambadapadi, S. Morshed, G. Munuswamy Ramanujam, D. Zheng,  
       Department Medicine, Division Cardiology, University of Florida, USA  
       Abstract No. 011

13:30  LUNCH BREAK, VISIT POSTERS AND EXHIBITION
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
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| 10:45 | **PL02** Plenary Session **CARDIOVASCULAR IMAGING: FROM DIAGNOSIS TO PROGNOSIS** | Chairs: **J. Mahmarian**, Houston, TX, USA  
                     **S.F. Nagueh**, Houston, TX, USA                                                                 | Hall B                           |              |
| 10:45 | DETERMINANTS OF CARDIAC FUNCTION IN PATIENTS WITH DILATED CARDIOMYOPATHY     | **S.F. Nagueh**, Methodist DeBakey Heart and Vascular Center, Houston, TX, USA                                        |                                  | 012          |
| 11:00 | PREDICTING LONG-TERM RISK IN GENERALLY ASYMPTOMATIC PATIENTS: CARDIAC TESTING IN A MULTIMODALITY IMAGING WORLD | **S. Chang**, F. Nabi, J. Xu, **J. Mahmarian**  
Houston Methodist DeBakey Heart and Vascular Center, Houston, TX, USA |                                  | 013          |
| 11:15 | CAC TESTING IN 2015: ROLE IN SHARED DECISION MAKING?                          | **K. Nasir**, Center for Wellness and Prevention Baptist Health South Florida, Miami Beach, FL, USA                    |                                  | 014          |
| 11:30 | CURRENT STATUS OF INTRAVASCULAR IMAGING                                       | **S.K. Koshy**, University of Tennessee Health Sciences Center, Memphis, Tennessee, USA                                |                                  | 015          |
| 11:45 | SAFETY AND EFFICACY OF DUAL MOTION ROTATIONAL CORONARY ANGIOGRAPHY            | **J.A. Garcia**, Orlando Health, Orlando, FL, USA                                                                      |                                  | 016          |
| 12:00 | EMERGING NONINVASIVE TECHNIQUES FOR ASSESSMENT OF MYOCARDIAL STIFFNESS BY ECHOCARDIOGRAPHY | **C. Pislaru**  
Mayo Clinic College of Medicine, Rochester, Minnesota, USA                                                        |                                  | 017          |
| 12:15 | COMPUTED TOMOGRAPHY CORONARY ANGIOGRAPHY: DIAGNOSTIC AND PROGNOSTIC VALUE     | **F.B. Sozzi**, Cardiology Unit, Policlinico Hospital, Milan, Italy                                                   |                                  | 018          |
| 12:30 | EXERCISE ECHOCARDIOGRAPHY: ADVANTAGES AND DISADVANTAGES                        | **M. Prokudina**, Federal North-West Medical Research Center, St. Petersburg, Russia                                   |                                  | 019          |
| 12:45 | POINT OF CARE ULTRASOUND, THE NEW PHYSICAL EXAMINATION                        | **I. Kedan**, R. Khandwalla, M. Ciozda  
Cedars Sinai Heart Institute, Los Angeles, CA, USA                                                                    |                                  | 020          |
SATURDAY, JULY 25, 2015

10:45 – 13:15       Hall B

PL02 Plenary Session
CARDIOVASCULAR IMAGING: FROM DIAGNOSIS TO PROGNOSIS (cont.)

13:00 DO PELVIC VASCULAR BED CALCIFICATIONS CORRELATE TO
CORONARY ARTERY CALCIFICATIONS IN MODERN AMERICAN
POPULATION? (Invited Lecture)
K. Palatnik, M.J. Budoff, M. Kim, D.S. Berman, J. Mirocha, Y. Charuzi
Cedars-Sinai Medical Center, Los Angeles, CA, USA

13:15 LUNCH BREAK, VISIT POSTERS AND EXHIBITION
SATURDAY, JULY 25, 2015

10:45 – 12:30 Hall C

S21 Session
INTERVENTIONAL CARDIOLOGY / ANTITHROMBOTIC AND ANTIPLATELET THERAPY IN PCI

Chairs:  J.D. Marsh, Little Rock, AR, USA
         H.K. Reddy, St. Louis, MO, USA

10:45 UPDATE ON THE TREATMENT OF THE CHRONIC TOTAL OCCLUSION
(Invited Lecture)
B. Uretsky
University of Arkansas for Medical Sciences, Little Rock, AR, USA

11:00 CONTEMPORARY PRACTICE PATTERN AND OUTCOME FOLLOWING
TRANSRADIAL AND TRANSFEMORAL INTERVENTIONS IN RECENT
ANTIPLATELET ERA: A PROPENSITY SCORE-MATCHED ANALYSIS
T.J. Hong, J. Yoon
Pusan National University Hospital, Busan, South Korea

11:15 UTILITY OF FREQUENCY DOMAIN OPTICAL COHERENCE TOMOGRAPHIC
EVALUATION OF ANGIOGRAPHICALLY OPTIMIZED STENTED LESIONS
M. Agrawal, Z. Ahmed, A. Hakeem, B.F. Uretsky
Central Arkansas Veterans Health System and the University of Arkansas for Medical
Sciences, Little Rock, AR, USA

11:30 LONG TERM CLINICAL OUTCOMES FOLLOWING SIROLIMUS-ELUTING
STENT IMPLANTATION IN DIABETIC VS. NON-DIABETIC PATIENTS
L. Mimish, A. Khoja, N. Ahmad, I. Altnji, H. Mimish, B. Khambhati, A. Thakkar
King Abdulaziz University, Jeddah, Saudi Arabia

11:45 FERROMAGNETIC STENT-GRAFT FOR RAPID ENDOTHelial
CELL-CAPTURE
S. Uthama, B.J. Tefft, G.S. Sandhu, D. Dragomir-Daescu
Mayo Clinic College of Medicine, Rochester, MN, USA

12:00 RADIAL APPROACH TO CORONARY ARTERY BYPASS GRAFT
ANGIOGRAPHY AND INTERVENTION REDUCES ACCESS SITE COMPLICATIONS
St Lukes University Health Network, Bethlehem, PA, USA

12:15 RELATIONSHIP OF INTRA-PROCEDURAL HEPARIN DOSE AND
ACTIVATED ClOTTING TIME DURING PERCUTANEOUS CORONARY
INTERVENTION
K. Narala, S. Banga, H. Ghadiam, D. Narala, T. Grewal, A. Aggarwal, A. Akepati,
S. Mungee
University of Illinois College of Medicine at Peoria, Illinois, USA.

12:30 LUNCH BREAK, VISIT POSTERS AND EXHIBITION
SATURDAY, JULY 25, 2015

10:45 – 12:45       Hall D

S22 Session

PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY, CONGENITAL HEART DISEASE

Chairs: B.N. Mora, Rochester, MN, USA
        C.S. Snyder, Cleveland, OH, USA

10:45 RIGHT ATRIAL MECHANICS PROVIDE USEFUL INSIGHTS IN IDIOPATHIC PULMONARY HYPERTENSION IN CHILDREN

K. Hope, Y. Wang, H. Nawaytou, B. Hanna, A. Banerjee
Children's Hospital of Philadelphia, Philadelphia, PA

11:00 MORPHOLOGIC SEVERITY DOES NOT PREDICT MYOCARDIAL CONTRACTILE FUNCTION IN PEDIATRIC NONCOMPACITION CARDIOMYOPATHY

C. Lilje, J.C. Cronan, K. Leone, O. Evrim, S. Patel
Louisiana State University Health Sciences Center, New Orleans, LA, USA

11:15 TRANS CATHETER CLOSURE OF PERIMEMBRANOUS VENTRICULAR SEPTAL DEFECT

A. Lorber, M. Dotan, Y. Or
Ruth Children's Hospital, Rambam Health Care Campus,
The Rappaport Faculty of Medicine – Technion, Haifa, Israel

11:30 PEDIATRIC POST-OPERATIVE ATRIO-VENTRICULAR BLOCK MEETS THE AFFORDABLE CARE ACT: A NEW STRATEGY FOR MANAGEMENT

M.L. Morello, J.S. Steinberg, C. Snyder
Rainbow Babies & Children's Hospital, Case Western Reserve University
School of Medicine, Cleveland, OH, USA

11:45 HEART FAILURE CRT PACING IN CONGENITAL HEART: ACUTE VENTRICULAR PACED CONTRACTILITY (DP/DT) IS AN EFFECTIVE MARKER TO PREDICT CHRONIC EFFICACY

P.P. Karpawich, Y. Sanil, N. Bansal, K. Zelin
The Children's Hospital of Michigan/Wayne State University, Detroit, MI, USA

12:00 ABNORMAL FETAL Z-SCORES ARE A SENSITIVE PREDICTOR OF FETAL HEART DISEASE

Children's Hospital of Illinois, Peoria, IL, USA

12:15 PRENATAL DIAGNOSIS AND OUTCOMES OF FETUSES WITH TRICUSPID ATRESIA IN A COUNTRY WITH LIMITED RESOURCES

R. Bejiqi, R.J. Retkoceri, H.S. Bejiqi, A.S. Beha, A.R. Retkoceri
Pediatric Clinic Universitu Clinical Center of Kosovo, Prishtina, Republic of Kosovo

12:30 OUTCOME OF PEDIATRIC PATIENTS WHO UNDERWENT TETRALOGY OF FALLOT CORRECTION IN CORRELATION WITH THE SURGICAL TECHNIQUE USED IN RELIEVING THE RVOT OBSTRUCTION

L.G. Mandigma, M.B.A. Azcueta, C.A. Estevanez, M.C. Yap
Philippine Heart Center, Quezon City, Philippines

12:45 LUNCH BREAK, VISIT POSTERS AND EXHIBITION
### P101 SECONDARY PREVENTION, PROGNOSIS, RISK STRATIFICATION, CARDIAC REHABILITATION

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<tr>
<th><strong>COMPARISON OF LONG-TERM CLINICAL OUTCOME OF ANGIOTENSIN-CONVERTING ENZYME INHIBITOR VERSUS ANGIOTENSIN II RECEPTOR BLOCKER IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION UNDERGOING PERCUTANEOUS CORONARY INTERVENTION</strong></th>
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<td>The Catholic University of Korea, Seoul, Korea</td>
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<th><strong>GLOBAL LONGITUDINAL STRAIN AND SEGMENTAL STRAIN PATTERN AS A PREDICTOR OF OUTCOME IN PATIENTS UNDERGOING AUTOLOGOUS STEM CELL TRANSPLANTATION FOR MULTIPLE MYELOMA</strong></th>
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<tr>
<td><strong>K. Dawson, J. Minnier, E. Scott, S. Heitner</strong></td>
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<td>Oregon Health and Science University, Portland, OR, USA</td>
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<th><strong>LACK OF SOCIAL SUPPORT IS RELATED TO MORE DEPRESSIVE SYMPTOMS AND WORSE RENAL FUNCTION IN POST-ACS PATIENTS</strong></th>
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<td><strong>A.L. Arrebola-Moreno, D. Petrova, R. Garcia-Retamero, A. Catena, J.A. Ramirez-Hernandez</strong></td>
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<td>Virgen de las Nieves University Hospital, Granada, Spain</td>
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### P102 LIPIDS, LIPOPROTEIN DISORDERS AND CAD

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<tr>
<th><strong>KNOWLEDGE OF CARDIOVASCULAR RISK FACTORS IN HIGH-RISK POPULATIONS: WHAT PHYSICIANS STAND TO LEARN</strong></th>
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<tr>
<td><strong>H.N. Patel, N.T. Aggarwal, A. Volgman</strong></td>
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<tr>
<td>Rush University Medical Center, Chicago, IL, USA</td>
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<tr>
<th><strong>THE STATIN MYALGIA CLINICAL INDEX (SMCI): ENHANCEMENTS AFTER COGNITIVE INTERVIEWS WITH PHYSICIANS</strong></th>
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<td><strong>K. Miller, M. Bayliss, D. Chibedi De-Roche, M. Baccara-Dinet, I. Khan, M. White, R. Sanchez</strong></td>
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<td>Regeneron Pharmaceuticals Inc., Tarrytown, NY, USA</td>
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<tr>
<th><strong>HYPERURICEMIA IS ASSOCIATED WITH WORSE LIPIDS PROFILE AND CARDIAC FUNCTION IN ELDERLY ATRIAL FIBRILLATION PATIENTS</strong></th>
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<tr>
<td><strong>W.Y. Liang, M.L. Liu, W. Xiang, J.W. Zhang, X.R. Feng</strong></td>
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<tr>
<td>Peking University First Hospital, Beijing, China</td>
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SATURDAY, JULY 25, 2015

08:00 – 13:00  Poster Hall

P103  PREDICTORS AND MARKERS OF HEART FAILURE OUTCOME

Board No  Abstract No.
7  LEFT ATRIAL ENLARGEMENT AS A MARKER OF SEVERITY OF DIASTOLIC DYSFUNCTION AND CORRELATION WITH DEMOGRAPHICS P. Rodriguez-Lozano, S. Raslan, A. Melhem, M. Shieh, A. Khan, P. Nalabothu, M. Morsy, W.I. Khalife UTMB, Galveston, TX, USA  043

8  LEFT ATRIAL ENLARGEMENT IN PATIENTS WITH ATRIAL FIBRILLATION AND STROKE AND DIASTOLIC DYSFUNCTION P. Rodriguez-Lozano, S. Raslan, A. Melhem, M. Shieh, A. Khan, P. Nalabothu, M. Morsy, W.I. Khalife, M. Alghrouz UTMB, Galveston, TX, USA  044

P104  PULMONARY CIRCULATION ASPECTS, PULMONARY HYPERTENSION

9  PROGNOSTIC VALUE OF RIGHT ATRIAL FUNCTION AND DIMENSION IN PATIENTS WITH PULMONARY HYPERTENSION R. Placido, N. Cortez-Dias, S.R. Martins, T. Guimaraes, S. Goncalves, L. Santos, E. Infante de Oliveira, A.G. Almeida, F. Pinto Hospital Santa Maria, Serv Cardiologia I, Lisbon Academic Medical Centre, CCUL, Lisbon, Portugal  045

10  DETERMINANTS OF SUBCLINICAL ATHEROSCLEROSIS IN PATIENTS WITH OBSTRUCTIVE SLEEP APNEA I. Tomeckova, M. Kozarova, D. Petrasova, I. Paranicova, Z. Malachovska, I. Tkac, P. Joppa, R. Tkacova L. Pasteur University Hospital, Kosice, Slovakia  046

11  ROLE OF THE ELECTROCARDIOGRAPHY FOR EARLY RISK STRATIFICATION IN ACUTE PULMONARY EMBOLISM D.B. Petrov, M.H. Milanova Emergency Hospital “Pirogov” Sofia, Bulgaria  047

12  PULMONARY HYPERTENSION IN A PATIENT WITH CONGENITAL HEART DEFECTS AND HETEROTAXY SYNDROME H. Keshmiri, T. Yousuf, J. Kramer Advocate Christ Medical Center, Chicago, IL, USA  048

13  MASSIVE PULMONARY EMBOLI FOLLOWING DISCONTINUATION OF RIVAROXABAN P. Samani, J. Bohinc, M. Quraishi, H. Hahn, B. Schwartz Kettering Medical Center, Kettering, Ohio, USA  049

14  NOVEL ECG PREDICTORS FOR PULMONARY EMBOLISM H.H. Mehta, A. Vishnevsky, J. Finkel, N. Fonseka, G. Marhefka Thomas Jefferson University Hospital, Philadelphia, PA, USA  050
**SATURDAY, JULY 25, 2015**

