INTERNATIONAL ACADEMY OF CARDIOLOGY
ANNUAL SCIENTIFIC SESSIONS 2018
23rd WORLD CONGRESS ON
HEART DISEASE
BOSTON, MA, USA, JULY 27 – 29, 2018

Organized by:
INTERNATIONAL ACADEMY OF CARDIOLOGY

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

Acknowledgments:
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Dear Friend and Colleague,

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

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

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

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

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

Yours sincerely,

Asher Kimchi, MD
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Philip Barter, Australia
Alexei G. Basnakian, USA
Lewis C. Becker, USA
Elise Belaidi-Corsat, France
Daniel S. Berman, USA
Sukhwinder K. Bhullar, Canada
Robert W.W. Biederman, USA
Erik A.L. Biessen, The Netherlands
Anindita Das, USA
Srikant Das, USA
Buddhadeb Dawn, USA
Abhishek Deshmukh, USA
Yvan Devaux, Luxembourg
Naranjan S. Dhalla, Canada
Luc Djousse, USA
Samuel C. Dudley, USA
Daniel A. Duprez, USA
Mohaned Egred, UK
Samar R. El Khoudary, USA
Abdou Elhendy, USA
Arif Elvan, The Netherlands
DeLisa Fairweather, USA
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Daniel Moreira Gonçalves, Portugal
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Sreejayan Nair, USA
Andrea Natale, USA
Marc-Alexander Ohlow, Germany
Niels T. Olsen, Denmark
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Elmir Omerovic, Sweden
Demosthenes B. Panagiotakos, Greece
Jignesh Patel, USA
Louis P. Perrault, Canada
Cristina Pislaru, USA
Ygal Plakht, Israel
Don Poldermans, The Netherlands
Rahul Potluri, UK
Sumanth D. Prabhu, USA
Kailash Prasad, Canada
Gregg S Pressman, USA
Paolo Emilio Puddu, Italy
Jeffrey J. Rade, USA
Satish R. Raj, Canada
Shahzad G. Raja, UK
Dipak P. Ramji, UK
Somwail Rasla, USA
Katya Ravid, USA
Judith G. Regensteiner, USA
Jeffrey Robbins, USA
Clive Rosendorff, USA
Robert S. Rosenson, USA
Kerry-Anne Rye, Sydney
Hani N. Sabbah, USA
Rajesh Sachdeva, USA
Fabian Sanchis-Gomar, USA
Tiziano M. Scarabelli, Italy
Thomas H. Schindler, USA
Paul Schoenhagen, USA
Karlheinz Seidl, Germany
Howard D. Sesso, USA
Ravi V. Shah, USA
Madhan Shanmugasundaram, USA
Neeru Sharma, USA
Michael Shechter, Israel
Win-Kuang Shen, USA
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Elsayed Z. Soliman, USA
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Hongki Yoo, Korea
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Youhua Zhang, USA
The International Academy of Cardiology has established five awards to honor the memory of distinguished colleagues who made a major contribution to Medicine and Cardiology and who were members of the faculty for previous International Academy of Cardiology meetings. As in previous years, the recipients were selected by a very prestigious Awards Committee. The awards for 2018 will be presented at the Opening Ceremony of the Congress.

AWARD RECIPIENTS

The WALTER BLEIFELD MEMORIAL AWARD for distinguished work in the field of Clinical Research

1995 William Ganz, USA
1996 John B. Barlow, South Africa
1997 Sidney Goldstein, USA
2000 E. Douglas Wigle, Canada
2002 Uri Elkayam, USA
2003 John A. Elefteriades, USA
2005 James H. Chesebro, USA
2007 Clive Rosendorff, USA
2008 Harisios Boudoulas, Greece
2010 Wilbert S. Aronow, USA
2011 Maryl R. Johnson, USA
2012 Anne B. Curtis, USA
2013 Horst Sievert, Germany
2014 Paul A. Heidenreich, USA
2015 Ezra A. Amsterdam, USA
2016 Yochai Birnbaum, USA
2017 Luc Djoussé, USA
AWARD RECIPIENTS (Cont.)

The **ALBRECHT FLECKENSTEIN MEMORIAL AWARD**
for distinguished work in the field of Basic Research

<table>
<thead>
<tr>
<th>Year</th>
<th>Award Recipient</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>1995</td>
<td>Lionel H. Opie</td>
<td>South Africa</td>
</tr>
<tr>
<td>1996</td>
<td>Peter Ganz</td>
<td>USA</td>
</tr>
<tr>
<td>1997</td>
<td>Jutta Schaper</td>
<td>Germany</td>
</tr>
<tr>
<td>2000</td>
<td>Naranjan S. Dhallla</td>
<td>Canada</td>
</tr>
<tr>
<td>2002</td>
<td>Hani N. Sabbah</td>
<td>USA</td>
</tr>
<tr>
<td>2003</td>
<td>Jawahar L. Mehta</td>
<td>USA</td>
</tr>
<tr>
<td>2005</td>
<td>Francis G. Spinale</td>
<td>USA</td>
</tr>
<tr>
<td>2007</td>
<td>Thomas Force</td>
<td>USA</td>
</tr>
<tr>
<td>2008</td>
<td>Robert Roberts</td>
<td>Canada</td>
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<tr>
<td>2010</td>
<td>Pawan K. Singal</td>
<td>Canada</td>
</tr>
<tr>
<td>2011</td>
<td>Dipak K. Das</td>
<td>USA</td>
</tr>
<tr>
<td>2012</td>
<td>Teruhiko Toyo-Oka</td>
<td>Japan</td>
</tr>
<tr>
<td>2013</td>
<td>Anne A. Knowlton</td>
<td>USA</td>
</tr>
<tr>
<td>2014</td>
<td>Kenneth Maisese</td>
<td>USA</td>
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<tr>
<td>2015</td>
<td>Samuel C. Dudley</td>
<td>USA</td>
</tr>
<tr>
<td>2016</td>
<td>Tadeusz Malinski</td>
<td>USA</td>
</tr>
<tr>
<td>2017</td>
<td>Guo-Ping Shi</td>
<td>USA</td>
</tr>
</tbody>
</table>

The **JAN J. KELLERMANN MEMORIAL AWARD**
for distinguished work in the field of Cardiovascular Disease Prevention

<table>
<thead>
<tr>
<th>Year</th>
<th>Award Recipient</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>1995</td>
<td>Nanette Kass Wenger</td>
<td>USA</td>
</tr>
<tr>
<td>1996</td>
<td>James S. Forrester</td>
<td>USA</td>
</tr>
<tr>
<td>1997</td>
<td>Charles H. Hennekens</td>
<td>USA</td>
</tr>
<tr>
<td>2000</td>
<td>Bodh I. Jugdutt</td>
<td>Canada</td>
</tr>
<tr>
<td>2002</td>
<td>William T. Abraham</td>
<td>USA</td>
</tr>
<tr>
<td>2003</td>
<td>Dean Ornish</td>
<td>USA</td>
</tr>
<tr>
<td>2005</td>
<td>Rodolfo Paoletti</td>
<td>Italy</td>
</tr>
<tr>
<td>2007</td>
<td>Gerald S. Berenson</td>
<td>USA</td>
</tr>
<tr>
<td>2008</td>
<td>Philip R. Liebson</td>
<td>USA</td>
</tr>
<tr>
<td>2010</td>
<td>Elizabeth L. Barrett-Connor</td>
<td>USA</td>
</tr>
<tr>
<td>2011</td>
<td>Nathan D. Wong</td>
<td>USA</td>
</tr>
<tr>
<td>2012</td>
<td>Ulrich Keil</td>
<td>Germany</td>
</tr>
<tr>
<td>2013</td>
<td>Stephen L. Kopecky</td>
<td>USA</td>
</tr>
<tr>
<td>2014</td>
<td>Howard D. Sesso</td>
<td>USA</td>
</tr>
<tr>
<td>2015</td>
<td>Michael E. Farkouh</td>
<td>Canada</td>
</tr>
<tr>
<td>2016</td>
<td>Robert S. Rosenson</td>
<td>USA</td>
</tr>
<tr>
<td>2017</td>
<td>Samia Mora</td>
<td>USA</td>
</tr>
</tbody>
</table>
AWARD RECIPIENTS (Cont.)

The **HANS-PETER KRAYENBUEHL MEMORIAL AWARD**
for distinguished work in the field of Research in Cardiac Function

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

The **MELVIN L. MARCUS MEMORIAL AWARD**
for distinguished contribution as a Gifted Teacher

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

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

DISTINGUISHED FELLOWSHIP AWARD RECIPIENTS

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

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

1989   HEART FAILURE: ETIOLOGICAL MODELS AND THERAPEUTIC IMPLICATIONS
       Edmund H. Sonnenblick, USA

1993   THE MOLECULAR BIOLOGY OF CARDIAC HYPERTROPHY AND FAILURE:
       THE POTENTIAL FOR MOLECULAR INTERVENTION
       Robert Roberts, USA

1995   CARDIOMYOPATHY OF OVERLOAD: AN UNNATURAL GROWTH RESPONSE
       IN THE FAILING HEART
       Arnold M. Katz, USA

1996   PREVENTION OF HEART FAILURE - FEASIBLE AND DESIRABLE
       Kanu Chatterjee, USA

1997   MORPHOLOGICAL AND FUNCTIONAL TRANSFORMATION OF THE LEFT
       VENTRICLE IN HEART FAILURE
       Sidney Goldstein, USA

1998   PREVENTION OF CORONARY DISEASE EVENTS: MYTHS AND OPPORTUNITIES
       Harold J.C. Swan, USA

1999   NEW CONCEPTS CONCERNING THE CELL BIOLOGY OF VULNERABLE
       PLAQUES
       James S. Forrester, USA

2000   THE CELLULAR AND MOLECULAR BASIS OF HEART FAILURE IN VALVULAR
       REGURGITATION: RELATION TO CLINICAL OUTCOME
       Jeffrey S. Borer, USA

2001   MODERN PERSPECTIVES ON DISEASES OF THE THORACIC AORTA
       John A. Elefteriades, USA

2002   GENETIC MECHANISMS OF HEART FAILURE
       Jeffrey A. Towbin, USA

2003   HEART FAILURE AND THE NEED FOR DEVICE THERAPY
       William T. Abraham, USA
2005 INTEGRATION OF CARDIAC MRI, CARDIAC CT SCANNING, AND NUCLEAR CARDIOLOGY IN CLINICAL ASSESSMENT OF PATIENTS WITH KNOWN OR SUSPECTED CHRONIC CAD: WHICH TEST IN WHICH PATIENT?  
**D.S. Berman**, USA

2007 HOW BEST TO IDENTIFY PATIENTS AT RISK FOR SUDDEN CARDIAC DEATH  
**M.E. Cain**, USA

2008 WOMEN AND HEART DISEASE IN THE POST-WHI ERA  
**E.L. Barrett-Connor**, USA

2010 VOODOO DEATH REVISITED: THE MODERN LESSONS OF NEUROCARDIOLOGY  
**M.A. Samuels**, USA

2011 ANGIOGENESIS IN ATHEROSCLEROSIS: MECHANISM, ROLE AND THERAPEUTIC IMPLICATION  
**J.L. Mehta**, USA

2012 PERIPARTUM CARDIOMYOPATHY: NEW CONCEPTS IN PATHOPHYSIOLOGY AND MANAGEMENT  
**U. Elkayam**, USA

2013 CVD IN WOMEN: A FRESH PERSPECTIVE  
**E.A. Amsterdam**, USA

2014 GENDER DISPARITY IN CORONARY HEART DISEASE: BIAS, BIOLOGY, OR BOTH?  
**N.K. Wenger**, USA

**N.D. Wong**, USA

2016 THE WAR ON HEART FAILURE  
**E. Braunwald**, USA

2017 IMPROVEMENT IN QUALITY OF CARE FOR ATRIAL FIBRILLATION IN GET WITH THE GUIDELINES– ATRIAL FIBRILLATION (GWTG-AFIB)  
**A.B. Curtis**, USA
ACKNOWLEDGMENTS

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

GOLD LEVEL

Actelion Pharmaceuticals US, Inc

BRONZE LEVEL

Abbott

Boston Scientific Corporation

for providing educational grants.

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

Roland Archer         Caroline L. Jia
Dror Ben-Tzvi         Rebeca Kimchi
Karen H. Burstein      Vicky Klug
Liron Burstein         Micha Lederman
Maytal Burstein        Shannon J. Leung
Noam Burstein          Karen Lo
Cirina Catania         Einat Peled
Sergey Fedchin         Mike Perchig
Rami Gur               Niharika Reddy
Orly Halevy            Karyn Shall Nahari
Oren Hirschenzone      Jenna M. Stelmar

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

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

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

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

LANGUAGE
The official language of the Congress is English.

REGISTRATION DESK
The Registration Desk will operate as follows:
Thursday, July 26, 2018 16:00 - 18:30 hours
Friday, July 27, 2018 08:00 - 18:00 hours
Saturday, July 28, 2018 08:00 - 18:00 hours
Sunday, July 29, 2018 08:00 - 14:00 hours

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

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

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

Please note that VHS video projection, 35 mm slide projection and overhead projection will not be available.
GENERAL INFORMATION (Cont.)

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

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

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

EXHIBITION
An exhibition will take place during the Congress and will be open as follows:
Friday, July 27  10:00 – 17:00
Saturday, July 28  10:00 – 17:00
Sunday, July 29  10:00 – 13:00

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

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

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

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

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

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

CONGRESS SECRETARIAT
International Academy of Cardiology
Annual Scientific Sessions 2018
23rd World Congress on Heart Disease
PO Box 17659
Beverly Hills, CA 90209, USA
Tel: +1 310 657 8777; Fax: +1 310 659 4781
E-mail: klimedco@ucla.edu
Website: www.CardiologyOnline.com

ORGANIZERS
CARDIOLOGY ONLINE
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Beverly Hills, CA 90209, USA
Tel: +1 310 657 8777; Fax: +1 310 659 4781
E-mail: klimedco@ucla.edu
Website: www.CardiologyOnline.com
SOCIAL PROGRAM

THURSDAY, JULY 26, 2018

GET–TOGETHER RECEPTION  18:00 – 19:00
Registered participants are invited to the Get-Together Reception, which will take place in the Staffordshire Hall on the third floor of the Westin Copley Place.

SATURDAY, JULY 28, 2018  20:00

FAREWELL DINNER (Optional)
Tickets to the dinner are sold-out and no more tickets may be purchased.
LIST OF EXHIBITORS AND SPONSORS

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

- **ACTELION PHARMACEUTICALS US, INC.**  
  Actelion Pharmaceuticals US, Inc., a Janssen Pharmaceutical Company of Johnson & Johnson, focuses on the discovery, development and commercialization of innovative treatments to serve critical, unmet medical needs. We strive on delivering ground-breaking medicines that improve patients’ lives. Actelion commercializes medicines for Pulmonary Arterial Hypertension (PAH), Gaucher disease, and products in development for other therapeutic areas and disease states.  
  www.actelion.us  
  650-624-6900

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  At Abbott, we’re all about helping you live the best life you can through good health. We keep your heart healthy, nourish your body at every stage of life, help you feel and move better, and bring you information, medicines and breakthroughs to manage your health. Every day and around the world, we’re discovering new ways to make life better.  
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  224-667-6100

- **BOSTON SCIENTIFIC CORPORATION**  
  Boston Scientific is dedicated to transforming lives through innovative medical solutions that improve the health of patients around the world.  
  www.bostonscientific.com  
  1-800-CARDIAC
EXHIBITORS

- **Akcea Therapeutics**  
  2870 Whiptail Loop East  
  Carlsbad, CA, 92010  
  USA  
  https://akceatx.com

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

- **Alnylam Pharmaceuticals**  
  300 Third St  
  Cambridge, MA 02142  
  USA  
  www.alnylam.com

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

- **Relypsa**  
  100 Cardinal Way  
  Redwood City, CA, 94063  
  USA  
  http://www.relypsa.com

Hyperkalemia Treatment | Veltassa (patiromer) For Oral Suspension

- **Zero Gravity Skin**  
  940 Lincoln Rd  
  Miami Beach, FL, 33139  
  USA  
  www.zero gravityskin.com

Zero Gravity Skin is a wholesaler and supplier of LED medical devices that are FDA approved for pain management and skin rejuvenation.
FRIDAY, JULY 27, 2018

09:00 – 10:30 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
Chair, Scientific Executive Committee
Chair, Section of Cardiovascular Surgery
International Academy of Cardiology

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

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

Wilbert S. Aronow, USA
Member, Scientific Executive Committee
Chair, Section of Hypertension
International Academy of Cardiology

Samia Mora, USA
Member, Scientific Executive Committee
Chair, Section of Preventive Cardiology
International Academy of Cardiology

PRESENTATION OF 2018 AWARDS
John A. Elefteriades, USA
FRIDAY, JULY 27, 2018

09:55 – 10:30  Hall A

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

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

09:55 INTRODUCTION
J.D. Marsh, Little Rock, AR, USA

10:00 EVOLVING LANDSCAPE OF ANTITHROMBOTIC THERAPY FOR Atherosclerosis
(Invited Lecture)
D.L. Bhatt, Brigham and Women’s Hospital, Boston, MA, USA

10:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

11:00 – 12:45  Hall A

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

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

11:00 NANOMEDICAL STUDIES OF ENDOTHELIAL AGING IN THE CARDIOVASCULAR SYSTEM (Invited Lecture)
T. Malinski, H. Dawoud, M. Osama
University, Athens, OH, USA

11:15 PROTEOTOXICITY AND CARDIAC DISEASE (Invited Lecture)
J. Robbins
Cincinnati Children’s Hospital/Univ. Cincinnati, Cincinnati, OH, USA

11:30 MOLECULAR MECHANISMS UNDERLYING THE ANTI-ATHEROGENIC ACTIONS OF NUTRACEUTICALS (Invited Lecture)
J.W.E. Moss, J.O. Williams, H. Gallagher, W. Al-Ahmadi, A. Ismail, V. O’Morain, D.P. Ramji
FRIDAY, JULY 27, 2018

11:00 – 12:45  Hall A

PL01  Plenary Session
CELLULAR AND MOLECULAR BIOLOGY TARGETS FOR CLINICAL CARE IN CARDIOVASCULAR DISEASE (continued)

11:45  PDE5 INHIBITION WITH SILDENAFIL ATTENUATES ALCOHOL-INDUCED CARDIAC DYSFUNCTION IN OBESE DIABETIC MICE: ROLE OF MicroRNA 21  (Invited Lecture)
R.C. Kukreja, A. Samidurai, L. Xi, F. Salloum, A. Das
Virginia Commonwealth University, Richmond, VA, USA

12:00  T3 VERSUS METOPROLOL TREATMENT OF RATS WITH MYOCARDIAL INFARCTION - AND THE WINNER IS?  (Invited Lecture)
A.M. Gerdes, K. Zhang, Y. Zhang, K. Ojamaa, Y.-D. Tang
New York Institute of Technology, Old Westbury, NY, USA

12:15  CARDIAC TARGETING PEPTIDE; A NOVEL CARDIAC TARGETING PROTEIN TRANSDUCTION DOMAIN (Invited Lecture)
M. Zahid
University of Pittsburgh, Pittsburgh, PA, USA

12:30  ANTIBODIES TO MALONDIALDEHYDE-ACETALDEHYDE (MAA) PROTEIN ADDUCT AS A BIOMARKER FOR CARDIOVASCULAR MANIFESTATIONS IN SYSTEMIC LUPUS ERYTHEMATOSUS  (Invited Lecture)
University of Nebraska Medical Center, Omaha, NE, USA

12:45  LUNCH BREAK, VISIT POSTERS AND EXHIBITION
FRIDAY, JULY 27, 2018

11:00 – 13:00

PL02  Plenary Session
INSIGHTS FROM MULTIMODALITY CARDIOVASCULAR IMAGING

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

Abstract No.

11:00  CALCIUM SCORING - WHERE DO WE STAND IN 2018?  (Invited Lecture)  009
J.J. Mahmarian
Weill Cornell Medical College, Houston Methodist Hospital, Houston, TX, USA

11:15  BEYOND STENOSIS: PLAQUE AND ISCHEMIA ASSESSMENTS BY CORONARY CTA  (Invited Lecture)
D.S. Berman, Y. Otaki, J. Friedman, S. Hayes, L. Thomson, E. Eisenberg,
A. Rozanski, P. Slomka, D. Dey, B.K. Tamarappoo
Cedars-Sinai Medical Center, Los Angeles, CA, USA

11:30  NEXT GENERATION INTRAVASCULAR COMPOSITIONAL IMAGING ASSESSMENT OF THE HIGH-RISK PLAQUE  (Invited Lecture)
J.W. Kim
Korea University Guro Hospital, Seoul, Republic of Korea

11:45  NOVEL ULTRASOUND IMAGING STRATEGIES FOR ISCHEMIC HEART DISEASE  (Invited Lecture)
J.M. Gardin
Rutgers New Jersey Medical School, Newark, NJ, USA

12:00  OPTICAL COHERENCE TOMOGRAPHY FOR THE DETECTION OF VULNERABLE PLAQUE  (Invited Lecture)
T. Kubo
Wakayama Medical University, Wakayama, Japan

12:15  ADVANCES IN MYOCARDIAL RECEPTOR IMAGING WITH PET: THE ANGIOTENSIN AND ENDOCANNABINOID SYSTEM  (Invited Lecture)
T.H. Schindler, I. Valenta, P. Pacher
Washington University, Saint Louis, MO, USA

12:30  STRENGTHS AND WEAKNESSES OF EXERCISE ECHOCARDIOGRAPHY  (Invited Lecture)
M. Prokudina
International Heart Center, St. Petersburg, Russian Federation

12:45  A FRAMEWORK FOR WEARABLE TECHNOLOGIES IN CARDIOLOGY  (Invited Lecture)
I. Kedan
Cedars Sinai Smidt Heart Institute, Beverly Hills, CA, USA

13:00  LUNCH BREAK, VISIT POSTERS AND EXHIBITION
FRIDAY, JULY 27, 2018

11:00 – 13:30       Hall C

**PL03 Plenary Session**

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

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

---

**11:00 MYOCARDIAL INTERSTITIAL FIBROSIS IN HEART FAILURE: BEYOND VENTRICULAR STIFFNESS**  
(Invited Lecture)  
H.N. Sabbah  
Henry Ford Hospital, Detroit, MI, USA

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**11:15 EFFECT OF INSTITUTIONAL EXPERIENCE ON OUTCOMES OF ALCOHOL SEPTAL ABLATION FOR HYPERTROPHIC OBSTRUCTIVE CARDIOMYOPATHY**  
(Invited Lecture)  
Charles University, University Hospital Motol, Prague, Czech Republic

---

**11:30 PULMONARY HYPERTENSION - HAVE WE GONE FROM A DEATH SENTENCE TO A “FORGETTABLE DISEASE” FOR MANY IN 30 YEARS?**  
(Invited Lecture)  
R.C. Bourge  
The University of Alabama at Birmingham, Birmingham, AL, USA

---

**11:45 CLEARING OF ß-RECEPTOR AUTOANTIBODIES FROM THE BLOOD: A USEFUL TREATMENT OPTION FOR IDIOPATHIC DILATED CARDIOMYOPATHY**  
(Invited Lecture)  
M. Dandel  
Deutsches Herzzentrum Berlin, Berlin, Germany

---

**12:00 A NEW APPROACH TO HEART VALVE DISEASE: INTERVENTION OR PREVENTION?**  
(Invited Lecture)  
R. Levine  
Massachusetts General Hospital, Boston, MA, USA