08:00 – 13:00  
**Poster Hall**

**P105 CARDIOVASCULAR ASPECTS IN RENAL DISEASE**

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<tr>
<th>Board No</th>
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<td>15</td>
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**ASSOCIATION OF CORONARY ARTERY CALCIFICATION AND ARTERIAL MICRO-CALCIFICATION OF THE VASCULAR ACCESS IN INCIDENT HEMODIALYSIS PATIENTS**  
Y.O. Kim, S.J. Choi, B.S. Kim, H.C. Song  
College of Medicine, The Catholic University of Korea, Seoul, Korea

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<tr>
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**INCREASE OF SEMAPHORIN 3C EXPRESSION IN POLYCYSTIC KIDNEY ACCOMPANIED BY ENDOTHELIAL-TO-MESENCHYMAL TRANSITION**  
B.H. Kim, J.Y. Ko, D.Y. Kim, J.H. Park  
Sookmyung Women’s University, Seoul, South Korea

**P106 CARDIOVASCULAR QUALITY IMPROVEMENT AND OUTCOME**

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**OBSERVATION UNIT CARE: A COMPARISON OF SPECIALIZED CARDIAC VERSES GENERALIZED OU DESIGN**  
D.N. Hurley, D. Stansky, J.W. Huppertz, D.P. McKenna, M.S. Sidhu  
Albany Medical College, Albany, NY, USA

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<th>Board No</th>
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<td>18</td>
<td>054</td>
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**NEGLECTED GUIDELINES OF STAPHYLOCOCCUS AUREUS BACTEREMIA**  
A. Dutta, J. Goldman, P. Cheriyath, Y. Wert  
Pinnacle Health (Harrisburg Hospital), Harrisburg, PA, USA

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<tr>
<th>Board No</th>
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**DIAGNOSTIC YIELD AND INFLUENCE ON MANAGEMENT OF ECHOCARDIOGRAPHY PERFORMED FOR EVALUATION OF SYNCOPE**  
D.N. Hurley, M.S. Sidhu, M.T. Torosoff  
Albany Medical College, Albany, NY, USA

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<tr>
<th>Board No</th>
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**THE ECHOCARDIOGRAPHY APPROPRIATENESS USE CRITERIA PARADOX: MORE STUDIES FOR APPROPRIATE REASONS?**  
K.W. Wong, D.F. Distel, V. Kumar, N. Yager, M.S. Sidhu, D.P. McKenna, M.T. Torosoff, S.A. Fein  
Albany Medical Center, Albany, NY, USA

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<th>Board No</th>
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**HEART FAILURE SUPPORTIVE CARE CLINIC: DOES IT IMPROVE QUALITY OF LIFE?**  
Providence Health Care, Vancouver, BC, Canada
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<th>Board No</th>
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<tr>
<td>22</td>
<td>NOVEL SIMULATION-BASED TRAINING IN CARDIOLOGY: TRAINEE FEEDBACK AND EVALUATION OF A PILOT STUDY</td>
<td>058</td>
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<td></td>
<td>Imperial College London, UK</td>
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<tr>
<td>23</td>
<td>IPHONE ACQUIRED HEART RHYTHM: IS IT RELIABLE FOR CLINICAL DIAGNOSIS?</td>
<td>059</td>
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<tr>
<td></td>
<td><strong>O.S. Sandhu</strong></td>
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<td></td>
<td>California Heart Medical Associates, Fresno, CA, USA</td>
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<tr>
<td>24</td>
<td>CLINICAL PERFORMANCE OF THE HEARTBUDS, AN ELECTRONIC SMARTPHONE LISTENING DEVICE, COMPARED TO FDA CLASS I AND CLASS II STETHOSCOPES</td>
<td>060</td>
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<td><strong>R.S. Patel</strong>, J.E. Schwarz, V.C. Danesh, A.M. Einhorn, D. Bello</td>
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<tr>
<td></td>
<td>University of Florida College of Medicine, Gainesville, FL, USA</td>
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SATURDAY, JULY 25, 2015

14:00 – 15:45  Hall A

PL03  Plenary Session
NEW INSIGHTS AND STRATEGIES FOR MYOCARDIAL REMODELING AND HEART FAILURE

Chair:  H.N. Sabbah, Detroit, MI, USA
F.G. Spinale, Columbia, SC, USA

14:00  VIEWING HEART FAILURE AS INTERSTITIAL CANCER: DIAGNOSTIC AND THERAPEUTIC AVENUES  (Invited Lecture)
F.G. Spinale
University of South Carolina School of Medicine, Columbia, SC, USA

14:15  BENDAVIA (MTP-131), A MITOCHONDRIA TARGETING PEPTIDE, NORMALIZES DYSREGULATION OF MITOCHONDRIA FISSION AND FUSION PROTEINS IN MYOCARDIUM OF DOGS WITH CHRONIC HEART FAILURE  (Invited Lecture)
H.N. Sabbah, R.C. Gupta
Henry Ford Hospital, Detroit, Michigan, USA

14:30  GENE-TARGETING OF NATRIURETIC PEPTIDE RECEPTOR-A ENHANCES THE EXPRESSION OF RAAS COMPONENTS LEADING TO INFLAMMATORY HYPERTENSION HEART DISEASE  (Invited Lecture)
K.N. Pandey
Tulane University Health Sciences Center, New Orleans, LA, USA

14:45  ALTERED NUCLEAR AND CYTOSKELETAL MECHANICS IN CARDIAC MYOCYTES WITH D192G NUCLEAR LAMIN MUTATION  (Invited Lecture)
C.S. Long, L. Mestroni, O. Sbaizer, University of Colorado, Denver, CO, USA

15:00  MOLECULAR REGULATION OF DOXORUBICIN INDUCED HEART FAILURE  (Invited Lecture)
St. Boniface Hospital Research Centre, University of Manitoba, Winnipeg, Manitoba, Canada

15:15  CALCIUM SIGNAL, TRANSCRIPTION AND DCM  (Invited Lecture)
B. Tuana
University of Ottawa Heart Institute, Ottawa, ON, Canada

15:30  THE ROLE OF MICRORNAS IN PERIPARTUM CARDIOMYOPATHY  (Invited Lecture)
N. Nair
Providence Sacred Heart Medical Center, Spokane, WA, USA

15:45  COFFEE BREAK, VISIT POSTERS AND EXHIBITION
<table>
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<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
<th>Institution(s)</th>
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<tbody>
<tr>
<td>14:00</td>
<td>Arrhythmias in Adult Congenital Heart Disease</td>
<td>C.I. Berul</td>
<td>Children’s National Medical Center, George Washington University, Washington, DC, USA</td>
</tr>
<tr>
<td>14:15</td>
<td>The 2014 AF Guidelines: What’s New?</td>
<td>M.E. Cain</td>
<td>University at Buffalo, Buffalo, NY, USA</td>
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<tr>
<td>14:30</td>
<td>Global Atrial Fibrillation Burden: Prevention Rather Than Treatment Must Be the Goal!</td>
<td>K. Seidl</td>
<td>Medizinische Klinik IV, Ingolstadt, Germany</td>
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<tr>
<td>14:45</td>
<td>Hybrid Atrial Fibrillation for Advanced Atrial Fibrillation</td>
<td>A. Khoynezhad</td>
<td>Cedars-Sinai Medical Center, Los Angeles, CA, USA</td>
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<tr>
<td>15:00</td>
<td>Left Ventricular Reverse Remodeling with Biventricular Versus Right Ventricular Pacing in Patients with Atrioventricular Block and Left Heart Failure in the Block HF Trial</td>
<td>M. St. John Sutton, A.B. Curtis, S.J. Worley, T. Plappert, P.B. Adamson, E.S. Chung</td>
<td>University at Buffalo, Buffalo, NY, USA</td>
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<tr>
<td>15:15</td>
<td>Syncope vs Pseudosyncope: Differentiation, Diagnosis and Treatment</td>
<td>J. Robinson, C. Snyder</td>
<td>Case Western Reserve University School of Medicine, Rainbow Babies and Children’s Hospital, Cleveland, OH, USA</td>
</tr>
<tr>
<td>15:30</td>
<td>Success of Atrial Fibrillation Ablation in Various Subsets</td>
<td>K. Srivathsan</td>
<td>Mayo Clinic, AZ, USA</td>
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<tr>
<td>15:45</td>
<td>Zhang’s Phenomenon (His Electrogram Alternans) and a New Model of Atrioventricular Node Dual Pathway Conduction</td>
<td>Y. Zhang</td>
<td>New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA</td>
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<tr>
<td>16:00</td>
<td>Long Term Outcomes of Surgical AF Ablation: Assessment of Efficacy Using Implantable Cardiac Monitors</td>
<td>C. Castellani, M. Viqar, D. Gandhi, D. Grimes, J. Boak, J. Ip</td>
<td>Michigan State University, East Lansing, MI, USA</td>
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<tr>
<td>16:15</td>
<td>Coffee Break, Visit Posters and Exhibition</td>
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<td>14:00</td>
<td>077</td>
<td>LIFE-EXPECTANCY DIFFERENCES BETWEEN OLYMPIC HIGH JUMPERS AND DISCUS THROWERS</td>
<td>J. Lee-Heidenreich, J. Myers</td>
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<td>14:15</td>
<td>078</td>
<td>CHOLESTEROL GOALS &amp; TARGETS: SHOULD WE IMPROVE-IT?</td>
<td>L. Sperling, Emory University School of Medicine, Atlanta, GA, USA</td>
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<td>14:30</td>
<td>079</td>
<td>THE EFFECTS OF PLANT-BASED, MEDITERRANEAN, PALEOLITHIC, AND DASH DIETS ON CARDIOVASCULAR DISEASE RISK</td>
<td>A.J. Allen, D.R. Talreja, H.A. Buchanan, J. Wetmore, D. Winegar</td>
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<tr>
<td>15:00</td>
<td>081</td>
<td>ASPIRIN FOR PRIMARY PREVENTION OF CARDIOVASCULAR AND ALL-CAUSE MORTALITY: A META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS</td>
<td>A. Alrifai, S. Al Halabi, R.S. Rosenstein</td>
</tr>
<tr>
<td>15:15</td>
<td>082</td>
<td>RISK OF MYOCARDIAL INFARCTION AND STROKE IN WOMEN WITH FAMILY STRESS IN GENERAL POPULATION 25-64 YEARS IN RUSSIA: WHO EPIDEMIOLOGICAL PROGRAM MONICA-Psychosocial</td>
<td>V. Gafarov, D. Panov, E. Gromova, I Gagulin, A. Gafarova</td>
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<tr>
<td>15:30</td>
<td>083</td>
<td>DECREASED SERUM VASPIN LEVELS ARE ASSOCIATED WITH CORONARY ARTERY DISEASE: A META-ANALYSIS</td>
<td>P. Agasthi, A. Chenna, P. Kudaravalli, S. Aloor, A. Onwuanyi</td>
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<td>15:45</td>
<td>084</td>
<td>GEOGRAPHIC VARIATION OF CARDIOVASCULAR DISEASE MORTALITY IN ASIAN AMERICAN SUBGROUPS</td>
<td>J. Pu, K.G. Hastings, D. Boothroyd, P.O. Jose, S. Chung, M.R. Cullen, L.P. Palaniappan, D.H. Rehkopf</td>
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PL04  Plenary Session  
ASSESSMENT AND MANAGEMENT OF CARDIOVASCULAR RISK / MODIFICATION OF LIPOPROTEINS (cont.)

16:00  MAJOR CAUSES OF DEATH FOR EAST ASIAN SUBGROUPS IN THE UNITED STATES COMPARED TO COUNTRIES OF ORIGIN (2003-2011)
Stanford University School of Medicine, Stanford, CA, USA

16:15  COFFEE BREAK, VISIT POSTERS AND EXHIBITION
### S24 Session

**NEW DIRECTIONS IN CARDIOVASCULAR SURGERY: HEART VALVE SURGERY / CORONARY REVASCULARIZATION / MECHANICAL CIRCULATORY SUPPORT / CARDIAC TRANSPLANTATION**

**Chairs:** M. Dandel, Berlin, Germany  
A. Khoynezhad, Los Angeles, CA, USA

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<th>Time</th>
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<tr>
<td>14:00</td>
<td>TREATMENT OF OBSTRUCTIVE THROMBOSED PROSTHETIC HEART VALVE (Invited Lecture)</td>
<td>086</td>
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<td><strong>S.H. Rahimtoola, G. Huang</strong> University of Southern California, Los Angeles, CA, USA</td>
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<td>14:15</td>
<td>LEFT ATRIAL APPENDAGE – A NOVEL TECHNIQUE FOR EXCLUSION</td>
<td>087</td>
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<td><strong>S.K. Singh, V. Devenraj, D. Kaushal</strong> King George’s Medical University, Lucknow, India</td>
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<td>14:30</td>
<td>WHICH STEM CELL TYPE IS MORE EFFICIENT AS AN ADJUNCTIVE TO SURGICAL TREATMENT OF SEVERE ISCHEMIC HEART FAILURE; EXPANDED MESENCHYMAL OR RECYCLING STEM CELLS?</td>
<td>088</td>
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<td><strong>S.H. Ahmadi, M. Soleymani, M. Sahebjam, A.A. Karimi, M. Madani Civi</strong> Tehran Heart Center, TUMS, Tehran, Iran</td>
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<td>14:45</td>
<td>EXAMINING THE COMPLEMENTARY EFFECTIVENESS OF THE ADDITION OF WARFARIN TO ASPIRIN ON PREVENTION OF SAPHENOUS VEIN GRAFT THROMBOSIS</td>
<td>089</td>
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<td><strong>D. De Leon, F. Alemu, M. Bentley, J. Payne, T. Ball</strong> Carillon Clinic-Virginia Tech School of Medicine, Roanoke, USA</td>
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<td>15:00</td>
<td>RISK FACTORS FOR AAA IN SUBJECTS LESS THAN 65 YEARS OF AGE</td>
<td>090</td>
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<td><strong>A. Parashar, K. Joshi, V. Chilakapati, N. Jarmukli</strong> Veterans Affairs Medical Center, Salem, VA, USA</td>
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<td>15:15</td>
<td>IMPELLA 2.5: TIME FOR A MORATORIUM?</td>
<td>091</td>
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<td><strong>P. Samani, R. Arcenas, H. Khattak, H. Hahn, B. Schwartz</strong> Kettering Medical Center, Kettering, Ohio, USA</td>
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<td>15:30</td>
<td>EXAMINING THE EFFECTIVENESS OF DUAL ANTIPLATELET THERAPY WITH ASPIRIN AND CLOPIDOGREL IN PREVENTING SAPHENOUS VEIN GRAFT THROMBOSIS</td>
<td>092</td>
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<td><strong>D. De Leon, F. Alemu, J. Payne, M. Bentley, T. Ball</strong> Carillon Clinic-Virginia Tech School of Medicine, Roanoke, USA</td>
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<tr>
<td>15:45</td>
<td>COFFEE BREAK, VISIT POSTERS AND EXHIBITION</td>
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SATURDAY, JULY 25, 2015

16:45 – 18:00 Hall A

PL05 Plenary Session
CELLULAR AND MOLECULAR MECHANISMS OF CARDIOPROTECTION, CARDIAC REGENERATION AND REMODELING

Chairs: A.M. Gerdes, Old Westbury, NY, USA
        J.G. Filep, Montreal, QC, Canada