---

**12:15 THE ROLE OF LEFT ATRIAL STRAIN IN HEART FAILURE**  
(Invited Lecture)  
B. Hoit  
University Hospitals Cleveland Medical Center, Cleveland, OH, USA

---

**12:30 FAMILIAL MITOCHONDRIAL CARDIOMYOPATHY**  
(Invited Lecture)  
A. Lorber, R. Tal  
Rambam Medical Center, Haifa, Israel
**FRIDAY, JULY 27, 2018**

**11:00 – 13:30**  
Hall C

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<th>PL03</th>
<th>Plenary Session</th>
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<td><strong>MECHANISMS AND MANAGEMENT OF HEART FAILURE IN 2018: HOW CAN WE DO BETTER? (continued)</strong></td>
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<tr>
<th>Time</th>
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<tr>
<td>12:45</td>
<td>024</td>
<td>THERAPEUTIC EFFECT OF IMMUNOADSORPTION IN PATIENTS WITH INFLAMMATORY CARDIOMYOPATHY: RESULTS FROM THE PROSPECTIVE BAD BERKA REGISTRY (Invited Lecture)</td>
</tr>
</tbody>
</table>
| M.-A. Ohlow, M. Schreiber  
Zentralklinik, Bad Berka, Germany |

| 13:00 | 025 | HFpEF AS A SYSTEMIC DISEASE - WHAT CAN WE LEARN FROM CARDIOPULMONARY EXERCISE TESTING? (Invited Lecture) |
| J. Ho  
Massachusetts General Hospital, Boston, MA, USA |

| 13:15 | 026 | CARDIAC REHABILITATION AND ITS EFFECTS ON COGNITION IN SUBJECTS WITH CORONARY ARTERY DISEASE AND HEART FAILURE (Invited Lecture) |
| K. Alagiakrishnan  
University of Alberta, Edmonton, AB, Canada |

| 13:30 |  | LUNCH BREAK, VISIT POSTERS AND EXHIBITION |
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<td>027</td>
<td>CARDIOVASCULAR BENEFITS OF DIURETIC-BASED THERAPIES</td>
<td>P.P. Lu, L.H. Ma, L.Y. Ma, A.H. Hu, X.L. Zhou, W. Wang, L.S. Liu Fuwai Hospital, National Center for Cardiovascular Diseas...</td>
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<td>2</td>
<td>028</td>
<td>PHENYTOIN INHIBITS THE EXPRESSION OF CARDIAC CAV1.2</td>
<td>D. Han, P. Liu, X. Sun, Y. Liu, J. Sun The First Affiliated Hospital of Xi’an Jiaotong University, Xi’an, China</td>
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<td>4</td>
<td>030</td>
<td>EFFECTS OF STATIN USE ON ADVERSE OUTCOMES IN PATIENTS WITH ATRIAL FIBRILLATION</td>
<td>S. Wu, Y.M. Yang National Center for Cardiovascular Diseases, Fuwai Hospital, Beijing, China</td>
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<td>6</td>
<td>032</td>
<td>A CASE REPORT OF HEART FAILURE WITH PRESERVED EJECTION FRACTION DURING</td>
<td>T.J. Matsubara, K. Fujiu, S. Ohnishi, M. Yamasaki University of Tokyo, Tokyo, Japan</td>
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<td>Board No</td>
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<td><strong>DETERMINATION OF RIGHT VENTRICULAR FUNCTION BY SYSTOLIC TO DIASTOLIC DURATION RATIO IN TETRALOGY OF FALLOT</strong></td>
<td><strong>A.L. Arndt, K.W. Holmes</strong></td>
<td><strong>Oregon Health and Science University, Portland, OR, USA</strong></td>
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<td><strong>IDIOPATHIC PERICARDIAL EFFUSION AND CARDIAC TAMPONADE IN CHILDREN WITH TRISOMY 21</strong></td>
<td><strong>C.B. Johnson, A. Qasim, M.A. Aly, A.M. Aly</strong></td>
<td><strong>University of Texas Medical Branch, Galveston, TX, USA</strong></td>
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<td>7</td>
<td><strong>ISOLATED FAMILIAL RIGHT VENTRICULAR HYPOPLASIA</strong></td>
<td><strong>A.M. Aly, S. Dasgupta, A. Jain</strong></td>
<td><strong>University of Texas Medical Branch, Galveston, TX, USA</strong></td>
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<td>8</td>
<td><strong>FETAL DIAGNOSIS AND NEONATAL PALLIATION OF ABSENT AORTIC VALVE WITH HYPOPLASTIC LEFT HEART SYNDROME</strong></td>
<td><strong>A. Qasim, C.B. Johnson, M.A. Aly, A.M. Aly</strong></td>
<td><strong>University of Texas Medical Branch, Galveston, TX, USA</strong></td>
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<td>9</td>
<td><strong>DESPITE THE ODDS</strong></td>
<td><strong>A. Addoumieh, M. Abdallah, D. Majdalany</strong></td>
<td><strong>Cleveland Clinic, Cleveland, OH, USA</strong></td>
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<td>10</td>
<td><strong>UNROOFED CORONARY SINUS AND PERSISTENT LEFT SUPERIOR VENA CAVA: LATE ONSET SYMPTOMS POST-SURGICAL CORRECTION</strong></td>
<td><strong>B. Gheyath, G. Pettersson, D. Majdalany</strong></td>
<td><strong>Cleveland Clinic Foundation, Cleveland, OH, USA</strong></td>
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<td>11</td>
<td><strong>MULTIMODALITY IMAGING OF ANOMALOUS RIGHT CORONARY ARTERY WITH INTERARTERIAL COURSE FOUND DURING A NON ST ELEVATION MYOCARDIAL INFACTION</strong></td>
<td><strong>M. Bintvihok, J. Aoun, M. Almeqdadi, M. Afari, A. Davidoff, L. Tsao</strong></td>
<td><strong>St. Elizabeth’s Medical Center, Boston, MA, USA</strong></td>
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<td>12</td>
<td><strong>COMPARISON OF ECHOCARDIOGRAPHIC CRITERIA FOR DIAGNOSING LEFT VENTRICULAR NONCOMPACITION IN PATIENTS WITH CLINICAL CARDIOMYOPATHY</strong></td>
<td><strong>G. Hackett, F. Munir, R. Tunks, T. Chin</strong></td>
<td><strong>Penn State Health Children’s Hospital, Hershey, PA, USA</strong></td>
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FRIDAY, JULY 27, 2018

08:00 – 13:00  Poster Hall

P103  TRANSCATHETER THERAPY FOR STRUCTURAL HEART DISEASE

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<td>15</td>
<td>041</td>
<td>PERMANENT PACEMAKER (PPM) INSERTION IN PATIENTS WITH CONDUCTION ABNORMALITIES POST TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR): A REVIEW AND PROPOSED GUIDELINES</td>
<td>A.S. Nanda, T. Bob-Manuel, V. Chinta, A. Sharma, U. Ashraf, J. Kelly, I. Pour-Ghaz, R.N. Khouzam</td>
<td>University of Tennessee, Memphis, TN, USA</td>
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<td>16</td>
<td>042</td>
<td>SMOKER’S PARADOX: THE IMPACT OF SMOKING IN PATIENTS UNDERGOING TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR).</td>
<td>A.S. Nanda, M. Agarwal, A. Sharma, V. Chinta, U. Ashraf, J. Kelly, I. Pour-Ghaz, R.N. Khouzam</td>
<td>University of Tennessee, Memphis, TN, USA</td>
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<td>17</td>
<td>043</td>
<td>EFFECTS OF SMOKING ON ECHOCARDIOGRAPHIC AND CLINICAL OUTCOMES AFTER TRANSCATHETER AORTIC VALVE REPLACEMENT</td>
<td>A. Mehlman, A. Radhakrishnan, I. Sunjic, C. Bitetzakis, E. Sadic, A. Bhandari, F. Alvarado, A. Chen, A. Patel, Y. Lu</td>
<td>University of South Florida, Tampa, FL, USA</td>
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<td>18</td>
<td>044</td>
<td>ASSESSMENT OF IMPACT OF PREPROCEDURAL PULMONARY HYPERTENSION TO THE CLINICAL OUTCOMES IN PATIENTS UNDERGOING TRANSCATHETER AORTIC VALVE REPLACEMENT; A SINGLE CENTER EXPERIENCE</td>
<td>M. Farhoud, S. Banga, C. Bhardwaj</td>
<td>OSF SFMC, Peoria, IL, USA</td>
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<td>19</td>
<td>045</td>
<td>INTERMEDIATE-TERM PACEMAKER DEPENDENCY FOLLOWING TRANSCATHETER AORTIC VALVE REPLACEMENT</td>
<td>E. Choi, J. Lee, A. Karnik, K. Lee, V. Kumar, H. Chaudry, S.X. Li, T.B. Curran, B.W. Andrus, J.T. DeVries</td>
<td>Dartmouth Hitchcock Medical Center, Lebanon, NH, USA</td>
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<td>20</td>
<td>046</td>
<td>IMPACT OF TRANSCATHETER AORTIC VALVE REPLACEMENT ON SHORT AND LONG-TERM KIDNEY FUNCTION</td>
<td>J. Aoun, C. Zahm, T. Bhat, S. Lahsaei, J.P. Carrozza</td>
<td>Saint Elizabeth's Medical Center, Brighton, MA, USA</td>
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<td>21</td>
<td>047</td>
<td>THE SAFETY AND FEASIBILITY OF A NOVEL CLOSURE TECHNIQUE IN TRANSCATHETER AORTIC VALVE REPLACEMENT</td>
<td>G.A. Medranda, R. Schwartz, S. Green</td>
<td>NYU Winthrop Hospital, Mineola, NY, USA</td>
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**P104 Cardiac Surgery and Mechanical Circulatory Support**

22. **Reverse-U-Aortotomy (Kiralı Incision) is Safe for Aortic Valve Replacement**
   O. Altas, T. Ozer, M. Ozgur, S. Sarikaya, K. Kirali
   Kosuyolu Heart Training and Research Hospital, Istanbul, Turkey

23. **Intra-Aortic Balloon Pump is Associated with Increased Mortality in Patients with ST-Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention: A Retrospective Analysis**
   J. Kewcharoen, C. Techourueangwiwat, T. Limjaroen, A. Ariyachaipanich
   Chulalongkorn University, Bangkok, Thailand.