16:45 C-REACTIVE PROTEIN MODULATION OF INFLAMMATION IN ACUTE CORONARY ARTERY DISEASE (Invited Lecture)
       J.G. Filep, University of Montreal, Montreal, QC, Canada

17:00 CARDIOPROTECTIVE EFFECTS OF THERAPEUTIC T3 TREATMENT IN MYOCARDIAL INFARCTION AND ISCHEMIA REPERFUSION (Invited Lecture)
       A.M. Gerdes, V. Rajagopalan, Y. Zhang, Y. Chen
       New York Institute of Technology-College of Osteopathic Medicine,
       Old Westbury, NY, USA

17:15 REGULATION OF INTESTINAL GENES BY AN ORAL PEPTIDE REDUCES SYSTEMIC INFLAMMATION AND ATHEROGENESIS (Invited Lecture)
       M. Navab, S. Mottahedan, G. Doroudian, A. Parsa, F. Yazdanpanah,
       M. Sharifzadeh, S. Vazirian
       David Geffen School of Medicine, University of California, Los Angeles, CA, USA

17:30 ALTERATIONS OF MACРОPHAGE GSH/GSSG STATUS REGULATE CD36 EXPRESSION AND FOAM CELL FORMATION: IMPLICATION OF GSH-ANTIOXIDANT SYSTEM IN ATHEROSCLEROSIS (Invited Lecture)
       X. Yang, H. Yao, Y. Chen, Y. Duan, J. Han
       Nankai University, Tianjin, China

17:45 RELAXIN, A POTENTIAL THERAPY FOR ATRIAL FIBRILLATION
       B. Henry, C. McTiernan, A. Parikh, D. Patel, S. Shroff, D. Schwartzman, G. Salama
       University of Pittsburgh, Pittsburgh, PA, USA

Abstract No.
**S25 Session**

**CHRONIC ISCHEMIC HEART DISEASE – MECHANISMS AND MANAGEMENT**

Chairs:  
J.A. García, Orlando, FL, USA  
R. Manfredini, Ferrara, Italy

---

16:45 SPOTTY CALCIFICATION IN SUPERFICIAL LOCATION IS A MARKER OF VULNERABLE PLAQUE  
P. Jun, P. Zhang, G. Mintz, B. He  
Shanghai Renji Hosp, School of Med, Shanghai Jiaotong Univ, Shanghai, China

17:00 IMPACT OF PERCUTANEOUS INTERVENTION OF CORONARY CHRONIC TOTAL OCCLUSION ON LEFT VENTRICULAR EJECTION FRACTION  
St Lukes University Health Network, Bethlehem, PA, USA

17:15 UTILITY OF A NOVEL CORONARY ARTERY DISEASE BIOMARKER ALGORITHM IN MODIFYING PHYSICIAN ADHERENCE TO GUIDELINE-BASED THERAPY  
D.S. Harrington, N.D. Wong, Y. Luo  
University of Southern California, Los Angeles, USA

17:30 CYP2D6 GENETIC INFORMATION-GUIDED METOPROLOL USE IN A CARDIOLOGY CLINIC – A PROSPECTIVE STUDY  
A. Kodali, K. Khalighu, Y. Wu, S.A. Mirabbasi, B. Khalighi, W.Q. Fan  
Easton Hospital, Easton, PA, USA

17:45 SERUM CYSTATIN C, AN INDEX OF RENAL DYSFUNCTION, AS A MARKER IN ISCHEMIC HEART DISEASE  
M.M. Gevorgyan, N.P. Voronina, T.V. Kozaruk, Ts.P Korolenko, T.A. Korolenko  
Institute of Physiology and Fundamental Medicine, Scientific Center of Experimental and Clinical Medicine, SB RAMS, Novosibirsk, Russia

18:00 CORONARY SINUS FILLING TIME IN PATIENTS HAVING ANGINA WITH NORMAL EPICARDIAL CORONARY ARTERIES  
BSMMU, Shahbag, Dhaka, Bangladesh

18:15 INCREASED LV MASS IS RELATED WITH ATYPICAL CHEST PAIN IN WOMEN  
Heart Center, Gachon University Gil Medical Center, Korea

18:30 HEART ATTACKS IN YOUNG ADULTS OF CENTRAL CALIFORNIA  
O.S. Sandhu, B.K. Joshi  
University of San Francisco Fresno, Fresno, CA, USA
## Session

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

**Chairs:**
- **M.A. Alpert**, Columbia, MO, USA
- **A.A. Knowlton**, Davis, CA, USA

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<th>Authors</th>
<th>Institution(s)</th>
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<tr>
<td>16:45</td>
<td>COLCHICINE FOR PREVENTION OF PERICARDITIS RECURRENCE: META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS</td>
<td>M.S. Salih, H.A. Mlatoum, E. Leung, D.G. Meyers</td>
<td>St Luke’s Hospital, Chesterfield, MO, USA</td>
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<tr>
<td>17:00</td>
<td>PATTERN OF CARDIAC SURVEILLANCE AMONG LYMPHOMA PATIENTS RECEIVING ANTHRACYCLINE-BASED CHEMOTHERAPY</td>
<td>O.Y. Hung, J.R. Brown, T. Dai, K.A. Easley, C.R. Flowers, S. Parashar</td>
<td>Emory University, Atlanta, GA, USA</td>
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<td>17:15</td>
<td>LEFT VENTRICULAR ASSIST DEVICE (LVAD) REVERSES INHIBITION ON BETA-ADRENERGIC RECEPTOR RESENSITIZATION</td>
<td>E. Martelli, A. Chatterjee, C. Moravec, R. Starling, S.V. Naga Prasad</td>
<td>Cleveland Clinic, Cleveland, OH, USA</td>
</tr>
<tr>
<td>17:30</td>
<td>THE IMPACT OF LIVER TRANSPLANTATION ON MYOCARDIAL FUNCTION IN PATIENTS WITH FAMILIAL AMYLOID POLYNEUROPATHY</td>
<td>R. Placido, N. Cortez-Dias, M. Nobre e Menezes, G. Lima da Silva, I. Conceicao, T. Guimaraes, S. Goncalves, A.G. Almeida, F. Pinto, C. Azevedo Coutinho</td>
<td>Hospital Santa Maria, Serv Cardiologia I, Lisbon Academic Medical Centre, CCUL, Lisbon, Portugal</td>
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<tr>
<td>17:45</td>
<td>RESOLUTION OF THE S WAVE IN LEAD I: A CRITERION OF SUCCESSFUL THROMBOLYSIS IN ACUTE PULMONARY EMBOLISM</td>
<td>D.B. Petrov, M.H. Milanova</td>
<td>Emergency Hospital “Pirogov” Sofia, Bulgaria</td>
</tr>
<tr>
<td>18:00</td>
<td>EXERCISE HEMODYNAMICS AMONG PATIENTS WITH DYSPNEA ON EXERTION</td>
<td>M. Rumbak, J.H. Kim, M. Sadique, M. Ali, A. Qamar, A. Ali</td>
<td>Institute of Cardiovascular Excellence, Ocala, FL, USA</td>
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<tr>
<td>18:15</td>
<td>PERICARDIAL DECOMPRESSION SYNDROME: AN ENTITY IN NEED OF URGENT ATTENTION</td>
<td>A. Sinha, A. Singh, R. Kumar, J. Shirani</td>
<td>Saint Lukes University Hospital, Bethlehem, PA, USA</td>
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<tr>
<td>18:30</td>
<td>BIOMARKERS IN THE RESPITE TRIAL INVESTIGATING RIOCGUAT IN PAH PATIENTS WITH INSUFFICIENT RESPONSE TO PDE-5I</td>
<td>J. Klinger, M.M. Hoeper, R. Benza, G. Simonneau, D Langleben, R Naeije, P.A. Corris</td>
<td>Rhode Island Hospital, Providence, RI, USA</td>
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</table>
S27  Session  NEW DIAGNOSTIC METHODS AND IMAGING TECHNIQUES / ECHOCARDIOGRAPHY

Chairs:  
Y. Charuzi, Los Angeles, CA, USA  
S.K. Koshy, Memphis, Tennessee, USA

16:45  DOBUTAMINE STRESS ECHOCARDIOGRAPHY FOR CARDIOVASCULAR RISK STRATIFICATION PRIOR TO RENAL TRANSPLANT  
Y.R. Manda, A. Sinha, S. Agrawal, A. Singh, J. Shirani  
St Luke’s University Health Network, Bethlehem, PA, USA

17:00  UTILITY OF HAND HELD ECHO FOR ASSESSMENT OF LEFT ATRIAL VOLUME IN CLINICAL SETTINGS  
V. Ng, J. Hu, D. Wong, P.K. Lee, P. Nair, J. Jue, K. Gin, M. Barnes, D. Thompson, T.S. Tsang  
University of British Columbia, Vancouver, BC, Canada

17:15  3D ECHO CAN BE USED TO OPTIMIZE PACING ALONG THE LONGITUDINAL LEFT VENTRICULAR AXIS WHEN USING A MULTIPOLAR LEAD  
W.B. Cutting, D. Winchester, M. Panna, M. Jansen, J. Petersen, M. McKillop  
University of Florida, Gainesville, FL, USA

17:30  DIASTOLIC MYOCARDIAL STIFFNESS ESTIMATED BY ECHOCARDIOGRAPHY IN PATIENTS WITH AORTIC STENOSIS  
M.M. Alashry, S.A. Luis, P.A. Pellikka, S.V. Pislaru, C. Pislaru  
Division of Cardiovascular Diseases, Mayo Clinic, Rochester MN, USA

17:45  EXERCISE STRESS ECHOCARDIOGRAPHY BETTER PREDICTS MYOCARDIAL ISCHEMIA THAN EXERCISE ECG IN FEMALE PATIENTS WITH CHEST PAIN  
Samsung Medical Center, Seoul, South Korea

18:00  CENTRAL OBESITY: AN INDEPENDENT ROLE OR SYNERGISTIC EFFECT TO METABOLIC SYNDROME ON RIGHT VENTRICULAR STRUCTURE AND FUNCTION?  
F.A. Ali, S.W.G. Bakhoun, Z.A. Ashour, D.R. Elremisy  
Kasr Al-Ainy Hospital. Cardiology Department, Cairo University, Egypt

18:15  VALUE OF RESTING MYOCARDIAL DEFORMATION ASSESSMENT BY TWO DIMENSIONAL SPECKLE TRACKING ECHOCARDIOGRAPHY IN DETECTING THE PRESENCE, AND PREDICTING THE EXTENT AND LOCALIZATION OF CORONARY ARTERY AFFECTION IN PATIENTS WITH SUSPECTED STABLE CORONARY ARTERY DISEASE  
M.A.S. Fahim, S.W.G. Bakhoun, Y.Y. Abdelmoneim, H.S. Taha  
Kasr Al-Ainy Faculty of Medicine, Cairo University, Egypt

18:30  IMPROVEMENTS IN LEFT ATRIAL APPENDAGE VELOCITIES FOLLOWING TRANSCATHETER AORTIC VALVE REPLACEMENT  
T. Ando, D. Slovut, C. Taub  
Mount Sinai Beth Israel, New York, NY, USA
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<td>THE DIAGNOSTIC VALUE OF THE NEUTROPHIL-LYMPHOCYTE RATIO INSTROKE RECOGNITION</td>
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<td><strong>M. Rukshin, N. Jessani, M. Medina, V. Rukshin</strong></td>
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P203 PREVENTION OF CARDIOVASCULAR DISEASE: ASSESSMENT AND MANAGEMENT OF CARDIOVASCULAR RISK

Board No  Abstract No.
6  CLINICAL IMPACT AND COST-EFFECTIVENESS OF TREADMILL TEST IN ASYMPTOMATIC INDIVIDUALS
   Daejeon St. Mary’s Hospital, The Catholic University of Korea, Daejeon, Korea

7  MODEL FOR ASSESSING CARDIOVASCULAR RISK IN A KOREAN POPULATION
   Daejeon St. Mary’s Hospital, the Catholic University of Korea, Daejeon, Korea

   J.H. Sung, J.Y. Lee, J.E. Lee
   Jackson State University, Jackson, MS, USA

9  THE DEVELOPMENT OF A LIFESTYLE INTERVENTION PROGRAM FOR PEOPLE METABOLIC SYNDROME: BASED ON THE HEALTH BELIEF MODEL
   S.W.S. Lo, S.Y. Chair, F.K. Lee
   The Nethersole School of Nursing, The Chinese University of Hong Kong, HKSAR

P204 HYPERTENSION: BASIC, CLINICAL AND EPIDEMIOLOGICAL

10 INFLUENCE OF ALBUMINURIA ON AMBULATORY BLOOD PRESSURE REGULATION IN PATIENTS WITH CHRONIC KIDNEY DISEASE: THE HYGIA PROJECT
    University of Vigo, Vigo, Spain

11 THE RISK FACTORS THAT PREDICTING THE OCCURRENCE OR PROGRESSION OF CHRONIC HYPERTENSION IN POSTPARTUM PERIOD IN WOMEN WITH A HISTORY OF PREECLAMPSIA
    Samsung Medical Center, Seoul, South Korea
### P204 HYPERTENSION: BASIC, CLINICAL AND EPIDEMIOLOGICAL (cont.)

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<td>Seoul National University Bundang Hospital, South Korea</td>
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<td>Hallym University College of Medicine, Anyang, South Korea</td>
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<td>Kaizuka City Hospital, Kaizuka, Japan</td>
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### P205 MECHANISMS OF ACUTE CORONARY SYNDROME: FROM BENCH TO BEDSIDE

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<td>University of Southern California, Keck School of Medicine, Los Angeles, CA, USA</td>
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S.M. Hayman, Y. Chacko, S. Butterly, A. Willson, R. Poulter, P. Larsen, C. Thompson, D. Colburn, K. Lau, M. Johnson  
Nambour General Hospital, Nambour, QLD, Australia |
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| LARGEST REPORTED SINGLE OPERATOR PERCLOSDE CLOSURE DEVICE EXPERIENCE WITH VERY LOW COMPICATIONS  
K. Kang, G.S. Kang  
UPMC Hamot Hospital, Erie, PA, USA |
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| MORBIDLY OBESE PATIENTS GET EXCELLENT OUTCOMES WITH FEMORAL ACCESS WHEN ACCESS IS OBTAINED BY EXPERIENCED OPERATORS  
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| TRANSCATHETER REPAIR OF A RADIAL ARTERIOVENOUS FISTULA AFTER CARDIAC CATHETERIZATION USING A COVERED STENT  
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Lenox Hill Hospital, New York, NY, USA |
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| COMPARISON OF MANUAL COMPRESSION AND ARTERIAL CLOSURE DEVICE FOLLOWING PERCUTANEOUS CORONARY INTERVENTION IN PATIENTS WITH STEMI USING BARC CLASSIFICATION  
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| QUALITY AT THE CATHLAB: CORONARY REINTERVENTION RATE AT 30 DAYS  
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| USE OF IMPELLA CP AS AN ADJUNCT TO BALLOON AORTIC VALVULOPLASTY AND STENTING OF UNPROTECTED LM  
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M.R. Movahed, M Hashemzadeh, M. Hashemzadeh  
CareMore, University of Arizona, Long Beach VA Health Care System, Tucson, AZ, USA |
SUNDAY, JULY 26, 2015

08:30 – 10:30       Hall A

PL06 Plenary Session
PATHOGENESIS, DIAGNOSIS AND TREATMENT OF AORTIC ANEURYSMS
AND PERIPHERAL ARTERY DISEASE

Chairs: N.S. Dhalla, Winnipeg, MB, Canada
        J.A. Elefteriades, New Haven, CT, USA

Abstract No.