24. **Effect of Pleural Integrity During ITA Harvesting on Postoperative Respiratory Functions After Cardiac Surgery**
   O. Altas, O. Yerlikhan, M. Aksut, T. Ozer, D. Gunay, A. Karakoc, K. Kirali;
   Kosuyolu Heart Training and Research Hospital, Istanbul, Turkey

25. **An Unusual Case of Intracardiac Foreign Body Following a Neck Injury; A Case Report and Review of Literature**
   M. Ghanim, S. Bsata, B. Campbell, G. Daly, A. Agnihotri, L. Tsao
   Saint Elizabeth Medical Center, Brighton, MA, USA

26. **Late Ischemic Complication of Atypical Bentall Procedure, Leading to Acute Myocardial Ischemia**
   G. Jolly, A. Haidry, S. Pal, M. Hasan Khan, W. Aronow
   Westchester Medical Center, Valhalla, NY, USA

**P105 Measurement of Outcomes and Quality of Cardiovascular Care**

27. **A Modified Puncture Method Decreases the Venous Indwelling Needle Related Complications in Inpatients with Cardiovascular Diseases: A Single Center Prospective Randomized Study**
   Y. Liu, D. Han, X. Li
   The First Affiliated Hospital of Xi’an Jiaotong University, Xi’an, China

28. **Clinical Utility of an Observation Unit in the Outcome of Cocaine-Induced Chest Pain**
   C. Dumancas, T.O Mene-Afejuku, P.D. Lopez, A. Akinlonu, E. Ngo, S. Mushiyev,
   F. Visco, G. Pekler
   Metropolitan Hospital, New York, NY, USA

29. **Quality Improvement in Post Heart Catheterization Care**
   K. Gu, M. Katz, D. Chang, E. Randhawa, K. D’Mello, G. Ledley
   Drexel University College of Medicine, Philadelphia, PA, USA
FRIDAY, JULY 27, 2018

14:00 – 16:15 Hall A

PL04 Plenary Session
IDENTIFICATION AND MODIFICATION OF NOVEL RISK FACTORS FOR CARDIOVASCULAR DISEASES

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

14:00 LOW T/HIGH T TESTOSTERONE AND THE HEART (Invited Lecture) 056
J.D. Marsh,
University of Arkansas for Medical Sciences, Little Rock, AR, USA

14:15 STORE OPERATED Ca\(^{2+}\)-CHANNEL BLOCKERS AS A POTENTIAL THERAPY FOR HYPERTENSION (Invited Lecture) 057
N.S. Dhalla, St. Boniface Hospital Albrechtsen Research Centre, Winnipeg, MB, Canada

14:30 CARDIOVASCULAR RISK FACTORS: AN UPDATE (Invited Lecture) 058
C. Chen, J. Lu, Q. Yao, Baylor College of Medicine, Houston, TX, USA

14:45 AGE-RAGE STRESS IN CARDIAC DISEASES (Invited Lecture) 059
K. Prasad, University of Saskatchewan, Saskatoon, SK, Canada

15:00 HEMODYNAMIC MODULATION OF NON-PLATELET THROMBOXANE GENERATION (Invited Lecture) 060
J. Rade, University of Massachusetts Medical School, Worcester, MA, USA

15:15 CLINICALLY RELEVANT INTERACTIONS BETWEEN CARDIOVASCULAR DRUGS, HERBALS AND FRUIT JUICES: MECHANISMS OF INTERACTIONS AND PRESCRIBING STRATEGIES (Invited Lecture) 061
H. Buttar, University of Ottawa, Ottawa, Canada

15:30 ROLE OF NITRATES IN THE PREVENTION OF MYOCARDIAL ISCHEMIA ASSOCIATED WITH CARFILZOMIB INFUSION (Invited Lecture) 062
T. Scarabelli, St John Hospital and Medical Center, Detroit, MI, USA

15:45 DECIIPHERING THE ROLE OF MITOPHAGY-LYSOSOME DYSFUNCTION IN THE DIABETIC HEART (Invited Lecture) 063
Q. Liang, S. Kobayashi, F. Zhao, Y. Huang, T. Kobayashi
New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA

16:00 RAPAMYCIN PROTECTS DIABETIC RABBIT HEARTS AGAINST ISCHEMIA/REPERFUSION INJURY BY REGULATING PTEN-AKT SIGNALING (Invited Lecture) 064
A. Das, A. Samidurai, R.C. Kukreja
Virginia Commonwealth University, Pauley Heart Center, Richmond, VA, USA

16:15 COFFEE BREAK, VISIT EXHIBITION
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<td>14:00</td>
<td>OBESITY AND ATRIAL FIBRILLATION (Invited Lecture)</td>
<td>M.A. Alpert, University of Missouri School of Medicine, Columbia, MO, USA</td>
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<td>14:15</td>
<td>PROARRHYTHMIC SUBCELLULAR SIGNALING IN ATRIAL FIBRILLATION: ROLE OF CALCIUM DEPENDENT POTASSIUM CHANNELS (Invited Lecture)</td>
<td>D. Dobrev, University Duisberg-Essen, Essen, Germany</td>
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<td>14:30</td>
<td>TOWARDS A COMPLETE TRUE HYBRID TREATMENT OF ATRIAL FIBRILLATION (Invited Lecture)</td>
<td>S. Gelsomino, CARIM Scholl for Cardiovascular Diseases, University of Maastricht, Maastricht, The Netherlands</td>
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<tr>
<td>14:45</td>
<td>MANAGEMENT OF ATRIAL FIBRILLATION IN THE ELDERLY PATIENT (Invited Lecture)</td>
<td>A. Kumar, V. Mohan, Adarsh Heart and Super Specialty Hospital, Amristar, India</td>
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<td>15:00</td>
<td>UNUSUAL ARRHYTHMIC CAUSES OF SYNCOPE (Invited Lecture)</td>
<td>H.P. Paydak, University of Arkansas for Medical Science, Little Rock, AR, USA</td>
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<td>15:15</td>
<td>VALIDATION OF THE INDICATION FOR IMPLANTABLE CARDIOVERTER DEFIBRILLATOR IN BRUGADA SYNDROME IN THE J WAVE SYNDROMES CONSENSUS CONFERENCE (Invited Lecture)</td>
<td>M. Takagi, Kansai Medical University Medical Center, Moriguchi, Japan</td>
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<tr>
<td>15:30</td>
<td>DANTROLENE, A RYANODINE RECEPTOR STABILIZER, REDUCES ATRIAL FIBRILLATION IN HEART FAILURE (Invited Lecture)</td>
<td>C. Nofi, K. Zhang, Y.-D. Tang, Y. Li, A. Migirov, K. Ojamaa, A. Gerdes, Y. Zhang, New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA</td>
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FRIDAY, JULY 27, 2018

14:00 – 16:45  HALL B

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

15:45  RADIOFREQUENCY ABLATIVE MODIFICATION OF THE AV NODE FOR THE TREATMENT OF ATRIAL FIBRILLATION: EXPLORING THE VALUE OF AN OLD TECHNIQUE  (Invited Lecture)
J. Gimbel
Columbia-St. Mary’s Hospital System-Ascension, Milwaukee, WI, USA

16:00  UP-TO-DATE MANAGEMENT OF ATRIAL TACHYARRHYTHMIAS IN ADULT CONGENITAL HEART DISEASE   (Invited Lecture)
A. Kamp
Nationwide Children’s Hospital and The Ohio State University, Columbus, OH, USA

16:15  HIS BUNDLE PACING
A. Deshmukh, Mayo Clinic, Rochester, MN, USA

16:30  THE RISK PREDICTORS OF COMPLICATIONS OF PULMONARY VEIN ISOLATION  (Invited Lecture)
T.J. Matsubara, K. Fujiu, G. Oguri, E. Hasumi, T. Kojima, I. Komuro
The University of Tokyo, Tokyo, Japan

16:45  COFFEE BREAK, VISIT EXHIBITION
## PL06  Plenary Session

**AORTIC ANEURYSM AND PERIPHERAL ARTERIAL DISEASE: BASIC AND CLINICAL STUDIES**

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

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<td>INSIGHT INTO POLYVASCULAR DISEASE</td>
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<td>(Invited Lecture)</td>
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<td><strong>T. Tomaru</strong>, T. Matsubara, E. Matsubara</td>
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<td>Heisei Yokohama Hospital, Yokohama, Japan</td>
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<td>14:15</td>
<td>GENETICS OF THORACIC AORTIC ANEURYSM 2018</td>
<td>076</td>
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<td>(Invited Lecture)</td>
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<td><strong>J.A. Elefteriades</strong></td>
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<td>Yale University School of Medicine, Aortic Institute at Yale-New Haven, New Haven, CT, USA</td>
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<td>14:30</td>
<td>ADIPOCYTES PROMOTE IL18 BINDING TO ITS RECEPTORS DURING ABDOMINAL AORTIC ANEURYSM FORMATION IN MICE</td>
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<td><strong>G.-P. Shi</strong>, Brigham and Women’s Hospital, Boston, MA, USA</td>
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<td>14:45</td>
<td>POTENTIAL MOLECULAR TARGETS FOR PREVENTION OF PROGRESSION OF ABDOMINAL AORTIC ANEURYSM</td>
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<td><strong>L. Gavish</strong>, R. Beeri, D. Gilon, C. Rubinstein, G. Elberg, <strong>S.D. Gertz</strong></td>
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<td>The Hebrew University of Jerusalem, Jerusalem, Israel</td>
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<td>15:00</td>
<td>SEX DIFFERENCES IN PERIPHERAL ARTERIAL DISEASE: DIAGNOSIS, SYMPTOMS AND TREATMENT</td>
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<td><strong>J. Regensteiner</strong></td>
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<td>University of Colorado, School of Medicine, Aurora, CO, USA</td>
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<td>15:15</td>
<td>ANTIPLATELET THERAPY FOR PERIPHERAL INTERVENTIONS: AN UPDATE FOR 2018</td>
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<td><strong>R. Khouzam</strong>, M. Ibrahim</td>
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<td>University of Tennessee Health Science Center, Memphis, TN, USA</td>
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<td>DOAC IN CANCER PATIENTS: VENOUS THROMBOEMBOLISM AND ATRIAL FIBRILLATION</td>
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<td><strong>N. Maurea</strong></td>
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<td>Istituto Nazionale Tumori, IRCCS, Fondazione G. Pascale, Naples, Italy</td>
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<td>15:45</td>
<td>CURRENT STATUS OF PATHOPHYSIOLOGY AND THERAPY OF PERIPHERAL ARTERY DISEASE</td>
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<td><strong>S. Bhullar</strong>, N.S. Dhalla</td>
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<td>St. Boniface Hospital, University of Manitoba, Winnipeg, MB, Canada</td>
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<td>16:00</td>
<td>FILTERING THE EVIDENCE: UPDATES ON IVC FILTERS</td>
<td>083</td>
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<td>(Invited Lecture)</td>
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<td><strong>B. Bikdeli</strong>, Columbia University Medical Center, New York, NY, USA</td>
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<td>16:15</td>
<td>COFFEE BREAK, VISIT EXHIBITION</td>
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## S21 Session
**MOLECULAR CARDIOLOGY, VASCULAR BIOLOGY AND REGENERATIVE MEDICINE IN CARDIOVASCULAR DISEASE**

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

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<th>Time</th>
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<tr>
<td>16:45</td>
<td>Na⁺-H⁺ EXCHANGER 1 DEFICIENCY PROTECTS ANGIOTENSIN II-INDUCED ABDOMINAL AORTIC ANEURYSM IN APOLIPOPROTEIN E-DEFICIENT MICE</td>
<td>084</td>
<td>C.-L. Liu, G. Sukhova, P. Libby, G.-P. Shi</td>
<td>Brigham and Women’s Hospital, Boston, MA, USA</td>
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<td>17:00</td>
<td>THE EFFECT OF HYPOXIA PRE-TREATMENT ON STEM CELL BIOLOGY</td>
<td>085</td>
<td>V. Ramaswamy, F. Franchi, K.M. Peterson, R. Paulmurugan, M.G. Rodriguez-Porcel</td>
<td>Mayo Clinic, Rochester, MN, USA</td>
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<td>17:15</td>
<td>ATTENUATION OF ENDOPLASMIC RETICULUM STRESS BY 4-PHENYLBUTYRIC ACID PROMOTES THE FUNCTIONAL SURVIVAL AND THERAPEUTIC EFFICACY OF BONE MARROW-DERIVED MESENCHYMAL STEM CELLS FOR HEART REPAIR</td>
<td>086</td>
<td>D. Han, J.-W. Chen, F. Cao, Chinese PLA General Hospital, Beijing China</td>
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<td>17:30</td>
<td>AN INSIGHT INTO THE ROLE OF EXTRACELLULAR MATRIX IN DETERMINING THE SITE OF AORTIC ANEURYSM, TAA VERSUS AAA</td>
<td>087</td>
<td>Z. Kassiri,</td>
<td>University of Alberta, Edmonton, AB, Canada</td>
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<td>17:45</td>
<td>IMPORTANCE OF THE MYOCARDIAL MICROENVIRONMENT IN THE BIOLOGY TRANSPPLANTED MESENCHYMAL STEM CELLS</td>
<td>088</td>
<td>F. Franchi, V. Ramaswamy, K.M. Peterson, P. Ramasamy, M.G. Rodriguez-Porcel</td>
<td>Mayo Clinic, Rochester, MN, USA</td>
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<td>18:00</td>
<td>CRUCIAL ROLE OF PI3-KINASE GAMMA IN VASCULAR SMOOTH MUSCLE CELL PROLIFERATION AND NEOINTIMA FORMATION BY REGULATING Skp2 AND p27(kip1)</td>
<td>089</td>
<td>J. Li, S. Liu, M. Wang, R. Jin, Hearshey High School, Hershey, PA, USA</td>
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<td>18:15</td>
<td>CARDIAC TARGETING PEPTIDE: STUDIES INTO MECHANISM OF TRANSDUCTION</td>
<td>090</td>
<td>K. Feldman, T. Feinstein, M. Zahid,</td>
<td>University of Pittsburgh, Pittsburgh, PA, USA</td>
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<td>18:30</td>
<td>SLC3A2 IS A NOVEL ER STRESS-RELATED SIGNALING PROTEIN THAT REGULATES BOTH UPR AND APOPTOSISIN CARDIOMYOCYTES</td>
<td>091</td>
<td>C. Liu, X. Li, C. Li, Y. Tian, K. He</td>
<td>Translational Medicine, Beijing, China</td>
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<td>18:45</td>
<td>CALCIUM CHANNEL BLOCKERS: A MULTIPURPOSE APPROACH</td>
<td>092</td>
<td>N. Motayagheni, A. Atala</td>
<td>Wake Forest University, Winston Salem, NC, USA</td>
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S22  Session
HYPERTENSION, LIPIDS, DIABETES MELLITUS AND CARDIOVASCULAR DISEASE – FROM BENCH TO BEDSIDE

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

16:45  FUNCTIONAL INACTIVATION OF MAST CELL ENHANCES SUBCUTANEOUS ADIPOSE TISSUE BROWNING THROUGH SEROTONIN IN MICE
X. Zhang, X. Wang, J. Liu, G.-P. Shi
Brigham and Women’s Hospital and Harvard Medical School, Boston, MA, USA

17:00  CARDIOVASCULAR OUTCOMES OF AMLODIPINE-BASED COMBINATION THERAPIES IN HIGH-RISK HYPERTENSIVE PATIENTS
Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China

17:15  SEASONAL VARIATIONS IN BLOOD PRESSURE, NEUTROPHIL-LYMPHO CYTE RATIO AND WHITE BLOOD CELL COUNT IN A LARGE POPULATION OF PATIENTS WITH END STAGE RENAL DISEASE
Fresenius Medical Care North America, Waltham, MA, USA

17:30  DIRECT VERSUS CALCULATED LDL CHOLESTEROL AND C REACTIVE PROTEIN IN CARDIOVASCULAR DISEASE RISK ASSESSMENT IN THE FRAMINGHAM OFFSPRING STUDY
H. Ikezaki, V.A. Fisher, C.-T. Liu, K. Nakajima, B.F. Asztalos, N. Furusyo, J. Hayashi, L. Cupples, E.J. Schaefer
HNRCA at Tufts University, Boston, MA, USA

17:45  ADIPOSE TISSUE SURFACE-EXPRESSION OF LDLR AND CD36; LINK TO RISK FACTORS FOR TYPE 2 DIABETES IN NORMOCHOLESTEROLEMIC SUBJECTS
S. Bissonnette, Y. Cyr, V. Lamantia, V. Provost, G. Maye, M. Chretien, M. Faraj
University of Montréal/ Clinical Research Institute of Montréal (IRCM), Montréal, QC, Canada

18:00  PESSIMISTIC OUTLOOK IN ADOLESCENCE INCREASES RISK FOR OBESITY AND HYPERTENSION IN EARLY ADULTHOOD
K. Anand, S. Rajendran, S. Srinivas, A. Chockalingam
University of Missouri, Columbia, MO, USA
FRIDAY, JULY 27, 2018

16:45 – 19:30  Hall B

S22  Session
HYPERTENSION, LIPIDS, DIABETES MELLITUS AND CARDIOVASCULAR DISEASE – FROM BENCH TO BEDSIDE (continued)

18:15  COMBINED TREATMENT BY LIPID-LOWERING DRUGS IN ACUTE LIPEMIA IN MICE 099
Institute of Physiology and Basic Medicine, Novosibirsk, Russian Federation

18:30  SPATIAL VARIATION ON PREVALENCE OF HYPERTENSION IN CHINA: RESULTS FROM CHINA HYPERTENSION SURVEY, 2012-2015 100
National Center of Cardiovascular Disease, FU WAI Hospital PUMC & CAMS, Beijing, China

18:45  PREDICTORS OF CORONARY ARTERY DISEASE IN PATIENTS WITH HYPERTENSIVE EMERGENCY WITH ELEVATED CARDIAC BIOMARKERS 101
M. Rodriguez Ziccardi, J. Penalver, S. Basharat, C. Nwakile
Einstein Medical Center, Philadelphia, PA, USA

19:00  ROLE OF EPICARDIAL ADIPOSE TISSUE IN ATHEROSCLEROSIS ASSOCIATED WITH OBESITY 102
M. Addula
Creighton University, Omaha, NE, USA

19:15  TO COMPARE THE “REAL WORLD” EFFICACY OF PROPROTEIN CONVERTASE SUBTILISIN-KEXIN TYPE 9 (PCSK-9) INHIBITORS ALIROCUMAB VERSUS EVOLOCUMAB ON LDL LOWERING IN PATIENTS PRESENTING WITH DYSLIPIDEMIA: A SINGLE CENTER EXPERIENCE 103
S. Banga, S. Pendyala, T.J. Kizhakekutti
OSF Saint Francis Medical Center, University of Illinois College of Medicine at Peoria, Peoria, IL, USA
16:45 - 19:15

S23 Session

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

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

Abstract No.

16:45 INITIAL INTRAVASCULAR ULTRASOUND IN THE EVALUATION OF CARDIAC TRANSPLANT VASCULOPATHY WITHOUT A ROUTINE EARLY BASELINE STUDY HAS PROGNOSTIC VALUE
R. Arsanjani, M. Hashemzadeh, M.R. Movahed
Mayo Clinic, Scottsdale, AZ, USA

17:00 A PROSPECTIVE COHORT STUDY OF RIGHT VENTRICULAR NORMALIZATION AFTER PULMONARY VALVE REPLACEMENT IN ASYMPTOMATIC PATIENTS WITH MODERATE OR GREATER PULMONARY REGURGITATION AFTER REPAIRED TETRALOGY OF FALLOT
F. He, S. Li, Z. Feng
Fuwai Hospital, Beijing, China

17:15 PATIENTS' PREFERENCES FOR CORONARY BYPASS GRAFTING OR STAGED PERCUTANEOUS CORONARY INTERVENTION IN MULTI-VESEL CORONARY ARTERY DISEASE
M.-A. Ohlow, A. Farah
Zentralklinik, Bad Berka, Germany

17:30 A PROPENSITY SCORE MATCHED STUDY OF ON PUMP AND OFF PUMP CORONARY ARTERY BYPASS SURGERY
Y. Toyoda, M.A.K. Kashem
Lewis Katz School of Medicine at Temple University, Philadelphia, PA, USA

17:45 MIDTERM COMPARISON OF ANNULOPLASTY RINGS IN ISOLATED MITRAL VALVE REGURGITATION
O. Altas, O. Yerlikhan, M. Ozgur, A. Karakoc, K. Kirali
Kosuyolu Heart Training and Research Hospital, Istanbul, Turkey

18:00 MISPLACED PACEMAKER LEAD DUE TO A PARTIAL ANOMALOUS PULMONARY VENOUS CONNECTION
B. Gheyath, R. Kaul, A. Aggarwal, M. Summers, M. Abdallah, D. Majdalany
Cleveland Clinic Foundation, Cleveland, OH, USA

18:15 INCIDENCE OF ACUTE CELLULAR REJECTION AFTER HEART TRANSPLANTATION AND ITS IMPACT ON ONE-YEAR SURVIVAL: A REPORT FROM TERTIARY CARE HOSPITAL IN THAILAND
C. Techorueangwiwat, S. Sinphurmsukskul, P. Ongcharit, K. Thammanatsakul, W. Polsawat, S. Siwamogsatham, S. Puwanant, V. Benjacholamas, A. Ariyachaipanich
Chulalongkorn University, Bangkok, Thailand
FRIDAY, JULY 27, 2018

16:45 – 19:15 Hall C

S23 Oral Session
ADVANCES IN CARDIAC SURGERY: CONGENITAL HEART DISEASE / CORONARY REVASCULARIZATION / MECHANICAL CIRCULATORY SUPPORT / HEART TRANSPLANTATION (continued)

18:30 SURGICAL TREATMENT OF PRIMARY BENIGN RIGHT VENTRICULAR TUMORS: A 10-YEAR SINGLE-CENTER STUDY
E. Qiao
Peking Union Medical College, Chinese Academy of Medical Sciences, Fuwai Hospital, Beijing, China

18:45 VASOACTIVE AGENT EXPOSURE PRIOR TO ACUTE MECHANICAL CIRCULATORY SUPPORT FOR CARDIOGENIC SHOCK IS ASSOCIATED WITH END ORGAN DYSFUNCTION AND MORTALITY
Tufts Medical Center, Boston, MA, USA

19:00 ANOMALOUS CORONARIES IN CHILDREN PRESENT WITH GENDER DIFFERENCES DISSIMILAR TO ADULTS
B. Robinson, C. Baird, F. Pigula
Patients’ Precision Clinic BR Health for You, LLC.; Children’s Hospital Boston, Boston, MA, USA
### P201 ACUTE ISCHEMIC STROKE

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<tr>
<td>1</td>
<td>114</td>
<td>INFLAMMATORY CYTOKINES, IL-1 AND TNF-A, ARE CLUE FOR DETERMINING STROKE ETIOLOGY WITH THE SUSCEPTIBILITY VESSEL SIGN ON MRI</td>
<td>H.-S. Kim, M.-S. Park, E.-H. Kim, J.-T. Park, W. Yoon</td>
<td>Chonnam National University Med. School, Gwangju, Republic of Korea</td>
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<td>2</td>
<td>115</td>
<td>CEREBRAL INFARCTION IS ASSOCIATED WITH MULTIPLE RISK FACTORS IN PATIENTS WITHOUT SEVERE CAROTID SCLEROSIS</td>
<td>E. Matsubara, T. Matsubara, T. Tomaru</td>
<td>Tokyo University Hospital, Tokyo, Japan</td>
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<td>3</td>
<td>116</td>
<td>FINDING CLOSURE AFTER CRYPTOGENIC STROKE</td>
<td>M. Patel, A. Goud, A. Patel, A. Mukherjee, P. Sethi, R. Pai</td>
<td>University of California, Riverside, Alta Loma, CA, USA</td>
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### P202 PERIPHERAL ARTERY DISEASE AND AORTIC DISEASE

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<td>4</td>
<td>117</td>
<td>RETAINED AORTIC MISSILE: A CASE OF A PARTIALLY EMBEDDED BULLET IN THE DESCENDING AORTA</td>
<td>D. Hill, A. Einhorn</td>
<td>Orlando Health, Orlando, FL, USA</td>
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<td>118</td>
<td>A RARE CASE OF MYOCARDIAL ISCHEMIA CAUSED BY DESCENDING AORTA TO RIGHT INFERIOR PULMONARY ARTERY FISTULA</td>
<td>T.-H. Wu, C.-J. Wu</td>
<td>Veterans General Hospital- Kaohsiung, Taiwan, Kaohsiung, Taiwan</td>
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<td>6</td>
<td>119</td>
<td>COMMERCIAL PERIPHERAL ARTERIAL DISEASE SCREENING OUTSIDE THE SCOPE OF ESTABLISHED GUIDELINES</td>
<td>H. Hirzallah, A. Mallad, A. Amro, D. Kusmic, M. El-Hamdani</td>
<td>Marshall University Joan C. Edwards School of Medicine., Huntington, WV, USA</td>
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<td>7</td>
<td>120</td>
<td>USE OF OPTICAL COHERENCE TOMOGRAPHY IN TREATING A CHRONIC TOTAL OCCLUSION FROM A VIETNAM WAR INJURY</td>
<td>B. Horn, J. George</td>
<td>Einstein Medical Center, Philadelphia, PA, USA</td>
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### FRIDAY, JULY 27, 2018