08:30 PRDX II DEFICIENCY INSTIGATES THE DEVELOPMENT OF
ANGIOTENSIN II-INDUCED ABDOMINAL AORTIC ANEURYSMS
N.Y. Ko, J.G. Park, S.J. Jeong, S. Kim, G.T. Oh
Department of Life Sciences, Ewha Womans University, Seoul, Republic of Korea

08:45 CO2-ENRICHED WATER BATH AS A NOVEL THERAPY FOR PERIPHERAL
VASCULAR DISEASE  (Invited Lecture)
N.S. Dhalla
ICS, St. Boniface Hospital Research, Univ. of Manitoba, Winnipeg, MB, Canada

09:00 WHOLE EXOME SEQUENCING FOR THORACIC AORTIC ANEURYSM:
THE FUTURE IS HERE  (Invited Lecture)
J.A. Elefteriades
Yale University School of Medicine, New Haven, CT, USA

09:15 WHAT DIABETES MELLITUS HAS TAUGHT US ABOUT POTENTIAL
TREATMENTS FOR SMALL ABDOMINAL AORTIC ANEURYSMS  (Invited Lecture)
S.D. Gertz, L. Gavish, Y. Mintz, R. Beer, C. Rubinstein, L.Y. Gavish, Y. Berlatzky,
L. Appelbaum, D. Gilon
The Hebrew University–Hadassah Medical School, Jerusalem, Israel

09:30 STRATEGIES FOR PREVENTION OF CARDIOVASCULAR EVENTS IN
PATIENTS WITH POLYVASCULAR DISEASE  (Invited Lecture)
T. Tomaru, T. Matsubara, E. Matsubara, T. Ariyama
Toho University Sakura Hospital, Japan

09:45 DIAGNOSTIC TRICKS AND TIMELY TREATMENT OF AORTIC
INTRAMURAL HEMATOMA  (Invited Lecture)
H.K. Reddy, R.C. Komatireddy, R.K. Sharma, D.J. Voelker
St. Louis University Medical School, St. Louis, MO, USA

10:00 PATIENT QUALITY OF LIFE FOR TISSUE AND MECHANICAL VALVES
AFTER COMPOSITE AORTIC ROOT REPLACEMENT
A.A. Repack, B.A. Ziganshin, J.A. Elefteriades, S. Mukherjee
Aortic Institute at Yale-New Haven Hospital, Yale University School of Medicine,
New Haven, CT, USA

10:15 LONG-TERM SURVIVAL IN PATIENTS WITH CONTRALATERAL CAROTID
OCCLUSION AFTER ENDARTERECTOMY. A COMPARATIVE STUDY
C. Rubio-Taboada, J.L. Durán-Mariño, J.M. García-Colodro
Department of Vascular Surgery, University Hospital Lugo, Spain

10:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION
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<td>NYIT College of Osteopathic Medicine, Old Westbury, NY, USA</td>
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<td>08:45</td>
<td>INHIBITION OF PYRUVATE DEHYDROGENASE KINASE DECREASES THE SEVERITY OF HEART FAILURE (Invited Lecture)</td>
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<td>University of Alberta, Edmonton, Alberta, Canada</td>
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<td>09:00</td>
<td>ROLE OF MITOCHONDRIAL OXIDATIVE STRESS IN GLUCOSE TOLERANCE, INSULIN RESISTANCE, AND CARDIAC DIASTOLIC DYSFUNCTION (Invited Lecture)</td>
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<td>Section of Cardiology, University of Illinois at Chicago, Chicago, IL, USA</td>
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<td>PRO-INFLAMMATORY AND ANTI-INFLAMMATORY MAST CELLS IN OBESITY AND DIABETES (Invited Lecture)</td>
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<td>Fourth Military Medical University, Xi’an, Shaanxi, China</td>
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<td>10:00</td>
<td>ASLEEP, BUT NOT DAYTIME CLINIC OR AWEAK MEAN, BLOOD PRESSURE IS AN INDEPENDENT PREDICTOR OF CARDIOVASCULAR EVENTS IN PATIENTS WITH DIABETES: THE HYGIA PROJECT (Invited Lecture)</td>
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PL07 Plenary Session (cont.)
CARDIOVASCULAR DISEASE AND CARDIOPREVENTION IN DIABETES AND METABOLIC SYNDROME

Abstract No.

10:15 RISK OF DIABETES INCIDENCE WITH STATIN TREATMENT:
STUDY USING NATIONWIDE DATABASE FOR HEALTHCARE RESEARCH
T.A. Ahmad, C. Chuang, D. Leslie, G. Liu, P. Alagona, A. Foy, S.M. Bokhari
Penn State Hershey Medical Center, Hershey, PA, USA

10:30 FEMORAL AND AORTIC INTIMA-MEDIA THICKNESS BUT NOT CAROTID
OR BRACHIAL INTIMA-MEDIA THICKNESS ARE ABNORMAL IN CHILDREN
WITH TYPE 1 DIABETES
C. Lilje, J.P. Cardinale, J. Cronan, L. Kashyap, P. Clesi, E. Oral, R. Gomez,
J. Hempe, S. Chalew
Louisiana State University Health Sciences Center, New Orleans, LA, USA

10:45 THE EFFECTS OF A LIFESTYLE INTERVENTION PROGRAM ON CENTRAL
OBESITY OF PEOPLE WITH METABOLIC SYNDROME
S.W.S. Lo, S.Y. Chair, F.K. Lee
The Nethersole School of Nursing, The Chinese University of Hong Kong, HKSAR

11:00 COFFEE BREAK, VISIT POSTERS AND EXHIBITION
08:30 EFFECTIVELY SCREENING FOR CORONARY ARTERY DISEASE IN PATIENTS UNDERGOING ORTHOTOPIC LIVER TRANSPLANT EVALUATION  
B. Lee, F. Li, J. Hanje, S. Lilly  
The Ohio State University, Columbus, OH, USA

08:45 NON-INVASIVE RISK STRATIFICATION WITH STRESS SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHY IN PATIENTS WITH MYOCARDIAL INJURY FOLLOWING NON-CARDIAC SURGERY  
E. Bangert, McMaster University, Hamilton, ON, Canada

09:00 HEART ATTACK ANXIETY: THE IRONY BEHIND PHYSICAL ACTIVITY RECOMMENDATIONS FOR POST-MI PATIENTS  
K.W. Davidson, J.A. Shaffer, K.M. Diaz, N. Moise, I. Kronish, S. Ye, C. Alcantara  
Columbia University, New York, NY, USA

09:15 OPIUM ADDICTION AND EARLY AND 6-MONTH OUTCOMES OF PATIENTS WITH ST ELEVATION MYOCARDIAL INFARCTION  
M. Mousavi, S. Kalhor, J. Tahmasebi, M. Alizadeh  
Allborz University of Medical Sciences. Karaj, Iran

09:30 CORONARY ARTERY DISEASE AND SERUM APELIN LEVELS: A META-ANALYSIS  
P. Agasthi, A. Chenna, R. Vankina, S. Aloor, R. Harris  
Miller School of Medicine, University of Miami, Miami, Florida, USA

09:45 DYNAMIC LEFT VENTRICULAR OUTFLOW TRACT OBSTRUCTION: ECHOCARDIOGRAPHY GUIDED CLINICAL RISK PREDICTION IN CRITICAL CARE SETTINGS  
M.K. Mittal, Y. Pak, K.C. Dellsperger, A. Anand Chockalingam  
University of Missouri, Columbia, MO, USA

10:00 ST DEPRESSION IN LEAD AVL AS A POTENTIAL PREDICTOR OF POOR OUTCOME AND PROGNOSIS FOR NSTEMI PATIENTS  
N. Parikh, K. Sivakumar, R. Nunes, I. Laptevsky, C. Agarwal, G. Singh, B. Simmons, G. Fernaine, G. Hassen  
NYU Lutheran Medical Center, Brooklyn, NY, USA

10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION
PL08  Plenary Session  VALVULAR / CONGENITAL HEART DISEASE, CARDIAC SURGERY

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

11:15  POSTINfarCTION VENTRICULAR DEFECT: OPERATE OR WAIT?  
      L.P. Perrault, A. Nguyen, Q. De Hemptinne, P-E Noly, R. Ibrahim, D. Bouchard,  
      M. Carrier, R. Cartier, P. Demers, M. Pellerin  
      Montreal Heart Institute, Montreal, QC, Canada

11:30  THE ROLE OF PHARMACOLOGICAL THERAPY IN CHRONIC HEART  
      VALVE DISEASES  (Invited Lecture)  
      J.S. Borer, SUNY Downstate Medical Center, Brooklyn and New York, NY, USA

11:45  ADVANCED IMAGING FOR STRUCTURAL HEART DISEASE INTERVENTIONS  
      (Invited Lecture)  
      H. Jilaihawi, Cedars-Sinai Medical Center, Los Angeles, CA, USA

12:00  AORTIC VALVE DISEASE MANAGEMENT FOR THE 21ST CENTURY:  
      THE UNFOLDING OF TAVR REVOLUTION  (Invited Lecture)  
      A.N. Cheema, University of Toronto, Canada

12:15  LIPID LOWERING IN PATIENTS WITH MILD AORTIC STENOSIS AND  
      ELEVATED LOW DENSITY LIPOPROTEIN: THE SEAS STUDY  (Invited Lecture)  
      A.M. Greve, C.N. Bang, C. Gohlke-Baerwolf, K. Boman, K. Egstrup, Y.A. Kesäniemi,  
      S. Ray, T.R. Pedersen, N.M. Rajamanann, K. Wachtell  
      Mayo Clinic, Rochester MN, USA

12:30  MISCONCEPTIONS AND DIAGNOSTIC CHALLENGES IN BIOPROSTHETIC  
      VALVE THROMBOSIS  (Invited Lecture)  
      S.V. Pislaru, Mayo Clinic, Rochester, MN, USA

12:45  MANAGEMENT OF ASMPTOMATIC AORTIC STENOSIS:  
      WHAT IS NEW IN 2015?  (Invited Lecture)  
      H.P. Chaliki, Mayo Clinic, Scottsdale, AZ, USA

13:00  ROLE OF CILIA IN CONGENITAL HEART DISEASE  (Invited Lecture)  
      M. Zahid  
      Dept. of Developmental Biology, University of Pittsburgh, PA, USA

13:15  REOPERATIVE CARDIAC SURGERY IN ADULT CONGENITAL HEART  
      DISEASE PATIENTS  (Invited Lecture)  
      B.N. Mora, Mayo Clinic, Rochester, Minnesota, USA

13:30  CHILDREN WITH CONGENITAL HEART DISEASE MAY BE AT RISK FOR  
      PREMATURE ATHEROSCLEROSIS IN SPITE OF SUCCESSFUL  
      BIVENTRICULAR REPAIR  
      C. Lilje, B. Finckh, I. Boeters, T. Heitzer, A. Kohlschuetter, J. Weil  
      Louisiana State University Health Sciences Center, New Orleans, LA, USA

13:45  LUNCH BREAK, VISIT POSTERS AND EXHIBITION
**SUNDAY, JULY 26, 2015**

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<tr>
<td><strong>PL09</strong> Plenary Session</td>
<td><strong>CARDIAC STRUCTURE AND FUNCTION IN FAILING AND NON-FAILING HEARTS</strong></td>
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| Chairs: | **B.D. Hoit**, Cleveland OH, USA  
**B.I. Jugdutt**, Edmonton, AB, Canada |
| | Abstract No. |
| 11:15 | **AGING, EXTRACELLULAR MATRIX AND HEART FAILURE: 2015**  
*Invited Lecture*  
**B.I. Jugdutt**  
University of Alberta, Edmonton, AB, Canada |
| 11:30 | **THE POST-PERCARDIECTOMY SYNDROME: PREVENTION AND MANAGEMENT**  
*Invited Lecture*  
**B.D. Hoit**, University Hospitals Case Medical Center, Cleveland OH, USA |
| 11:45 | **CARDIAC FIBROSIS IN HEART FAILURE**  
*Invited Lecture*  
**A.J. Taylor**  
Alfred Hospital and BakerIDI Heart and Diabetes Institute, Melbourne, Australia |
| 12:00 | **GENETIC EPIDEMIOLOGY OF LEFT VENTRICULAR HYPERTROPHY**  
*Invited Lecture*  
**J.N. Bella**, Bronx-Lebanon Hospital Center, Bronx, NY, USA |
| 12:15 | **THE ROLE OF RIGHT VENTRICLE ON HEART FAILURE PROGRESSION**  
*Invited Lecture*  
**C. Chrysohoou**, Cardiologist University of Athens, Greece |
| 12:30 | **EVOLVING UNDERSTANDING OF STRESS CARDIOMYOPATHY**  
*Invited Lecture*  
**A. Chockalingam**  
Division of Cardiovascular Medicine, University of Missouri, Columbia, MO, USA |
| 12:45 | **MYOCARDIAL SEGMENTAL THICKNESS VARIABILITY ON CMR DISTINGUISHES ISCHEMIC AND NON-ISCHEMIC DILATED CARDIOMYOPATHY**  
M. Singh, **M. Bhullar**, A. Samim, C. Srikanth, C. Katikireddy  
Division of Cardiology, UCSF Fresno, Fresno, CA, USA |
| 13:00 | **ASSESSMENT OF RIGHT VENTRICULAR INVOLVEMENT IN TAKOTSUBO CARDIOMYOPATHY**  
P. Shah, **R.C. Van Woerkom**, J.W. Schleifer, F.D. Fortuin, K. Chandrasekaran  
Mayo Clinic Arizona, Phoenix, Arizona, USA |
| 13:15 | **DETERMINANTS OF LEFT VENTRICULAR RECOVERY IN STRESS CARDIOMYOPATHY: A SINGLE CENTER EXPERIENCE**  
**M. Abbasi**, H. Ismail, A. Alam, S. Singh, L. Boutis  
Northshore Long Island Jewish Medical Center, Manhasset, NY, USA |
| 13:30 | **LUNCH BREAK, VISIT POSTERS AND EXHIBITION** |
SUNDAY, JULY 26, 2015

11:15 – 13:15 Hall C

S29 Session
ADVANCES IN ARRHYTHMIA DETECTION, PREVENTION AND TREATMENT

Chairs: K. Seidl, Ingolstadt, Germany
K. Srivathsan, Phoenix, AZ, USA

11:15 PREDICTING READMISSION AFTER IMPLANTABLE CARDIOVERTER DEFIBRILLATOR USING A RISK MODEL
S. Oliver-McNeil, T.N. Templin, D.E. Haines
Wayne State University College of Nursing, Detroit, MI, USA

11:30 LONG-TERM EVALUATION OF BIOTRONIK Linox and LinoxSmart ICD EADS
E.D. Good, I. Cakulev, M. Orlov, D. Hirsh, H. Bloom, J. Simeles, K. Mohr
University of Michigan, Ann Arbor, MI, USA

11:45 POTENTIAL OF AMINOGYCOSIDE ANTIBIOTIC GENTAMICIN TO CORRECT FUNCTIONAL EXPRESSION OF TRUNCATED HERG CHANNELS LINKED TO LONG QT SYNDROME, SYNCOPE AND UNEXPECTED SUDDEN DEATH
G.L. Li, W.Q. Han, J.E. Wu, A.F. Zhang, X. He, Y. Lv, G. Cheng, R Shi, C.F. Sun
The First Affiliated Hospital of Xi’an Jiaotong University College of Medicine, Xi’an, Shaanxi, China