**13:30 – 18:30**  
**Poster Hall**

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#### P203 HEART FAILURE: DIAGNOSIS AND MANAGEMENT

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**Board No.**

1. KIDNEY DYSFUNCTION IN PATIENTS RECEIVING PERCUTANEOUS LEFT VENTRICULAR ASSIST DEVICE  
   H. Aboud, **S. Sutchu**, A. Kazory  
   University of Florida, Gainesville, FL, USA

2. LEARNING NEEDS OF PATIENTS WITH DIASTOLIC HEART FAILURE  
   **J.-A. Ahn**, J.-S. Park, P.-K. Min  
   Ajou University, Suwon, Republic of Korea

3. FAMILIAL AMYLOID CARDIOMYOPATHY: A CASE SERIES  
   A.C. Atanda, O. Atanda, **E. Mbey**, O. Omole, D. Ugwendum, T. Ogundipe, B. Curry, O. Akinboboye  
   Howard University Hospital, Washington, DC, USA

4. FACTORS AFFECTING LENGTH OF STAY AND TIME TO READMISSION IN A RETROSPECTIVE HEART FAILURE READMISSION COHORT  
   Saint Elizabeth’s Medical Center, Brighton, MA, USA

5. LUNG INFILTRATES IN A PATIENT ON BORTEZOMIB - NOT ALWAYS PNEUMONIA  
   **S. Basharat**, M. Rodriguez Ziccardi, M. Bandres, A. Pop  
   Albert Einstein Medical Center, Philadelphia, PA, USA

6. INHALED RACEMIC EPINEPHRINE AS A TRIGGER FOR TAKOTSUBO CARDIOMYOPATHY  
   **M. Ghanim**, M. Almnajam, S. Khare, M.E. Afari, M. Khan  
   Saint Elizabeth Medical Center, Brighton, MA, USA

7. PREMATURE MYOCARDIAL INFARCTION AS THE PRESENTING SIGN OF HYPERCOAGULABLE SYNDROME  
   Rutgers-Robert Wood Johnson Medical School, New Brunswick, NJ, USA

8. STRESS CARDIOMYOPATHY: LOOK AT THE URINE!  
   **S.A. Raza**, S. Haley, L. Hunter, F. Raza  
   Methodist Health System- Dallas, Dallas, TX, USA

9. CANNABIS INDUCED BASAL-MID VENTRICULAR STRESS CARDIOMYOPATHY  
   **S.J. Meera**, S. Vallabhpaneni, R. Aurshiya, S. Pakniyat, J. Shirani  
   St. Luke’s University Health Network, Bethlehem, PA, USA

10. UTILIZATION OF BIOIMPEDANCE SPECTROSCOPY IN LIEU OF INVASIVE MONITORING FOR MONITORING FLUID OVERLOAD  
    **A.A. Accardi**, J.T. Heywood  
    Scripps Memorial Hospital, Encinitas, CA, USA
FRIDAY, JULY 27, 2018

13:30 – 18:30 Poster Hall

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<th>P204</th>
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| 18   | CLINICAL, ELECTROCARDIOGRAPHIC, ECHOCARDIOGRAPHIC PROFILE AND OUTCOMES OF ADULT PATIENTS WITH DILATED CARDIOMYOPATHY AT MAKATI MEDICAL CENTER: A SUBSET ANALYSIS OF THE PHILIPPINE HEART ASSOCIATION (PHA) CARDIOMYOPATHY REGISTRY  
**M. Maliwat**, B. Alimurung, G. Lopez, V. Zarza-Geron  
Makati Medical Center, Makati City, Philippines |
| 19   | PERI-MYOCARDITIS IN A PATIENT WITH COINFECTION OF MYCOPLASMA AND COXSAKIE B LEADING TO DILATED CARDIOMYOPATHY  
**D. Zakri**, J. Saurez, Y. Braver  
Brandon Regional Hospital, Brandon, FL, USA |
| 20   | CHRONIC NASAL DECONGESTANT USE AND TACHYCARDIOMYOPATHY: A CASE REPORT  
**J.R.F. Rocha**, I.C. Pinheiro, M. Giannini, **M.C. Caires**, P.B. Villela,  
R.M. Ferreira, L.A. Salis, N.A. de Souza e Silva  
Edson Saad Heart Institute, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil |

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<th>HYPERTROPHIC CARDIOMYOPATHY</th>
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| 21   | IMPACT OF CONTEMPORARY TREATMENT STRATEGIES ON PATIENTS WITH EXTREME HYPERTROPHIC CARDIOMYOPATHY PHENOTYPE  
**M.D. Romashko**, B.J. Maron, W. Wang, H. Rastegar, M.S. Maron, E.J. Rowin  
Tufts Medical Center, Boston, MA, USA |
| 22   | UNUSUAL CAUSES OF RESOLUTION OF LVOT OBSTRUCTION IN HYPERTROPHIC CARDIOMYOPATHY  
**R. Aurshiya**, S. Meera, S. Pakniyat, J. Shirani  
St. Luke’s University Health Network, Bethlehem, PA, USA |
| 23   | MYOCARDIAL ISCHEMIA CAUSED BY SINGLE CORONARY ARTERY IN HYPERTROPHIC CARDIOMYOPATHY  
**A. Sinha**, R. Kumar, **J. Shirani**  
St. Luke’s University Health Network, Bethlehem, PA, USA |
| 24   | MARKED REGRESSION OF LVH IN FAMILIAL HYPERTROPHIC CARDIOMYOPATHY FOLLOWING BARIATRIC SURGERY AND SUBSTANTIAL WEIGHT LOSS  
**S. Meera**, R. Aurshiya, S. Vallabhaneni, S. Pakniyat, J. Shirani  
St. Luke’s University Health Network, Bethlehem, PA, USA |
**FRIDAY, JULY 27, 2018**

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<tr>
<th>13:30 – 18:30</th>
<th>Poster Hall</th>
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**P205 HYPERTROPHIC CARDIOMYOPATHY (continued)**

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<tr>
<th>Board No</th>
<th>Abstract No.</th>
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<th>Authors</th>
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<tbody>
<tr>
<td>25</td>
<td>138</td>
<td>A CASE OF CONSTRUCTIVE CARDIOMYOPATHY IN FAMILIAL AMYLOIDOSIS</td>
<td>R. Shah, J. Uribe, G. Velasquez, P. Taylor, Orlando Health, Orlando, FL, USA</td>
</tr>
<tr>
<td>26</td>
<td>139</td>
<td>PERSISTENT ST ELEVATION: HYPERTROPHIC CARDIOMYOPATHY RARELY DISCUSSED</td>
<td>M. Khattab, J.R. Martinez Parachini, A. Ul Haq, E. Mora Garzon, E.P. Ngo University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA</td>
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</tbody>
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**P206 PERICARDIAL DISEASE**

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<th>Title</th>
<th>Authors</th>
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<tbody>
<tr>
<td>27</td>
<td>140</td>
<td>A PATIENT WITH A LARGE PERICARDIAL MASS</td>
<td>A. Sustar, D. Javoran, University Hospital Centre, Rijeka, Croatia</td>
</tr>
<tr>
<td>28</td>
<td>141</td>
<td>PERICARDIAL EFFUSION IN A NON-HIV PATIENT AS A HARBINGER FOR A RARE PRIMARY EFFUSION LYMPHOMA</td>
<td>S. Basharat, M. Rodriguez Ziccardi, M. Bandres, A. Pop Albert Einstein Medical Center, Philadelphia, PA, USA</td>
</tr>
<tr>
<td>29</td>
<td>142</td>
<td>UNILATERAL PLEURAL EFFUSION: AN UNUSUAL PRESENTATION OF DRESSLER’S SYNDROME SECONDARY TO PCI</td>
<td>N. Shah, R. Pansare, Internal Medicine, St Mary Mercy Hospital, Livonia, MI, USA</td>
</tr>
</tbody>
</table>

**P207 CARDIOVASCULAR DISEASE IN PATIENTS WITH CHRONIC KIDNEY DISEASE**

<table>
<thead>
<tr>
<th></th>
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<th>Title</th>
<th>Authors</th>
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</thead>
<tbody>
<tr>
<td>30</td>
<td>143</td>
<td>THE ROLE OF SEMAPHORIN-3C (SEMA3C) IN INTERPLAY BETWEEN RENAL EPITHELIAL-ENDOTHELIAL CELLS DURING CYST DEVELOPMENT IN POLYCYSTIC KIDNEY DISEASE</td>
<td>J. Park, E. Lee, Sookmyung Women’s University, Seoul, Republic of Korea</td>
</tr>
<tr>
<td>31</td>
<td>144</td>
<td>NEGATIVE MULTIPLICATION EFFECT OF KIDNEY DYSFUNCTION ON NON VALVULAR ATRIAL FIBRILLATION</td>
<td>M. Zeeshan, R. Ayinla, T. Ahmad Penn State Hershey Medical Center, Hershey, PA, USA</td>
</tr>
<tr>
<td>32</td>
<td>145</td>
<td>RENAL ARTERY STENOSIS PRESENTED WITH SUDDEN FLASH PULMONARY EDEMA IN A PATIENT WITH SINGLE KIDNEY</td>
<td>J. Choi, Y. Kim Uijeoungbu St. Mary's Hospital, Gyeonggi-do, Republic of Korea</td>
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</tbody>
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**P208 EXERCISE PHYSIOLOGY, EXERCISE TESTING**

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<tr>
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<th>Title</th>
<th>Authors</th>
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<tr>
<td>33</td>
<td>146</td>
<td>EFFECTS OF A YOGA INTERVENTION IN REDUCING JOB STRESS AND CARDIOVASCULAR DISEASE RISK FACTORS</td>
<td>W.J. Hwang, J. Ha, J. Kim Kyung Hee University, Seoul, Republic of Korea</td>
</tr>
</tbody>
</table>
INTERNATIONAL ACADEMY OF CARDIOLOGY
ANNUAL SCIENTIFIC SESSIONS 2018
23rd WORLD CONGRESS ON
HEART DISEASE
BOSTON, MA, USA, JULY 27 – 29, 2018

SCIENTIFIC PROGRAM
Saturday, July 28, 2018
SATURDAY, JULY 28, 2018

08:30 – 11:00  Hall A

**PL07 Plenary Session**

**CARDIOVASCULAR PROTECTION, REPAIR AND REGENERATION**

Chairs:  
**N. Maulik**, Farmington, CT, USA  
**J.L. Mehta**, Little Rock, AR, USA

Abstract No.