12:00 SURVEY OF DISPATCHER-ASSISTED CARDIOPULMONARY RESUSCITATION AFTER IMPLEMENTATION OF CONTINUOUS QUALITY IMPROVEMENT PROJECT IN ISHIKAWA PREFECTURE
H. Inaba, Y. Tanaka, T. Kamikura, Y. Wato, T. Nishi, A. Funada
Kanazawa University Graduate School of Medicine, Kanazawa, Ishikawa, Japan

12:15 IDEAL TARGET TEMPERATURE DURING THERAPEUTIC HYPOTHERMIA AFTER OUT-HOSPITAL CARDIAC ARREST
Internal Medicine, Cleveland Clinic, Ohio, USA

12:30 IMPACT OF CONDUCTION VELOCITY ON LOCAL CAPTURE OF ATRIAL FIBRILLATION INDUCED BY RAPID PACING
N. Virag, A. Luca, T. Kallmyer, A. Rusu, J-M. Vesin
Medtronic Europe, Tolenchenaz, Switzerland

12:45 LATE RE-CONDUCTION SITES IN THE SECOND SESSION AFTER PULMONARY VEIN ISOLATION USING ADENOSINE-PROVOCATION FOR ATRIAL FIBRILLATION
K. Kaitani, A. Kobori, T. Kurotobi, K. Okajima, T. Yao, Y. Nakazawa
Tenri Hospital, Tenri, Nara, Japan

13:00 DOES THE DEVELOPMENT OF DEPENDENCY ON PACING IN PATIENTS WITH IMPLANTED PACEMAKERS IMPACT ON SURVIVAL
L. Ragupathi, P.U. Thanawala, J.A. Sendecki, R. Ho, D. Frisch, A. Greenspon, B.B. Pavri
Thomas Jefferson University Hospital, Philadelphia, PA, USA

13:15 LUNCH BREAK, VISIT POSTERS AND EXHIBITION
P301 NOVEL DIAGNOSTIC METHODS AND IMAGING TECHNIQUES

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**P301 COMPARISON OF LEFT VENTRICULAR EJECTION FRACTION VALUES OBTAINED USING INVASIVE CONTRAST LEFT VENTRICULOGRAPHY, GSPECT AND TWO-DIMENSIONAL ECHOCARDIOGRAPHY**

University of Missouri School of Medicine, Columbia, MO, USA

**P301 INFLUENCE OF ESTROGEN AND PROGESTIN THERAPY ON PROGRESSION OF PERICARDIAL ADIPOSE TISSUE IN POSTMENOPAUSAL WOMEN**

F. von Ziegler, M. Greif, J. Schenzle, H.C. Becker, A. Becker
Ludwig-Maximilians-University of Munich, Munich, Germany

**P301 IMPACT OF HYPERLIPIDEMIA ON SUBCLINICAL ATHEROSCLEROSIS IN ASYMPOMATIC INDIVIDUALS**

Daejeon St. Mary’s Hospital, the Catholic University of Korea, Daejeon, Korea

**P301 ASSOCIATION OF GENDER AND BODY MASS INDEX WITH SUBCLAVIAN INNOMINATE ARTERY TORTUOSITY IN PATIENTS UNDERGOING RIGHT TRANS RADIAL CARDIAC CATHERIZATION**

P.L. Nalabothu, N. Nannapaneni, G. Sireesha, S.A. Gilani, W. Khalife, A. Molham
University of Texas Medical Branch, Galveston, TX, USA

**P301 THE USEFULNESS OF THE TDI TEI INDEX IN LEFT VENTRICULAR FUNCTIONAL ASSESSMENT OF CHRONIC HEMODIALYSIS PATIENTS. COMPARATIVE STUDY BEFORE AND AFTER DIALYSIS**

I.E Lagos, G.D. Spyromitros, General Hospital Katerini, Katerini, Greece

P302 ACUTE MYOCARDIAL INFARCTION / REPERFUSION THERAPY

**P302 IMPACT OF FACTORS ASSOCIATED WITH ARTERIAL AND/OR VENOUS THROMBOSIS ON ACETYLSALICYLIC ACID AND CLOPIDOGREL RESPONSE VARIABILITY IN PATIENTS PRESENTING WITH ACUTE CORONARY SYNDROME**

Aksaz Military Hospital, Department of Cardiology, Mugla, Turkey

**P302 PLASMA PHENYLALANINE / TYROSINE RATIO AS PREDICTOR OF QUERCETIN EFFECT ON LEFT VENTRICULAR REMODELING AFTER STEMI**

O.B. Iaremenko, N.K. Iordanova, P.F. Dudka, T.M. Kuchmerovskaya
Bogomolets National Medical University, Kyiv, Ukraine

**P302 OUTCOMES OF BIVALIRUDIN VERSUS HEPARIN ALONE IN PERCUTANEOUS CORONARY INTERVENTION**

H.I. Chaudry, B.W. Andrus, D. Bhatt, J.T. DeVries
Dartmouth Hitchcock Medical Center, Lebanon, NH, USA
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<td>J.M. Telayna, J.M.H. Telayna, R.A. Costantini</td>
<td>Hospital Universitario Austral, Pilar, Argentina</td>
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<td>R. Makam, J. Gore, D. McManus, J. Yarzebski, R. Goldberg</td>
<td>University of Massachusetts Medical School, USA</td>
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<td>IMPACT OF DIABETES MELLITUS ON ACUTE HEART FAILURE</td>
<td>H.Y. Lee</td>
<td>Seoul National University Hospital, Seoul, South Korea</td>
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<td>OBESITY AND LIPID INDEXES IN PATIENTS SUFFERING A FIRST ACUTE CORONARY SYNDROME</td>
<td>A.L. Arrebola-Moreno, J.P. Arrebola, D. Petrova, R. Garcia-Retamero, A. Catena, J.A. Ramirez-Hernandez</td>
<td>Virgen de las Nieves University Hospital, Granada, Spain</td>
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<td>V.K. Spiridonov, Z.S. Tolochko, T.A. Korolenko</td>
<td>Institute of Physiology and Fundamental Medicine, Novosibirsk, Russia</td>
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<td>Universidad Pontificia Bolivariana, Sede Central Medellín, Colombia</td>
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<td>RELATIONSHIP BETWEEN ADMISSION FREE TESTOSTERONE LEVEL AND INSULIN-RESISTANCE IN ACUTE MYOCARDIAL INFARCTION</td>
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<td>Nagasaki Harbor Medical Center City Hospital, Nagasaki, Japan</td>
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<td>C.H. He, Y. Chen, Y.T. Ma, Y.N. Yang, X. Ma, X.M. Li, Z.Y. Fu, X. Xie, Z.X. Yu, F. Liu</td>
<td>The First Affiliated Hospital of Xinjiang Medical University, Urumqi, Xinjiang, China</td>
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<td>P304</td>
<td>LEFT VENTRICULAR HYPERTROPHY / HYPERTROPHIC CARDIOMYOPATHY / DIASTOLIC DYSFUNCTION</td>
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<td>YAMAGUCHI SYNDROME: A POTENTIALLY UNDER-RECOGNIZED ENTITY?</td>
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<td>TRANSTHYRETIN AMYLOID CARDIOMYOPATHY TREATMENT WITH AN ANTISENSE OLIGONUCLEOTIDE</td>
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<td>P305</td>
<td>CARDIOMYOPATHIES: PATHOGENESIS AND TREATMENT</td>
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<td>GENETICS AND GENOTYPE-PHENOTYPE CORRELATIONS IN FINNISH PATIENTS WITH DILATED</td>
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<td>THE CARDIOPROTECTIVE EFFECTS OF GRANULOCYTE-COLONY STIMULATING FACTOR (GCSF)</td>
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<td>California Pacific Medical Center, San Francisco, CA, USA</td>
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<td>HOSPITAL ADMISSIONS IN A HIGH RISK HEART FAILURE POPULATION MANAGED WITH A TEAM</td>
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<td>ECHOCARDIOGRAPHIC PROFILE AND IMMUNOLOGIC FUNCTION IN HIV-INFECTED PATIENTS</td>
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<td>PHARMACIST INVOLVEMENT TO IMPROVE CARE OF HEART FAILURE PATIENTS AS THEY TRANSI</td>
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<td>M.I. Achi, Houston Methodist Houston, Houston, TX, USA</td>
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<td>ANDROGENIC ANABOLIC STEROIDS INDUCED DILATED CARDIOMYOPATHY PRESENTED WITH ISCH</td>
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**P305  CARDIOMYOPATHIES: PATHOGENESIS AND TREATMENT (cont.)**

Structured Eating Plan in Patients with Heart Failure  
S. M. Kim, H. Silvet, Loma Linda VA Healthcare System, Loma Linda, CA, USA

The Role of Epidemiological Coronary Artery Disease Risk Factors in Tako-Tsubo Cardiomyopathy  
S. Banga, A. Aggarwal, N. Wiegley, C. Shaw, T. Lynch, S. Mungee  
University of Illinois College of Medicine at Peoria, IL, USA

**P306  NEW INSIGHTS INTO PATHOGENESIS AND MANAGEMENT OF HEART FAILURE**

Impact of the Beta-1 Adrenergic Receptor Polymorphism on Tolerability and Efficacy of Bisoprolol Therapy in Heart Failure Patients  
H. Y. Lee, Seoul National University Hospital, South Korea

A Rare Case of Cardiac Tamponade Induced by Chronic Rheumatoid Arthritis  
T. Yousuf, J. Kramer, S. Sanyal, J. Ziffra  
Advocate Christ Medical Center, Chicago, IL, USA
SUNDAY, JULY 26, 2015

14:00 – 16:15 Hall A

PL10 Plenary Session
LIPIDS, STATINS AND CVD

Chairs: M. Banach, Lodz, Poland
S.L. Kopecky, Rochester, MN, USA

14:00 STATIN INTOLERANCE - MECHANISMS, RISK FACTORS, DEFINITION AND MANAGEMENT (Invited Lecture)
M. Banach
Department of Hypertension, Medical University of Lodz, Poland

14:15 GENETICS OF TRIGLYCERIDE-RICH LIPOPROTEINS AND Atherosclerotic Cardiovascular Disease (Invited Lecture)
R.S. Rosenson
Icahn School of Medicine at Mount Sinai, New York, NY, USA

14:30 USE OF PCSK9 INHIBITORS IN STATIN INTOLERANT PATIENTS: ROLE FOR THE FUTURE? (Invited Lecture)
S.L. Kopecky
Division of Cardiovascular Diseases, Mayo Clinic, Rochester, MN, USA

14:45 A LARGE PRAGMATIC TRIAL OF STATINS IN PRIMARY PREVENTION: THE NEXT FRONTIER (Invited Lecture)
M.E. Farkouh, M. Domanski
Peter Munk Cardiac Centre, University of Toronto, Toronto, Canada

15:00 NOVEL BIOMARKERS OF LIPOID AND LIPOPROTEIN METABOLISM (Invited Lecture)
S. Mora
Brigham and Women's Hospital, Boston, MA, USA

15:15 THE ROLE OF STATINS IN PREVENTION OF CONTRAST-INDUCED ACUTE KIDNEY INJURY (Invited Lecture)
M.A. Alpert
University of Missouri-Columbia School of Medicine, Columbia, MO, USA

15:30 STATIN USE AND LIPID CONTROL BY ACC/AHA STATIN ELIGIBILITY GROUP IN UNITED STATES ADULTS 2011-2012
N.D. Wong, D. Young, Y. Zhao, H. Nguyen, J. Caballes, I. Khan, R.J. Sanchez
Division of Cardiology, University of California, Irvine, CA, USA

15:45 SUCCESSFUL ROLE OF CASCADE SCREENING IN FAMILIAL HYPERCHOLESTEROLEMIA IN INDIAN POPULATION
N. Setia, J.P.S. Sawhney, R. Saxena, I.C. Verma
Sir Ganga Ram Hospital, New Delhi, Delhi, India

16:00 PSYCHOMETRIC EVALUATION OF A TREATMENT ACCEPTANCE MEASURE IN PATIENTS RECEIVING SUBCUTANEOUS INJECTION TREATMENT
R.J. Sanchez, L. Grant, S. Tadlock, R. Arbuckle, I. Khan, G. Manvelian, J.A. Spertus
Regeneron Pharmaceuticals, Tarrytown, NY, USA

16:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION
**SUNDAY, JULY 26, 2015**

**14:00 – 15:30**

**Hall B**

**S30 Session**

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

Chairs:  
- J. Shirani, Bethlehem, PA, USA  
- T. Tomaru, Toho, Japan

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| 14:00 | EFFICACY OF SPECT/CT MPI VERSUS ADDITIONAL PRONE SPECT MPI FOR ATTENUATION CORRECTION OF INFERIOR WALL DEFECTS | W. Park, P. Sarda, **K.L. Tsai**, K. Nallu, I. Seo, C. Nedelcu  
The Brooklyn Hospital Center, Brooklyn, NY, USA |
Hospital Santa Maria, Serv Cardiologia I, Lisbon Academic Medical Centre, CCUL, Lisbon, Portugal |
| 14:30 | RELATIONSHIP OF DIASTOLIC FUNCTION AND MAXIMAL EXERCISE CAPACITY AMONG PATIENTS WITH LOW RISK FOR CORONARY ARTERY DISEASE: A RETROSPECTIVE CROSS-SECTIONAL STUDY | **M.T. Bayuga**, R.E. Ramboyong  
The Medical City, Pasig City, Philippines |
| 14:45 | CORRELATION BETWEEN USCOM-DERIVED HAEMODYNAMIC VARIABLES AND SEVERITY OF CHRONIC HEART FAILURE | **M.M. Lee**, N.M. Cheng, T.H. Rainer, L.T. So, J.R. Mo  
University of British Columbia, Vancouver, Canada |
| 15:00 | THE ASSESSMENT OF CORONARY ARTERY CALCIFICATION IN HIGH-RISK CORONARY ARTERY DISEASE POPULATIONS | **M. Yacoub**, A. Makaryus, J. Makaryus, **D. Fridman**  
Inspira Health Center, Vineland, NJ, USA |
| 15:15 | OPTICAL COHERENCE TOMOGRAPHY IN ACUTE CORONARY SYNDROME | **O.S. Sandhu**, B.K. Joshi  
University of San Francisco Fresno, Fresno, CA, USA |
| 15:30 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION |
### SUNDAY, JULY 26, 2015