08:30  
A NOVEL MECHANISM CONTROLLING SMOOTH MUSCLE PHENOTYPE AND VASCULAR REMODELING  (Invited Lecture)  
Y.-C. Wang, X.-B. Cui, Y.-H. Chuang, **S-Y. Chen**  
University of Georgia, Athens, GA, USA  

08:45  
microRNAs IN CARDIOVASCULAR REMODELING AND DISEASE  (Invited Lecture)  
**D.-Z. Wang**, Boston Children's Hospital, Boston, MA, USA  

09:00  
MECHANISM OF CARDIOVASCULAR REMODELING IN HEART FAILURE  (Invited Lecture)  
**S.C. Tyagi**, University of Louisville School of Medicine, Louisville, KY, USA  

09:15  
REGULATION OF ANGIogenic RESPONSE IN DIABETIC MYOCARDIUM  (Invited Lecture)  
**N. Maulik**, University of Connecticut School of Medicine, Farmington, CT, USA  

09:30  
PCS9 EXPRESSION IN THE ISCHEMIC HEART AND ITS RELATIONSHIP TO INFARCT SIZE AND CARDIAC FUNCTION  (Invited Lecture)  
**J.L. Mehta**, Z. Ding  
University of Arkansas for Medical Science, Little Rock, AR, USA  

09:45  
CARDIAC CELL THERAPY: CUMULATIVE DATA AND NEW CONCEPTS  (Invited Lecture)  
**B. Dawn**, University of Nevada, Las Vegas, NV, USA  

10:00  
MULTI-FACETED CONTRIBUTION OF TIMPs TO MYOCARDIAL REMODELING  (Invited Lecture)  
**Z. Kassiri**, University of Alberta, Edmonton, AB, Canada  

10:15  
LONG-TERM EXERCISE-DERIVED EXOSOMAL MIRNAs AS NOVEL EXERKINES FOR CARDIOVASCULAR PROTECTION  (Invited Lecture)  
J. Wu, Z. Hou, X. Qin, X. Zhang, **F. Gao**  
The Fourth Military Medical University, Xian, China  

10:30  
PREVENTION OF MYOCARDITIS/DCM USING REGENERATIVE MEDICINE THERAPY  (Invited Lecture)  
**D. Fairweather**, K. Bruno, A. Hill, P. Stalboerger, L. Cooper, Jr., A. Behfár  
Mayo Clinic, Jacksonville, FL, USA  

10:45  
Natriuretic Peptide Receptor-C IMPROVES VASCULAR REMODELING INSPIRONTANEUSLY HYPERTENSIVE RATS  (Invited Lecture)  
**M.B. Anand-Srivastava**, University of Montreal, Montreal, QC, Canada  

11:00  
COFFEE BREAK, VISIT POSTERS AND EXHIBITION
<table>
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<tr>
<th>Time</th>
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<tr>
<td>08:30</td>
<td>Plenary Session</td>
<td>VALVULAR AND STRUCTURAL HEART DISEASE – ASSESSMENT AND NOVEL TREATMENTS</td>
<td>A.R. Opotowsky, Boston, MA, USA, N.M. Rajamannan, Rochester, MN, USA</td>
</tr>
<tr>
<td>08:30</td>
<td>FEMALE GENDER IS A PREDICTOR OF VASCULAR COMPLICATIONS</td>
<td>IN PATIENTS UNDERGOING TRANS-CATHETER AORTIC VALVE REPLACEMENT FOR SYMPTOMATIC SEVERE AORTIC STENOSIS: A SINGLE CENTER EXPERIENCE</td>
<td>R. Patel, S. Banga, J. Patel, M. Barzallo, S. Mungee, University of Illinois College of Medicine-Peoria/OSF Healthcare, Bloomington, IL, USA</td>
</tr>
<tr>
<td>08:45</td>
<td>A NOVEL AUTOLOGOUS TISSUE-ENGINEERED HEART VALVE FOR TRANSCATHETER IMPLANTATION</td>
<td></td>
<td>Y. Takewa, Y. Nakayama, J. Shimamura, E. Tatsumi, National Cerebral and Cardiovascular Center, Osaka, Japan</td>
</tr>
<tr>
<td>09:00</td>
<td>THE EMERGING ROLE OF CIRCULATING AND URINARY BIOMARKERS</td>
<td>IN THE ASSESSMENT OF ADULTS WITH CONGENITAL HEART DISEASE</td>
<td>A.R. Opotowsky, Boston Children’s and Brigham &amp; Women’s Hospitals, Boston, MA, USA</td>
</tr>
<tr>
<td>09:15</td>
<td>GENETICS OF VALVE DISEASE</td>
<td>(Invited Lecture)</td>
<td>R. Durst, Hadassah Hebrew University Medical Center, Jerusalem, Israel</td>
</tr>
<tr>
<td>09:30</td>
<td>NHLBI WORKING GROUP RECOMMENDATIONS ON CALCIFIC AORTIC VALVE DISEASE</td>
<td>THE CHAIRMAN’S PERSPECTIVE</td>
<td>N.M. Rajamannan, Mayo Clinic, Rochester, MN, and Most Sacred Heart of Jesus Cardiology and Valvular Institute, Sheboygan WI, Corvita, Chicago IL, USA</td>
</tr>
<tr>
<td>09:45</td>
<td>FRAILTY AND CLINICAL OUTCOMES OF TRANSCATHETER AORTIC VALVE REPLACEMENT</td>
<td>(Invited Lecture)</td>
<td>A. Cheema, St. Michael’s Hospital, Toronto, ON, Canada</td>
</tr>
<tr>
<td>10:00</td>
<td>AORTIC REGURGITATION; ASSESSMENT OF ETIOLOGY &amp; SEVERITY:</td>
<td>IS IT STILL A CHALLENGE?</td>
<td>H.P. Chaliki, Mayo Clinic, Scottsdale, AZ, USA</td>
</tr>
</tbody>
</table>

Abstract No.
SATURDAY, JULY 28, 2018

08:30 – 11:00

Hall B

PL08  Plenary Session

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

Abstract No.

10:15  TRICUSPID REGURGITATION - CURRENT AND EMERGING
THERAPIES (Invited Lecture)
S. Singh
Cedars-Sinai Heart Institute, Los Angeles, CA, USA

10:30  NON-INVASIVE DIAGNOSTIC DILEMMA FOR LOW FLOW LOW
GRADIENT AORTIC STENOSIS (Invited Lecture)
S. Rasla
St Vincent Hospital, Boston, MA, USA

10:45  PRE-TAVR HYPERBILIRUBINEMIA ASSOCIATED WITH POST-TAVR
IN-HOSPITAL MORTALITY
Albany Medical College, Albany, NY, USA

11:00  COFFEE BREAK, VISIT POSTERS AND EXHIBITION
S24 Session
CARDIOVASCULAR IMAGING MODALITIES FOR EVALUATION OF CORONARY CIRCULATION, CARDIAC STRUCTURE AND FUNCTION

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

08:30  
AN ASSOCIATION BETWEEN RENAL FUNCTION ONE YEAR AFTER KIDNEY TRANSPLANT AND INCIDENTAL PERICARDIAL EFFUSION  
J. Muste, E. Pashkovetsky, S. Wang, R. Lopez-Soler, D. Conti, M. Torosoff, R. Lyubarova
Albany Medical College, Albany, NY, USA

08:45  
PARADOXICAL SINUS DECELERATIONS DURING DOBUTAMINE STRESS TESTING  
S. Vallabhaneni, R. Aurshiya, S. Agrawal, L. Stone, R. Silmi, S. Pakniyat, S. Nanda, J. Shirani
St Luke’s University Health Network, Bethlehem, PA, USA

09:00  
PEDIATRIC PATIENTS HAVE PRESERVED LEFT VENTRICULAR LONGITUDINAL STRAIN EARLY AFTER HEMATOPOIETIC STEM CELL TRANSPLANTATION DESPITE EXPOSURE TO CARDIOTOXIC AGENTS  
N. Ray Chaudhuri, C. Ebens, A. Sanchez Mejia
University of Minnesota, Saint Paul, MN, USA

09:15  
COMPARISON OF THE 2009 AND 2016 AMERICAN SOCIETY OF ECHOCARDIOGRAPHY(ASE) GUIDELINES FOR DIASTOLOGY ASSESSMENT  
S.M. Hussain, B.J. Hachey, C. Ahmed, A. Altamiranoufion, S. Danciu
Advocate Illinois Masonic Medical Center, Chicago, IL, USA

09:30  
NONINVASIVE ASSESSMENT OF CENTRAL VENOUS PRESSURE USING CONTINUOUS FLOW FROM THE INFERIOR VENA CAVA INTO RIGHT ATRIUM  
R. Ranjan, E.J. Friend, V. Figuero, G.S. Pressman, N. Schiller
Einstein Healthcare Network, Philadelphia, PA, USA

09:45  
PREVALENCE AND THE DETERMINANTS OF A-WAVE DOMINANT PATTERN IN PATIENTS WITH SEVERE MITRAL REGURGITATION  
K.R. Kolla, N. Qureshi, H.P. Chaliki
Mayo Clinic, Scottsdale, AZ, USA

10:00  
USE OF CONTRAST AGENTS TO ENHANCE IMAGE QUALITY IN 2 D ECHOCARDIOGRAPHY FOR STRAIN ANALYSIS  
I. Baig, S. Nanavaty, A. Sothwal, A. Alsaid, T. Bauch
University, Geisinger Medical Center, Danville, PA, USA

10:15  
ADVANCES IN MULTIMODALITY CARDIOVASCULAR IMAGING OF PERICARDIAL CONDITIONS (Invited Lecture)  
B. Xu, S.C. Harb, A.L. Klein
Cleveland Clinic, Cleveland, OH, USA
SATURDAY, JULY 28, 2018

08:30 – 10:45  Hall C

S24  Session  
CARDIOVASCULAR IMAGING MODALITIES FOR EVALUATION OF CORONARY CIRCULATION, CARDIAC STRUCTURE AND FUNCTION (continued)

Abstract No.

10:30  RIGHT VENTRICULAR DYSFUNCTION DIFFERS IN PATIENTS WITH IDIOPATHIC PULMONARY HYPERTENSION VS SECONDARY PULMONARY HYPERTENSION  
S. Emami, N. Samiei, A. Amin, S. Taghavi, M. Parsaei, N. Naderi, A. Serati,  
M. Movahed  
CareMore and University of Arizona, Tucson, AZ, USA

10:45  COFFEE BREAK, VISIT POSTERS AND EXHIBITION

11:15 – 13:15  Hall A

PL09  Plenary Session  
HYPERTENSION, OBESITY, DIABETES MELLITUS AND CARDIOVASCULAR DISEASE, PREVENTION, RISK REDUCTION AND TREATMENT

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

11:15  FROM THE 2017 ACC/AHA HYPERTENSION GUIDELINES (Invited Lecture)  
W.S. Aronow  
Westchester Medical Center/New York Medical College, Valhalla, NY, USA

11:30  NON-STERoidal ANTI-INFLAMMATORY DRUGS (NSAIDS): CARDIOVASCULAR EVENTS ARE RELATED PRIMARILY TO IMPACT OF NSAIDS ON BLOOD PRESSURE RATHER THAN TO COX SELECTIVITY (Invited Lecture)  
J.S. Borer, F. PRECISION Trial Executive Committee  
SUNY Downstate, New York, NY, USA

11:45  LEFT VENTRICULAR HYPERTROPHY AND HEART FAILURE IN HYPERTENSION - MOLECULAR AND CELLULAR MECHANISMS (Invited Lecture)  
C. Rosendorff  
Mount Sinai Heart, Icahn School of Medicine, and the James J. Peters VA Medical Center, New York, NY, USA
<table>
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<tr>
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<th>Abstract No.</th>
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<th>Speaker(s)</th>
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<tr>
<td>12:00</td>
<td>179</td>
<td>ROLE OF THE NOVEL ADIPOKINE IN CARDIOVASCULAR DISEASE (Invited Lecture)</td>
<td>N. Ouchi, Nagoya University Graduate School of Medicine, Nagoya, Japan</td>
</tr>
<tr>
<td>12:15</td>
<td>180</td>
<td>DOES CARDIORESPIRATORY FITNESS MODULATE THE INCIDENCE OF TYPE 2 DIABETES IN PATIENTS ON STATIN THERAPY (Invited Lecture)</td>
<td>P. Kokkinos, Veterans Affairs Medical Center and Georgetown University School of Medicine, Washington, DC, USA</td>
</tr>
<tr>
<td>12:30</td>
<td>182</td>
<td>MANAGEMENT OF METABOLIC SYNDROME AND ATHEROSCLEROSIS IN MULTIPLE MOUSE MODELS OF HUMAN TYPE II DIABETES AND HEART DISEASE (Invited Lecture)</td>
<td>S.B. Chatterjee, Johns Hopkins University, Baltimore, MD, USA</td>
</tr>
<tr>
<td>12:45</td>
<td>183</td>
<td>CARDIOVASCULAR ACTIVATION DURING SOCIALLY EVALUATED COLD-PRESSOR TEST IS ASSOCIATED WITH CHANGES IN IMMUNE FUNCTION BUT NOT WITH ACTIVATION OF STEROID STRESS HORMONES (Invited Lecture)</td>
<td>D. Jezova, K. Buzgoova, L. Balagova, D. Kapsdorfer, M. Marko, I. Riecansky, Biomedical Research Center, Slovak Academy of Sciences, Bratislava, Slovakia</td>
</tr>
<tr>
<td>13:00</td>
<td>184</td>
<td>PERINODAL ADIPOSE TISSUE PARTICIPATES IN IMMUNE PROTECTION THROUGH A LYMPHATIC VESSEL-INDEPENDENT ROUTE (Invited Lecture)</td>
<td>S. Liao, University of Calgary, Calgary, AB, Canada</td>
</tr>
<tr>
<td>13:15</td>
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<td>LUNCH BREAK, VISIT POSTERS AND EXHIBITION</td>
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PL10  Plenary Session