**14:00 – 16:00**  
Hall C

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<td><strong>CELLULAR AND MOLECULAR MECHANISMS OF CARDIOVASCULAR DISEASE, BASIC RESEARCH</strong></td>
<td><strong>DUAL HCM AND LQT1 PHENOTYPES ASSOCIATED WITH TETRAD HETEROZYGOUS MUTATIONS IN MYH7, MYLK2, KCNQ1 AND TMEM70 GENES IN A THREE-GENERATION CHINESE FAMILY</strong>&lt;br&gt;L.F. Wang, Q. Yang, L. Zu, J. Hu, H. Shao, C.H. Lei, W. Qi, C.L.H. Huang, X.D. Zhou, Y.M Zhang, L.W Liu&lt;br&gt;Xijing Hospital, Fourth Military Medical University, Xi’an, China</td>
<td><strong>GENETIC VARIABILITY IN PAR-1 DOES NOT AFFECT RISK OF BLEEDING OR ISCHEMIA AFTER PERCUTANEOUS CORONARY INTERVENTION</strong>&lt;br&gt;E.A. Friedman, L.C. Texeira, J.T. Delaney, P. Weeke, E.S. Kasasbeh, D.R. Lynch, H.E. Hamm, D.M. Roden, J.C. Denny, J.C. Cleator&lt;br&gt;Vanderbilt University, Nashville, TN, USA</td>
<td><strong>GENETICS AND HYPERTENSIVE HEART DISEASE. STUDY ON THE RELATIONSHIP BETWEEN 5HT2A AND HYPERTENSIVE HEART DISEASE</strong>&lt;br&gt;T.G. Onojighofia, N. Anand, B. Akindele, D. Schwarz, S. Kantorovich, B. Meshkin, M. Hafez, M. Hopkins&lt;br&gt;Proove Biosciences, Irvine, CA, USA</td>
<td><strong>EFFECT OF GENE DELIVERY PLASMID ENCODING INTERLEUKIN-19 ON RAT EXPERIMENTAL AUTOIMMUNE MYOCARDITIS</strong>&lt;br&gt;H. Chang, Y. Wang, G. Li, J. Zou&lt;br&gt;Xiamen University Medical College, Xiamen, China</td>
<td><strong>VAGAL ACTIVATION BENEFITS FOR CELLULAR CALCIUM HOMEOSTASIS IN CARDIOVASCULAR DISEASE</strong>&lt;br&gt;M. Zhao, X. He, X.Z. Lu, X.Y. Bi, X.J. Yu, Y. Yang, W-J. Zang&lt;br&gt;Xi’an Jiaotong University Health Science Center, Xi’an, Shaanxi, P.R. China</td>
<td><strong>GLUCOSE TOLERANCE AND NON-FASTING GLUCOSE ARE BETTER PREDICTORS OF ATHEROSCLEROSIS THAN INSULIN RESISTANCE OR FASTING GLUCOSE IN APOE-/- STAINS</strong>&lt;br&gt;W. Shi, S. Liu, J. Li, Z. Liu, University of Virginia, Charlottesville, Virginia, USA</td>
<td><strong>THE INFILTRATING MACROPHAGE-SECRETED GALECTIN-3 PLAYS ESSENTIAL ROLE IN PRESSURE OVERLOAD-INDUCED CARDIAC FIBROSIS VIA CTGF EXPRESSION</strong>&lt;br&gt;J-J Chen, W-R Hao, K-C Chang, J-C Liu&lt;br&gt;China Medical University, Taichung, Taiwan</td>
<td><strong>IDENTIFICATION OF ASPIRIN RESPONSE RELATED GENE PROFILES IN CAD PATIENTS OLDER THAN 50 YEARS</strong>&lt;br&gt;J.W. Zhang, T.F. Liu, X.H. Chen, X.R. Feng, L. Wang, W.Y. Liang, S. Fu, T. McCaffrey, M.L. Liu, Peking University First Hospital, Beijing, China</td>
<td><strong>COFFEE BREAK, VISIT POSTERS AND EXHIBITION</strong></td>
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SUNDAY, JULY 26, 2015
16:45 – 19:15 Hall A

PL11 Plenary Session
SYSTEMIC AND PULMONARY HYPERTENSION – RISK AND MANAGEMENT

Chairs: A.H.J. Danser, Rotterdam, The Netherlands
R.C. Hermida, Vigo, Spain

16:45 DUAL AT1 RECEPTOR/NEPRILYSIN INHIBITION (ARNI) VS. AT1 RECEPTOR BLOCKADE IN DIABETIC TGR(MREN2)27 RATS (Invited Lecture)
Erasmus MC, Rotterdam, The Netherlands

17:00 GI PROTEIN AS POTENTIAL TARGET FOR THE TREATMENT OF HYPERTENSION (Invited Lecture)
M.B. Anand-Srivastava
Faculty of Medicine, University of Montreal, Montreal, QC, Canada

17:15 NEW OUTCOME-BASED RECOMMENDATIONS FOR IMPROVING HYPERTENSION DIAGNOSIS AND TREATMENT TO REDUCE RISK OF VASCULAR EVENTS (Invited Lecture)
R.C. Hermida, D.E. Ayala, University of Vigo, Vigo, Spain

17:30 ADVANCES IN THE THERAPY OF PULMONARY ARTERIAL HYPERTENSION
R.C. Bourge, The University of Alabama at Birmingham, AL, USA

17:45 RESISTANT HYPERTENSION: DIAGNOSTIC AND TREATMENT ISSUES (Invited Lecture)
D.E. Ayala, R.C. Hermida, University of Vigo, Vigo, Spain

18:00 MYOCARDIAL INTERSTITIAL DISARRAY AND CARDIOVASCULAR APOPTOSIS AND REMODELING IN PULMONARY HYPERTENSION DYSNEA, COMPLICATED WITH LATE INFECTION (Invited Lecture)
I. Angomachalelis, G. Kyriazis, D. Vassilakos, N. Angomachalelis
Aristotle University of Thessaloniki: Heart-Lung Section, “G. Papanikolaou” General Hospital and AHEPA University Hospital, Thessaloniki, Macedonia, Greece

18:15 PROGNOSTIC STRATIFICATION IN PULMONARY HYPERTENSION: A MULTI-BIOMARKER APPROACH
R. Placido, N. Cortez-Dias, S.R. Martins, E. Gayat, S. Goncalves, E. Infante Oliveira,
M. Sadoune, A.G. Almeida, A. Mebazaa, F. Pinto
Hospital Santa Maria, Serv Cardiologia I, Lisbon Academic Medical Centre, CCUL, Lisbon, Portugal

18:30 MORTALITY IS HIGHER BUT NOT DIFFERENT AMONG RESISTANT HYPERTENSION PATIENT COHORTS DEFINED BY DIFFERENT CRITERIA
Division of Cardiology, Mayo Clinic Jacksonville FL, USA

18:45 LEFT ATRIAL ENLARGEMENT AS A PREDICTOR OF PULMONARY HYPERTENSION IN PATIENTS WITH DIASTOLIC DYSFUNCTION
P. Rodriguez-Lozano, S. Raslan, A. Melhem, M. Shieh, A. Khan, P. Nalabothu,
M. Morsy, W.I. Khalife, K. Sadat
UTMB, Galveston, TX, USA
PL11  Plenary Session
SYSTEMIC AND PULMONARY HYPERTENSION – RISK AND MANAGEMENT (cont.)

19:00  PREVALENCE OF HYPERTENSION AND DIFFERENCE OF BLOOD PRESSURE CONTROL BETWEEN METABOLICALLY OBESE NORMAL BODY WEIGHT (MONW) AND METABOLICALLY HEALTHY OBESE BODY WEIGHT (MHO) IN HIV POPULATION

H.S. Lee, A. Sy, A. Savadkar, T. Lenox, K. Kadeishvili
New York Medical College, New York, NY, USA
SUNDAY, JULY 26, 2015

16:45 – 18:45 Hall B

S32 Session
ACUTE CORONARY SYNDROME: DETECTION, PREVENTION AND TREATMENT

Chairs: G.W. Barsness, Rochester, MN, USA
       U. Thadani, Oklahoma City, OK, USA

16:45 LONG-TERM EFFECTS OF ISCHEMIC POSTCONDITIONING ON CLINICAL OUTCOMES
J.Y. Hahn, C.W. Yu, H.S. Park, Y.B. Song, J.H. Oh, W.J. Chun
Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, South Korea

17:00 ELECTROCARDIOGRAPHIC LEFT ATRIAL ENLARGEMENT AS AN INDEPENDENT PREDICTOR FOR IN-HOSPITAL HEART FAILURE IN PATIENTS WITH NON-ST ELEVATION MYOCARDIAL INFARCTION
A. Kobayashi, N. Misumida, Y. Kanei, J. Fox
Mount Sinai Beth Israel Medical Center, New York, NY, USA

17:15 COMPLETE REVASCULARIZATION IN ACUTE MYOCARDIAL INFARCTION IS SAFE AND WITHOUT MORE REINTERVENTIONS: STRATEGY DEFERRED VS. INDEX PROCEDURE
J.M. Telayna, J.M.H. Telayna, R.A. Costantini
Hospital Universitario Austral, Pilar, Argentina

17:30 FIXED DOSING OF UNFRACTIONATED HEPARIN IN ST-ELEVATION MYOCARDIAL INFARCTION TO IMPROVE DOOR-TO-PCI TIME
K. Narala, S. Banga, A. Aggarwal, H. Ghadiam, J. Heslop, S. Mungee
University of Illinois College of Medicine at Peoria, Illinois, USA

17:45 EARLY VERSUS DELAYED INVASIVE STRATEGY FOR NON-ST SEGMENT ELEVATION ACUTE CORONARY SYNDROME: A META-ANALYSIS OF RANDOMIZED CONTROLLED CLINICAL TRIALS
K.A. Shaikh, M. Gedela, A. Sty, N. Rajpurohit
University of South Dakota, Sanford Heart Hospital, Sioux Falls, South Dakota, USA

18:00 IMPROVING SURVIVAL AFTER TREATMENT FOR ST-ELEVATION MYOCARDIAL INFARCTION - A 16 YEAR JOURNEY FROM 1997 TO 2013
Department of Cardiology, Christchurch Hospital, Christchurch, New Zealand

18:15 CONTEMPORARY TROPOIN USE IN A LARGE US HOSPITAL SYSTEM
K. Barkley, B. Pope, R. Kowal, J.B. Michel
Baylor Scott and White, Temple, Texas, USA

18:30 DOES THROMBUS ASPIRATION IMPROVE CLINICAL OUTCOMES IN ST ELEVATION MYOCARDIAL INFARCTION?
H.K. Abbas, N. Sareen, M. Degregorio, K. Patel
St. Joseph Mercy Oakland Hospital, Pontiac, Michigan, USA
SUNDAY, JULY 26, 2015

16:45 – 19:30 Hall C

S33 Session
MOLECULAR AND CELLULAR CARDIOLOGY / VASCULAR BIOLOGY, BASIC RESEARCH

Chairs: T. Malinski, Athens, OH, USA
G-P. Shi, Boston, MA, USA

Abstract No.

16:45 IN VIVO PROTEASE-ACTIVATED RECEPTOR -1 MEDIATED CORONARY VASOREACTIVITY CORRELATES WITH PAR-1 EXPRESSION DISTRIBUTION IN THE CORONARY VASCULAR WALL
Vanderbilt University Medical Center, Nashville, TN, USA

17:00 EXTRACELLULAR HSP27 AND TLR4 ATTENUATE FUNCTIONAL RECOVERY IN AGING MOUSE HEARTS FOLLOWING ISCHEMIA
L. Ao, Y. Zhai, J.C. Cleveland, D.A. Fullerton, X. Meng
University of Colorado Denver, Aurora, CO, USA

17:15 VASONATRINPEPTIDE ATTENUATES MYOCARDIAL ISCHEMIA/REPERFUSION INJURY IN DIABETIC RATS AND UNDERLYING MECHANISMS
Experiment Teaching Center, Fourth Military Medical University, Xi’an, China

17:30 CTRP1 OVEREXPRESSION INDUCES HYPERTENSION THROUGH SMOOTH MUSCLE CONTRACTION
S. Han, Y. Yang
Sookmyung Women’s University, Seoul, South Korea

17:45 ACETYLCHELONE REDUCES INFLAMMATORY AND ISCHEMIC INJURY BY INHIBITING ENDOPLASMIC RETICULUM STRESS
X.Y. Bi, Y. Miao, M. Zhao, X.J. Yu, X. He, M. Xu, W-J. Zang
Xi’an Jiaotong University Health Science Center, Xi’an, Shannxi, PR China

18:00 ROLE OF AMP-ACTIVATED PROTEIN KINASE (AMPK) IN VASCULAR ENDOTHELIAL PROTECTION
A. Shamsi, J. Mason
NHLI Cardiovascular Research, Hammersmith Hospital, London, United Kingdom

18:15 THE PROTECTIVE EFFECTS OF CATECHIN ON PALMITIC ACID -INDUCED CYTOTOXICITY IN MOUSE BRAIN ENDOTHELIAL CELL
China Medical University & Hospital, Taichung, Taiwan

18:30 INTERFERON GAMMA SIGNALLING INATHEROSCLEROSIS:
PRO-ATHEROGENIC ACTIONS AND THERAPEUTIC APPROACHES
T.S. Davies, H. Gallagher, F. Jaafar, J.W. Moss, T.R. Hughes, D.P. Ramji
School of Biosciences, Cardiff University, Cardiff, UK
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<td>MICRONRNA-15/16 PROMOTES SMOOTH MUSCLE CONTRACTILE PHENOTYPE AND ATTENUATES VASCULAR NEOINTIMA FORMATION BY TARGETING YES-ASSOCIATED PROTEIN YAP</td>
<td>F. Xu, A. Ahmed, X. Kang, G. Hu, W. Zhang, J. Zhou</td>
<td>Medical College of Georgia, Georgia Regents University, Augusta, GA, USA</td>
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<td>19:00</td>
<td>IS THERE RELATIONSHIP BETWEEN ADVANCED GLYcation END-PRODUCTS AND SOLUBLE RECEPTORS OF ADVANCED GLYcation END-PRODUCTS WITH THE ETiology AND SEVERITY OF CONGESTIVE HEART FAILURE?</td>
<td>A.F. Zand Parsa, S. Nejati, A. Esteghamati</td>
<td>Tehran University of Medical Sciences, Tehran, Iran</td>
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<td>THE ROLE OF SIRT6 IN ENDOTHELIAL CELL SENESCENCE AND CYTOPROTECTION</td>
<td>J.D. Erusalimsky, A.K. Uryga</td>
<td>Cardiff Metropolitan University, Cardiff, UK</td>
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13:30 – 18:30 Poster Hall

P401 SYNCOPE AND SUDDEN DEATH: RISK ASSESSMENT AND MANAGEMENT

Board No. Abstract No.

1 INCIDENCE AND ELECTROGRAM CHARACTERISTICS OF NON-SUSTAINED VENTRICULAR FIBRILLATION IN PATIENTS WITH PRIMARY ELECTRICAL DISORDERS (Invited Presentation)
Asan Medical Center, Ulsan University, Seoul, Korea 285

2 EARLY EMERGENCY CALLS BEFORE PATIENT COLLAPSE AND SURVIVAL FROM OUT-OF-HOSPITAL CARDIAC ARREST
H. Inaba, Y. Takei, T. Nishi, T. Kamikura, H. Iwasaki, A. Funada
Kanazawa University Graduate School of Medicine, Kanazawa, Ishikawa, Japan 286

3 COMPONENT ANALYSIS FOR EFFECTIVENESS OF VENTILATIONS AND COMPRESSIONS IN BYSTANDER CARDIOPULMONARY RESUSCITATION
H. Inaba, T. Kamikura, H. Iwasaki, Y. Takei, T. Maeda
Kanazawa University Graduate School of Medicine, Kanazawa, Ishikawa, Japan 287

4 EARLY HEMODYNAMIC CHANGES OF TILT TABLE TESTING PREDICTS NEUROCARDIOGENIC RESPONSE IN AFRICAN AMERICAN POPULATION
D. Ho, M. Ghods, S. Kumar, N. Warrier, H. Ilias Basha, J. Kassotis
SUNY Downstate, New York, NY, USA 288

5 QUANTITATIVE SUDOMOTOR AXON REFLEX TEST (QSART) STUDY IN POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS)
C. Ashangari, A. Suleman
The Heartbeat Clinic -Department of Cardiology, Mckinney, TX, USA 289

6 WHAT’S COMMON IS COMMON!
P.A. Patel, B. Gersh
Mayo Clinic, Rochester, MN, USA 290

7 CURIOSYNCOPY
V.O. Obi, N. Isber, D.A. Bloomfield
Richmond University Medical Center Staten Island, New York USA 291
### P402  ARRHYTHMIAS: DIAGNOSIS AND TREATMENT – BASIC AND CLINICAL

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<td>PRO-ARRHYTHMIC EFFECTS OF CALMODULIN KINASE II (CAMKII) IN TIMOTHY SYNDROME ARISING FROM A NEW CACNA1C MUTATION</td>
<td>J.Y Bai, K.Q. Wang, H.G. Zhang</td>
<td>Harbin Institute Technology, Harbin, Heilongjiang, China</td>
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<td>GASTROINTESTINAL DISTURBANCES IN POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS)</td>
<td>C. Ashangari, A. Suleman</td>
<td>The Heartbeat Clinic -Department of Cardiology, Dallas, TX, USA</td>
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<td>VITAMIN B12 DEFICIENCY IN POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS)</td>
<td>C. Ashangari, A. Suleman</td>
<td>The Heartbeat Clinic -Department of Cardiology, Mckinney, TX, USA</td>
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<td>AN UNUSUAL TYPE OF SHORT V-V TACHYCARDIA</td>
<td>A. Almomani, A. Abualsuad, H. Paydak, W. Maskoun</td>
<td>University of Arkansas for Medical Sciences and Central Arkansas Veterans Healthcare System, Little Rock, AR, USA</td>
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<td>EFFECTS OF ANESTHESIA ON INDUCIBILITY DURING PEDIATRIC ELECTROPHYSIOLOGY STUDIES</td>
<td>M. Gupta, A. Lawerence, C. Snyder</td>
<td>Rainbow Babies and Children’s, Case Western Reserve University School of Medicine, Cleveland, OH, USA</td>
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<td>RELATIONSHIP OF BODY MASS INDEX (BMI) AND POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS)</td>
<td>C. Ashangari, A. Suleman</td>
<td>The Heartbeat Clinic -Department of Cardiology, Mckinney, TX, USA</td>
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<td>RECURRENT VENTRICULAR TACHYCARDIA IN A METHADONE DEPENDENT PATIENT WITH NON-COMPACTION CARDIOMYOPATHY</td>
<td>Y.E. Alansari, R.C. Hendel</td>
<td>University of Miami Miller School of Medicine, Miami, FL, USA</td>
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<td>WIDE COMPLEX TACHYCARDIA IN A YOUNG PATIENT</td>
<td>A. Abualsuad, A.A. Almomani, H. Paydak, D. Abhishek, W. Maskoun</td>
<td>University of Arkansas for Medical Sciences, Little Rock, AR, USA</td>
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**SUNDAY, JULY 26, 2015**

**13:30 – 18:30  Poster Hall**

### P403  PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY / CONGENITAL HEART DISEASE

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A RARE CASE OF PLATYPNEA-ORTHODEOXIA IN A PATIENT WITH PFO  
KMC Manipal, Manipal University, India

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CHYLIOUS TAMPOANADE DUE TO CATHETER INDUCED SUPERIOR VENA CAVA OBSTRUCTION IN A PREMATURE INFANT  
University of Texas Medical Branch, Galveston, TX, USA

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HYPERALDOSTERONISM COMPLICATING CONGESTIVE HEART FAILURE DUE TO A LEFT TO RIGHT SHUNT IN A PREMATURE INFANT  
**S. Dasgupta**, A.M. Aly, S.K. Jain  
University of Texas Medical Branch, Galveston, TX, USA

### P404  HEART VALVE DISEASE – CAUSES, SYMPTOMS, DIAGNOSIS AND TREATMENT

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WATCHFUL OBSERVATION VERSUS EARLY AORTIC VALVE REPLACEMENT FOR SYMPTOMATIC LOW-GRADIENT SEVERE AORTIC STENOSIS  
Asan Medical Center, Seoul, South Korea

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USE OF CONDUITS IN PATIENTS WITH PROHIBITIVE ILIO-FEMORAL ARTERY ANATOMY FOR TRANSCATHETER AORTIC VALVE REPLACEMENT  
**V.A. Doraiswamy**, M. Trinidad, K. Subramanian, M. Szerlip, A. Abidov, K. Lotun  
University of Arizona, Tucson, AZ, USA

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LEFT ATRIAL APPENDAGE VELOCITY IMPROVEMENT POST TRANSCATHETER AORTIC VALVE REPLACEMENT RESULTS IN BETTER OUTCOMES  
**T. Ando**, D. Slovut, C. Taub  
Mount Sinai Beth Israel, New York, NY, USA

Ballooon Mitral Valvuloplasty in Mirror Image Dextrocardia with Rheumatic Mitral Stenosis  
**P.K. Grant**, C.N. Makhale, V.V. Nivargi, J.B. Bhalke, S.J. Subhedar, S.N. Deore  
Ruby Hall Clinic -Grant Medical Foundation, Pune, India
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<td>SEVERE BICUSPID AORTIC VALVE (BAV) REGURGITATION IN A DYSFUNCTIONAL AND DILATED NON-COMPACTED LEFT VENTRICLE: A.L. Schenone, A.H. Cohen, D. Majadalany</td>
<td>Cleveland Clinic Medicine Institute, Cleveland, OH, USA</td>
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<td>HEPARIN VERSUS BIVALIRUDIN IN TRANSCATHETER AORTIC VALVE IMPLANTATION M. Greif, P. Lange, S. Sadoni, D. Jochheim, J. Mehilli, S. Massberg, C. Kupatt</td>
<td>University of Munich Department of Cardiology, Munich, Germany</td>
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<td>ECHOCARDIOGRAPHIC EVALUATION OF LEFT VENTRICULAR DIASTOLIC FUNCTION AFTER CLOSED MITRAL VALVOTOMY D. Kaushal, S.K. Singh, R. Kumar, V. Devenraj</td>
<td>King George’s Medical University, Lucknow, Uttar Pradesh, India</td>
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<td>ROLE OF UNUSUAL PREDICTORS OF PERIVALVULAR AORTIC REGURGITATION POST TRANS-CATHETER AORTIC VALVE REPLACEMENT S. Banga, A. Aggarwal, K. Narala, M. Barzallo, S. Mungee</td>
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<td>OUTCOMES OF PATIENTS UNDERGOING CONCOMITANT AORTIC AND MITRAL VALVE SURGERY IN THE PHILIPPINE HEART CENTER FROM YEAR 2000 - 2013 A.C.L. Jayme</td>
<td>Philippine Heart Center, QC, Philippines</td>
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**P405 ADVANCES IN CARDIAC SURGERY: SURGICAL REVASCULARIZATION, MECHANICAL CIRCULATORY SUPPORT / CARDIAC TRANSPLANTATION / CARDIAC MYXOMA**

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<tr>
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<td><strong>A. Singh, S. Kort</strong></td>
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<td>Suny-Stonybrook University Hospital, Stonybrook, New York, USA</td>
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<td><strong>T. Yousuf, H. Keshmiri, J. Kramer</strong></td>
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<td>Advocate Christ Medical Center, Chicago, IL, USA</td>
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<td>LEFT ATRIAL MYXOMA PRESENTING AS PAROXYSMAL ATRIAL FIBRILLATION</td>
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<td><strong>M.A. Zulqarnain, A. Ali, M. Ali, M.K. Syed, M.T. Mujtaba</strong></td>
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<td>Wake Forest Baptist Health, Winston Salem, North Carolina, USA</td>
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<td>PREGNANCY RELATED SPONTANEOUS CORONARY ARTERY DISSECTION: WHEN PCI WAS NOT ENOUGH</td>
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<td><strong>M.A. Zulqarnain, M.T. Mujtaba, M. Ali, M.K. Syed</strong></td>
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MONDAY, JULY 27, 2015

08:30 – 11:00 Hall A

**PL12 Plenary Session**
CARDIOVASCULAR DISEASE PREVENTION AND RISK FACTORS
_Joint Session with the American Society for Preventive Cardiology_

Chairs:  
E.L. Barrett-Connor, La Jolla, CA, USA  
N.D. Wong, Irvine, CA, USA

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<td>08:30</td>
<td>BODY MASS INDEX AND MORTALITY IN A VERY LARGE COHORT: IS IT REALLY HEALTHIER TO BE OVERWEIGHT? (Invited Lecture)</td>
<td>A.L. Klatsky, J. Zhang</td>
<td>Northern CA Kaiser Permanente Division of Research, Oakland, CA, USA</td>
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<td>08:45</td>
<td>MEDITERRANEAN DIET: FROM HISTORY TO CULTURE TO MEDICINE</td>
<td>D. Panagiotakos, School of Health Science, Harokopio University, Athens, Greece</td>
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<td>09:00</td>
<td>GENDER DIFFERENCES AND HEALTHY AGING (Invited Lecture)</td>
<td>E.L. Barrett-Connor, UC San Diego School of Medicine, La Jolla, CA, USA</td>
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<td>09:15</td>
<td>CARDIOVASCULAR RESPONSES TO THREATFUL CHALLENGES IN PERSONS WITH HIGH TRAIT ANXIETY (Invited Lecture)</td>
<td>D. Jezova, N. Hlavacova, R. Duncko, P. Solarikova, M. Marko, L. Brezina</td>
<td>Slovak Academy of Sciences, Bratislava, Slovakia</td>
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<td>09:30</td>
<td>ASSOCIATION OF MODIFIABLE LIFESTYLE FACTORS AND RISK OF TOTAL AND CARDIOVASCULAR MORTALITY AMONG OLDER US MALE PHYSICIANS (Invited Lecture)</td>
<td>I. Djoussé, Brigham and Women's Hospital, Boston, MA, USA</td>
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<td>09:45</td>
<td>ASSESSMENT OF CARDIOVASCULAR PROGNOSIS IN DIABETIC PATIENTS. THE ROLE OF CARDIAC IMAGING (Invited Lecture)</td>
<td>A. Elhendy, Marshfield Clinic, Marshfield, WI, USA</td>
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<td>10:00</td>
<td>TIME OF ONSET OF CARDIAC EVENTS: DOES GENDER MATTER? (Invited Lecture)</td>
<td>R. Manfredini, A. De Giorgi, F. Fabbian, F. Signani, M. Gallerani, R. Salmi</td>
<td>School of Medicine, University of Ferrara, Italy</td>
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<td>10:15</td>
<td>NEW INSIGHTS INTO SEX-BASED DIFFERENCES IN HEART DISEASE (Invited Lecture)</td>
<td>S. Malik, University of California, Irvine, USA</td>
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<td>10:30</td>
<td>CARDIAC DYSFUNCTION SUBSEQUENT TO EXPOSURE TO OZONE; AN AIR POLLUTANT (Invited Lecture)</td>
<td>R. Sethi, California Health Sciences University, Clovis, California, USA</td>
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<td>10:45</td>
<td>SCREENING FOR CVD IN DIABETES: EVIDENCE AND RECOMMENDATIONS (Invited Lecture)</td>
<td>N.D. Wong, University of CA, Irvine, USA</td>
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<td>11:00</td>
<td>COFFEE BREAK, VISIT POSTERS AND EXHIBITION</td>
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MONDAY, JULY 27, 2015

08:30 – 10:45

PL13 Plenary Session
FROM MECHANISMS TO FUTURE DIRECTIONS IN THE TREATMENT AND MANAGEMENT OF HEART FAILURE

Chairs: P.A. Heidenreich, Palo Alto, CA, USA
M.R. Johnson, Madison, WI, USA

08:30 ADJUDICATED VERSUS ADMINISTRATIVE HEART FAILURE WITH PRESERVED EJECTION FRACTION (Invited Lecture)
A.P. Kalogeropoulos, A. Patel, S. Li, L. Papadimitriou, G. Burkman, V.V. Georgiopoulou, J. Butler
Emory University, Atlanta, GA, USA

08:45 THE HEART FAILURE CLINIC: TAKING CENTER STAGE IN CHRONIC DISEASE MANAGEMENT (Invited Lecture)
M.A. Silver, University of Illinois, Chicago, IL USA

09:00 BEYOND THE GUIDELINES - NEW OPTIONS FOR TREATING HEART FAILURE IN 2015 (Invited Lecture)
M.R. Johnson, University of Wisconsin, Madison, Wisconsin, USA

09:15 LEFT VENTRICULAR VS. BIVENTRICULAR MECHANICAL SUPPORT FOR FAILING HEARTS: MAIN CHALLENGES BEFORE DECISION MAKING (Invited Lecture)
M. Dandel, Deutsches Herzzentrum, Berlin, Germany

09:30 INTERVENTIONS USING OF THE ELECTRONIC MEDICAL RECORD TO IMPROVE CARE OF PATIENTS WITH HEART DISEASE (Invited Lecture)
P.A. Heidenreich
VA Palo Alto HCS, Stanford University, Palo Alto, CA, USA

09:45 REDUCTION OF 30-DAY ALL-CAUSE READMISSION IN HEART FAILURE: CURRENT EVIDENCE AND FUTURE DIRECTIONS (Invited Lecture)
A. Ahmed
The Washington DC VA Medical Center. Washington, DC, USA

10:00 COENZYMES Q10 AS AN ADJUVANT THERAPY IN HEART FAILURE (HF) (Invited Lecture)
A. Kumar, V. Mohan, K. Harharpeet
Govt. Medical College/G.N.D. Hospital, Amritsar, India

10:15 ULTRAFILTRATION THERAPY FOR ACUTE HEART FAILURE; WHERE ARE WE STANDING IN 2015? (Invited Lecture)
A.K. Kazory, University of Florida, Gainesville, Florida, USA

10:30 COGNITIVE IMPAIRMENT IN CHRONIC HEART FAILURE (Invited Lecture)
K. Alagiakrishnan
University of Alberta, Edmonton, Alberta, Canada

10:45 COFFEE BREAK, VISIT POSTERS AND EXHIBITION
MONDAY, JULY 27, 2015

08:30 – 10:15

Hall C

S34 Session
VALVULAR HEART DISEASE MECHANISMS AND TREATMENT OPTIONS

Chairs: M-R. Movahed, Tucson, AZ, USA
N.M. Rajamannan, Rochester, MN; USA

Abstract No.

08:30 INCREASING UTILIZATION OF THE BIOPROSTHETIC VALVE IN PATIENT UNDER 60- REAL WORLD EXPERIENCE CONTRARY TO GUIDELINE RECOMMENDATION
M. Kawabori, J. Ejiofor, S. McGurk, M. Yammine, L. Cohn, S. Aranki, T. Kaneko
Brigham and Women’s Hospital, Boston, MA, USA

08:45 CIRCULAR SHAPE ASSUMPTION OF OVAL LVOT BY STANDARD 2D ECHOCARDIOGRAPHY (CONTINUITY METHOD) MAY RESULT IN SUBSTANTIAL UNDERESTIMATION OF AORTIC VALVE AREA
M. Roberts, A. Samim, C. Katikireddy
UCSF Fresno, Fresno, CA, USA

09:00 PREDICTION OF NEW ONSET ATRIAL FIBRILLATION AFTER TRANSCATHETER AORTIC VALVE REPLACEMENT
T. Ando, D. Slovut, C. Taub
Mount Sinai Beth Israel, New York, NY, USA

09:15 UPDATE ON TREATMENT OF VALVE DISEASE IN ELDERLY PATIENTS (invited lecture)
I. Mikati
Radiology Feinberg School of Medicine, Chicago, IL, USA

09:30 OUTCOMES OF MITRAL VALVE SURGERY FOR MITRAL STENOSIS
A.F. Al Mosa, H. Najm, A. Omair
King Saud bin Abdulaziz University for Health Sciences (KSAU-HS), Riyadh, Saudi Arabia and National Guard Hospital, Riyadh, Saudi Arabia

09:45 INFECTIOUS ENDOCARDITIS PREVALENCE HAS BEEN INCREASING OVER THE YEARS WITH PERSISTENTLY HIGHER PREVALENCE IN MALE GENDER
M-R. Movahed, M. Hashemzadeh, M. Hashemzadeh
CareMore, University of Arizona, Long Beach VA Health Care System, Tucson, AZ, USA

10:00 ELEVATED SERUM OSTEOPROTEGERIN LEVELS ARE ASSOCIATED WITH AORTIC VALVULAR STENOSIS: A META-ANALYSIS
P. Agasthi, A. Chenna, S. Aloor, P. Kudaravalli, A. Onwuanyi
University of Nevada School of Medicine, Reno, USA

10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION
Current Concepts and Future Directions in Ischemic Heart Disease and Acute Coronary Syndromes

Plenary Session

11:15 – 13:45 Hall A

11:15 WHAT IS OPTIMAL THERAPY FOR STABLE ANGINA IN THE YEAR 2015? (Invited Lecture)
U. Thadani, University of Oklahoma HSC and VA Medical Center, Oklahoma City, OK, USA

11:30 EVOLUTION IN THE MANAGEMENT OF LOW RISK PATIENTS PRESENTING TO THE EMERGENCY DEPARTMENT WITH CHEST PAIN (Invited Lecture)
E.A. Amsterdam
University of California (Davis) Medical Center, Sacramento, CA, USA

11:45 CT ASSESSMENT OF CORONARY FLOW PHYSIOLOGY (Invited Lecture)
D.S. Berman, D. Dey, P. Slomka, G. Germano, S.W. Hayes, J.D. Friedman, L. Thomson, A. Rozanski
Cedars-Sinai Medical Center, Los Angeles, California, USA

12:00 MYOCARDIAL VIABILITY IN CORONARY ARTERY CHRONIC TOTAL OCCLUSION (Invited Lecture)
J. Shirani, St. Luke’s University Health Network, Bethlehem, PA, USA

12:15 CHOOSING WISELY: WHAT WORKS AND WHAT DOESN’T (Invited Lecture)
G.W. Barsness, Mayo Clinic, Rochester, MN, USA

12:30 ENDOTHELIAL DYSFUNCTION FOLLOWING IMPLANTATION OF CORONARY DRUG-ELUTING STENTS AND MEDICAL THERAPIES (Invited Lecture)
M. Terashima, Toyohashi Heart Center, Toyohashi, Japan

12:45 RESPIRATORY MANEUVERS THAT CAN BE USEFUL DURING CARDIAC CAUTERIZATION OR CORONARY INTERVENTIONS (Invited Lecture)
M.R. Movahed, CareMore, Tucson, Arizona, USA

13:00 EVOLVING ROLE OF PLATELET FUNCTION TESTING IN ACUTE CORONARY SYNDROMES (Invited Lecture)
R.K. Sharma, J.D. Marsh
University of Arkansas for Medical Sciences, Little Rock, Arkansas, USA

13:15 STABLE ISCHEMIC HEART DISEASE: THE PRESENT AND THE FUTURE (Invited Lecture)
M.S. Sidhu, Albany Medical Center, NY, USA

13:30 DECLINING TRENDS IN CARDIOGENIC SHOCK DEVELOPING DURING HOSPITALIZATION FOR ACUTE MYOCARDIAL INFARCTION (AMI): INSIGHTS FROM A POPULATION BASED CORONARY HEART DISEASE REGISTRY
R. Makam, J. Gore, D. McManus, J. Yarzebski, R. Goldberg
University of Massachusetts Medical School, Worcester, MA, USA
S35  Session
HEART FAILURE: NOVEL RISK FACTORS, BIOMARKERS, NEW TREATMENT OPTIONS AND OUTCOME

Chairs:  A.K. Kazory, Gainesville, Florida, USA
A. Kumar, Amritsar, India

11:15  RENAL BIOMARKERS PREDICT ADVERSE OUTCOMES IN HEART FAILURE WITH PRESERVED EJECTION FRACTION
A. Singh, S. Lee, P.J. Tan, P. Huang, Y. Cao, C. Kam, S.C. Chai, T.S. Chee, K.L. Tong, G. Leong
Changi General Hospital, Singapore, Singapore
Abstract No. 353

11:30  PREDICTORS OF RESPONSE IN PATIENTS WITH ACUTE DECOMPENSATED HEART FAILURE REQUIRING MILRINONE
J.L. Turner, J.J. Teuteberg, M.A. Mathier, R. Ramani, D. Ishizawar, M.A. Simon, D. McNamara, B.C. Lampert
The Ohio State University, Columbus, OH, USA
Abstract No. 354

11:45  CORRELATION BETWEEN AORTIC ROOT DILATION AND DIASTOLIC DYSFUNCTION AND RELATIONSHIP WITH OTHER PARAMETERS
P. Rodríguez-Lozano, S. Raslan, A. Melhem, M. Shieh, A. Khan, P. Narabothu, M. Morsy, W. Khalife, K. Sadat
UTMB, Galveston, TX, USA
Abstract No. 355

12:00  EFFECTS OF LIBERAL VERSUS RESTRICTIVE BLOOD TRANSFUSION STRATEGIES IN CONGESTIVE HEART FAILURE
Western Reserve Health Education, Youngstown, OH, USA
Abstract No. 356

12:15  PREDICTING READMISSION IN A HEART FAILURE POPULATION AT A RURAL TERTIARY CARE HOSPITAL
D. Stapleton, H. Prasad, E. Stapleton, G. Choudhary, F. Ali
Guthrie Clinic/Robert Packer Hospital, Sayre, PA, USA
Abstract No. 357

12:30  FACTORS ASSOCIATED WITH HEART FAILURE READMISSIONS FROM SKILLED NURSING FACILITIES
F.J. Akande
Stony Brook University, Stony Brook, NY, USA
Abstract No. 358

12:45  DISCHARGE HOME HEALTH VS. HOSPICE REFERRAL AND 30-DAY ALL-CAUSE READMISSION IN MEDICARE BENEFICIARIES HOSPITALIZED FOR HEART FAILURE
A. Ahmed, R.E. Kheirbek, R.D. Fletcher
VA Medical Center, Washington, DC, USA
Abstract No. 359

13:00  READMISSIONS: HOW MANY ARE ACTUALLY PREVENTABLE?
M. Farbaniec, T. Schmidt, P. Alagona, A. Foy
Penn State Hershey Medical Center, Hershey, PA, USA
Abstract No. 360

13:15  FRACTIONAL EXCRETION OF UREA AS A PROGNOSTIC INDICATOR IN PATIENTS WITH LOW CARDIAC INDEX
R.C. Liu, J. Chuang, M. Yeh
Beverly Hospital, Montebello, CA, USA
Abstract No. 361
## S36 Session
**DIABETES, HYPERTENSION AND CARDIOVASCULAR DISEASE – RISK AND MANAGEMENT**

Chairs:  
S.D. Gertz, Jerusalem, Israel  
D. B. Panagiotakos, Athens, Greece

11:15  
**COMPARATIVE PROGNOSTIC VALUE OF DIFFERENT AMBULATORY BLOOD PRESSURE PARAMETERS AS PREDICTORS OF STROKE: THE HYGIA PROJECT**  
University of Vigo, Vigo, Spain

11:30  
**FETUIN-B IMPAIRS CARDIAC INSULIN SIGNALING AND CONTRIBUTES TO INCREASED CARDIAC ISCHEMIA/REPERFUSION INJURY SUSCEPTIBILITY IN DIABETES**  
Experiment Teaching Center, Fourth Military Medical University, Xi’an, China

11:45  
**MORNING SURGE AND SLEEP-TIME BLOOD PRESSURE AS PROGNOSTIC MARKERS OF CARDIOVASCULAR RISK: THE HYGIA PROJECT**  
University of Vigo, Vigo, Spain

12:00  
**PATIENT CHARACTERISTICS ASSOCIATED WITH OBESITY RELATED HYPERTENSION IN OBESE AFRICAN AMERICANS AND HYPERTENSION NON RESOLUTION AFTER BARIATRIC SURGERY: A SINGLE CENTER STUDY**  
Howard University Hospital, Washington DC, USA

12:15  
**PREVENTION OF A POSSIBLE DRUG–DRUG INTERACTION: DOES CONCURRENT ADMINISTRATION OF ORLISTAT AND PIOGLITAZONE INCREASE THE RISK OF DRUG-INDUCED HEPATOTOXICITY?**  
P. Rahimi-Moghaddam, M. Emzhik  
Iran University of Medical Sciences, Tehran, Iran
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<td>MIR-210 SUPPRESSES GLUCOCORTICOID RECEPTOR IN RAT CARDIOMYOCYTES IN RESPONSE TO FETAL HYPOXIA</td>
<td>S.R. Martinez, C. Dasgupta, L. Zhang Loma Linda University School of Medicine, Loma Linda, CA, USA</td>
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<td>CORRELATION ANALYSIS OF THE ALTERATIONS IN EPOXY- AND HYDROXY- ARACHIDONIC ACID METABOLITES WITH THE DEVELOPMENT OF CARDIAC HYPERTROPHY IN RATS</td>
<td>A.A. El-Sherbeni, A.O.S El-Kadi University of Alberta, Edmonton, AB, Canada</td>
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<td>IMPROVEMENT EFFECTS ON CARDIAC FUNCTION AFTER OSTEOPONTIN-DERIVED SVVYGLR PEPTIDE-SECRETING MYOBLAST SHEETS TRANSPLANTATION FOR ISCHEMIC CARDIOMYOPATHY</td>
<td>A. Uchinaka, Y. Hamada, S. Mori, N. Matsuura, N. Kawaguchi Osaka University Graduate School of Medicine, Suita, Japan</td>
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<td>J. Han, H.K. Kim, S.J. Noh, S.J. Lee, N. Kim, K.S. Ko, B.D. Rhee Inje University, Busan, Korea</td>
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<td>CARDIAC ENDOThelial CELL-DERIVED EXOSOMES INDUCE SPECIFIC REGULATORY B CELL</td>
<td>J.P. Song, X. Chen, M.Y. Wang, Y. Xing, Z. Zheng, S.S. Hu State Key Laboratory of Cardiovascular Disease, Fuiwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy, China</td>
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<td>P66SHC-MEDIATES OXIDATIVE STRESS AND ENDOTHELIAL ACTIVATION INDUCED BY MITOCHONDRIAL DYSFUNCTION IN HUVECS</td>
<td>S.B. Jung, N. Harsha, J.B. Park, S.J. Choi, C.S. Kim</td>
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<td>ANTI-INFLAMMATORY FUNCTION OF APE1/REF-1 IN ENDOTHELIAL ACTIVATION</td>
<td>B.H. Jeon, H.K. Joo, S. Choi, Y.R. Lee, G. Kang, C.S. Kim</td>
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<td>HPLC-FLUORESCENCE METHOD FOR THE ENANTIOSELECTIVE ANALYSIS OF PROPRANOLOL IN RAT SERUM USING IMMOBILIZED POLYSACCHARIDE-BASED CHIRAL STATIONARY PHASE</td>
<td>A.K. Al-Suwailem</td>
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**P503 PROGRESS IN ECHOCARDIOGRAPHY**

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<td>SPECKLE TRACKING ECHOCARDIOGRAPHY IN THE ASSESSMENT OF CONSTRUCTIVE PERICARDITIS</td>
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<td>Sapienza University, Cardiology and Medicine Depts, Rome, Italy</td>
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<td>ATRIAL FLUTTER HAS LESS SPONTANEOUS ECHO CONTRAST AND HIGHER APPENDAGE EMPTYING VELOCITY THAN ATRIAL FIBRILLATION</td>
<td>J.J. Huang, S. Reddy, T.H. Truong, P. Suryanarayana, S. McNitt, J.S. Alpert</td>
<td>University of Arizona Medical Center Tucson, AZ, USA</td>
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<td>THREE-DIMENSIONAL SPECKLE TRACKING ECHOCARDIOGRAPHY IN THE ASSESSMENT OF RIGHT VENTRICULAR DYSFUNCTION AFTER SURGICAL REPAIR OF TETRALOGY OF FALLOT</td>
<td>L. Capotosto, I. D’Angeli, R. Ashurov, F. Miraldi, A. Vitarelli</td>
<td>Sapienza University, Cardiac Dept., Rome, Italy</td>
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<td>DOBUTAMINE-INDUCED ATRIAL FIBRILLATION DURING DOBUTAMINE STRESS ECHOCARDIOGRAPHY</td>
<td>A. Sinha, Y. Acharaya, J. Bhatarai, R. Kumar, J. Shirani</td>
<td>Saint Luke’s University Hospital, Bethlehem, PA, USA</td>
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<td>15</td>
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<td>PROGNOSTIC IMPLICATIONS OF RACE IN PATIENTS WITH NORMAL DOBUTAMINE STRESS ECHO</td>
<td>Y. Zheng, S. Siniara, R. Ferguson, Y. Chia, H. Lawson, S. Bulugahapitiya</td>
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<td>CORRELATION BETWEEN CARDIOVASCULAR AND LIVER MAGNETIC RESONANCE T2* AND TRANSTHORACIC ECHOCARDIOGRAPHIC STUDY IN THALASSEMA PATIENTS</td>
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<td>IS THERE ANY CORRELATION BETWEEN CHA2DS2-VASC SCORE TO LEFT ATRIAL VOLUME INDEX?</td>
<td>H.N. Patel, N.T. Nazir, C.J. Bai, A. Volgman</td>
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<td>MAKING NOT-SO-OBVIOUS OBVIOUS; THE ROLE OF 2D ECHOCARDIOGRAPHY IN DIAGNOSIS OF AORTIC DISSECTION</td>
<td>S. Neupane, H. Othman, G.I. Cohen</td>
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<td>R. Manikat, F. Elmi, J. Shirani</td>
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**P505  ATRIAL FIBRILLATION: DIAGNOSTIC ELECTROPHYSIOLOGY, ABLATION AND STROKE PREVENTION**

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**CONTRIBUTION OF EPICARDIAL ADIPOSE TISSUE TO ATRIAL FIBRILLATION SUBSTRATE WITH HIGH DOMINANT FREQUENCY IN ABLATION**

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**EFFECT OF AMIODARONE-WARFARIN INTERACTION ON ANTICOAGULATION QUALITY IN A SINGLE CENTER**

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**CLINICAL 1 YEAR EXPERIENCE WITH A NOVEL MULTIPOLAR IRRIGATED ABLATION CATHETER IN AF ABLATION PROCEDURES**

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**IMPACT OF REDUCED ABLATION TIME ON CLINICAL OUTCOMES IN PAF PATIENTS USING ARCTIC FRONT ADVANCE CRYOBALLOON (AFACA)**

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**MANAGEMENT OF GASTROINTESTINAL SYMPTOMS IN PATIENTS TREATED WITH DABIGATRAN ETEXILATE (PRADAXA®)**

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**USEFULNESS OF DABIGATRAN IN JAPANESE PATIENTS WITH NON VALVULAR ATRIAL FIBRILLATION**

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**EVALUATING EJECTION FRACTION AND OBESITY IN A HEART FAILURE PROGRAM PREDOMINANTLY COMPOSED OFA BLACK AND HISPANIC POPULATION**

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