INTERVENTIONAL CARDIOLOGY AND CARDIAC SURGERY: CURRENT STATUS AND FUTURE DIRECTIONS

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

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<th>Institution(s)</th>
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<tbody>
<tr>
<td>11:15</td>
<td>EXPANDED USES OF INVASIVE PHYSIOLOGICAL TESTING FOR CLINICAL DECISION-MAKING IN CAD PATIENTS (Invited Lecture)</td>
<td>B.F. Uretsky</td>
<td>University of Arkansas for Medical Sciences, Little Rock, AR, USA</td>
</tr>
<tr>
<td>11:30</td>
<td>MYCOBACTERIUM CHIMAERA IN CARDIAC SURGERY (Invited Lecture)</td>
<td>L.P. Perrault, J. Tardif, P. Pagé, P. Demers, D. Roy</td>
<td>Montreal Heart Institute, Montreal, QC, Canada</td>
</tr>
<tr>
<td>11:45</td>
<td>OCT-GUIDED PCI: PRESENT STATUS AND FUTURE PERSPECTIVES (Invited Lecture)</td>
<td>T. Akasaka</td>
<td>Wakayama Medical University, Wakayama, Japan</td>
</tr>
<tr>
<td>12:00</td>
<td>DIFFERENT MODULATION OF MIRNA BY CLOPIDOGREL AND TICAGRELOR IN PATIENTS WITH NSTEMI (Invited Lecture)</td>
<td>L. Biasucci, C. Mandolini, M.C. Grimaldi, G. Larosa</td>
<td>Catholic University of Rome, Rome, Italy</td>
</tr>
<tr>
<td>12:15</td>
<td>THE RATIONALE FOR PERCUTANEOUS MECHANICAL CIRCULATORY SUPPORT IN CARDIOGENIC SHOCK AND PROTECTED PCI (Invited Lecture)</td>
<td>R. Sachdeva</td>
<td>Morehouse School of Medicine, Atlanta, GA, USA</td>
</tr>
<tr>
<td>12:30</td>
<td>CLINICAL FEASIBILITY OF A FULLY AUTOMATED 3D RECONSTRUCTION OF ROTATIONAL CORONARY X-RAY ANGIOGRAMS (Invited Lecture)</td>
<td>J.A. Garcia Fernandez</td>
<td>Orlando Health, Orlando, FL, USA</td>
</tr>
<tr>
<td>12:45</td>
<td>THE DISTAL LEFT RADIAL ARTERY ACCESS FOR CORONARY ANGIOGRAPHY AND INTERVENTION: A NEW ERA (Invited Lecture)</td>
<td>A. Lotfi</td>
<td>Medical Center, Springfield, MA, and Baystate Medical Center, Springfield, MA, USA</td>
</tr>
<tr>
<td>13:00</td>
<td>DEVELOPMENT OF A NOVEL AUTOLOGOUS HEART VALVE</td>
<td>Y. Takewa, Y. Nakayama, J. Shimamura, E. Tatsumi</td>
<td>National Cerebral and Cardiovascular Center, Osaka, Japan</td>
</tr>
<tr>
<td>13:15</td>
<td>A NOVEL CONCEPT IN REPAIR OF TETRALOGY OF FALLOT: PULMONARY ANNULUS Z-SCORE MAY NOT BE THE DETERMINANT FOR TRANSANNULAR PATCH ENLARGEMENT</td>
<td>X. Jiang, Q. Wang</td>
<td>Peking Union Medical College, Fuwai Hospital, National Center for Cardiovascular Diseases and Chinese Academy of Medical Sciences, Beijing, China</td>
</tr>
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<td>13:30</td>
<td>LUNCH BREAK, VISIT POSTERS AND EXHIBITION</td>
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SATURDAY, JULY 28, 2018

11:15 - 13:30  Hall C

**S25** CELLULAR, MOLECULAR AND GENETIC MECHANISMS OF CARDIOVASCULAR DISEASE

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

**11:15**  CONGENITAL HEART ABNORMALITIES ASSOCIATED WITH LOSS OF FUNCTION FILAMIN A GENE MUTATIONS  
**M. Chen**, M. Hirata, C. Walsh, S. Choudhury  
Boston Children’s Hospital, Boston, MA, Boston, MA, USA

**11:30**  POLYGENIC RISK FOR DEPRESSION INCREASES RISK FOR ISCHEMIC STROKE: FROM THE STROKE GENETICS NETWORK (SIGN) STUDY  
**S. Wassertheil-Smoller**  
Albert Einstein College of Medicine, New York, NY, USA

**11:45**  MITOPHAGY PLAYS A PROTECTIVE ROLE IN THE DIABETIC MOUSE HEART  
**F. Zhao**, S. Kobayashi, T. Kobayashi, Y. Huang, Y. Zhang, Q. Liang  
New York Institute of Technology, New York, NY, USA

**12:00**  EXOME SEQUENCING AND FUNCTIONAL ANALYSIS FOR PATIENTS WITH EARLY ONSET CARDIAC CONDUCTION-SYSTEM DISEASES  
**K. Hayashi**, A. Nomura, Y. Asano, M. Beerens, Y. Kurata, N. Fujino, H. Tada, C. MacRae, S. Takashima, M. Yamagishi  
Kanazawa University Graduate School of Medicine, Kanazawa, Japan

**12:15**  AGE-RELATED DOWNREGULATION OF SIRT6/NRF2 SIGNAL CONTRIBUTES TO THE DECREASED HEART ISCHEMIC TOLERANCE IN OLDER MICE  
**D. Han**, J.-W. Chen, F. Cao, Chinese PLA General Hospital, Beijing, China

**12:30**  EXOGENOUS GDF11 PROTECTS AGAINST MYOCARDIAL ISCHEMIA-REPERFUSION INJURY VIA ATTENUATION OF TGF-β SIGNALING PATHWAY  
**H. Su**, J.-C. Yen, S.-S. Huang, National Yang-Ming University, Taipei, Taiwan

**12:45**  SUBPROTEOMIC ANALYSIS OF CARDIOMYOPATHIC CHANGES IN X-LINKED MUSCULAR DYSTROPHY  
S. Murphy, M. Zweyer, R.R. Mundegar, D. Swandulla, **K. Ohlendieck**  
Maynooth University, Maynooth, Ireland

**13:00**  ALLICIN DISRUPTS CARDIAC CAV1.2 CHANNELS VIA TRAFFICKING  
**D. Han**, J. Sun, X. Sun, P. Liu, Y. Liu  
The First Affiliated Hospital of Xi’an Jiaotong University, Xi’an, China

**13:15**  A NOVEL CACNATC MUTATION IN A CHINESE FAMILY WITH BRUGADA SYNDROME  
**M. Cao**, D. Han, C. Sun, J. Wu, J. Sun, G. Li  
The First Affiliated Hospital of Xi’an Jiaotong University, Xi’an, China

**13:30**  LUNCH BREAK, VISIT POSTERS AND EXHIBITION
**P301  NON-INVASIVE CARDIAC IMAGING, NUCLEAR CARDIOLOGY AND ECHOCARDIOGRAPHY**

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<tr>
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<td>204</td>
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| POINT-OF-CARE ULTRASOUND IN CARDIAC ARREST: A REVIEW OF THE ASSESSMENT OF CARDIAC MOTION IN THE SETTING OF CARDIAC ARREST | W. Ciozda, A. Kimchi, I. Kedan  
David Geffen School of Medicine at UCLA, Los Angeles, CA, USA |

| 2         | 205          |
| THREE-DIMENSIONAL SPECKLE TRACKING ECHOCARDIOGRAPHIC EVALUATION OF BIVENTRICULAR FUNCTION IN ADOLESCENTS AND YOUNG ADULTS WITH HUMAN IMMUNODEFICIENCY VIRUS INFECTION ACQUIRED IN EARLY LIFE | L. Capotosto, G. D’Ettorre, N. Cavallari, C. Ajassa, M. Ciardi, G. Placanica, V. Vullo, C. Gaudio, A. Vitarelli  
Sapienza University, Cardiology and Infectious Diseases Depts, Rome, Italy |

| 3         | 206          |
| UTILIZATION OF ECHOCARDIOGRAPHY IN PULMONARY EMBOLISM: A GROUND REALITY | H. Lodhi, M. Waqas, M. Khan, H. Shafiq, I. Achebe, A. Shafiq  
Baptist Memorial Medical Group, Southaven, MS, USA |

| 4         | 207          |
| THREE-DIMENSIONAL SPECKLE-TRACKING ECHOCARDIOGRAPHIC ASSESSMENT OF RIGHT VENTRICULAR FUNCTION IN OBSTRUCTIVE SLEEP APNEA - EFFECTS OF CPAP THERAPY | L. Capotosto, E. Mangieri, M. Pergolini, M. Saponara, C. Gaudio, A. Vitarelli  
Sapienza University, Rome, Italy |

| 5         | 208          |
| ECHOCONTRAST INDUCED ANGIOEDEMA | R. Samannan, M.A. Arif, U. Bhatti, E. Munzinger, S. Mathew  
University of Oklahoma, Oklahoma City, OK, USA |

| 6         | 209          |
| VASODILATOR STRESS TESTING WITH NUCLEAR PERFUSION IMAGING: A POOR MODALITY FOR EVALUATION OF CORONARY ARTERY DISEASE IN PATIENTS WITH LEFT BUNDLE BRANCH BLOCK | K. Gu, A. Kaneria, N. Parikh, P. Sharedalal, S. Cho  
Drexel University College of Medicine, Philadelphia, PA, USA |

| 7         | 210          |
| AN UNEXPECTED ECHOCARDIOGRAPHIC FINDING: RIGHT CORONARY ARTERY TO RIGHT ATRIAL FISTULA | J.R. Martinez-Parachini, M. Khattab, D. Gilada, I. Javed, L. Size, P. Lozano  
University of Oklahoma HSC, Oklahoma City, OK, USA |

| 8         | 211          |
| A CASE OF SEVERE ASTHMA EXACERBATION COMPLICATED BY REVERSE TAKOTSUBO CARDIOMYOPATHY IN AN ADULT | S.A. Haidry, H.A. Cooper, W.S. Aronow  
Westchester Medical Center, Valhalla, NY, USA |

| 9         | 212          |
| LOEY DIETZ SYNDROME AS A RARE Cause OF CORONARY ANEURYSMS | O. Aqtash, Y. Jawaid, A. Amro, K. Mansoor, L. Dial  
Marshall University, Huntington, WV, USA  
Dartmouth Hitchcock Medical Center, Lebanon, NH, USA |
### P302 PRIMARY PREVENTION OF CARDIOVASCULAR DISEASE: ASSESSMENT AND MANAGEMENT OF RISK FACTORS, LIFESTYLE CHANGES

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<th>Board No.</th>
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| HEALTHY LIFESTYLE FACTORS AND RISK OF ABDOMINAL AORTIC ANEURYSM IN THE PHYSICIANS’ HEALTH STUDY |
| R. Singh, V. Bodar, J. Chen, L. Wang, H.D. Sesso, J.M. Gaziano, L. Djoussé Brigham & Women’s Hospital, Boston, MA, USA |

| TARGETED SCREENING OF THE ASSOCIATIONS BETWEEN CANDIDATE GENES AND ALCOHOL CONSUMPTION IN A HIGH CARDIOVASCULAR RISK POPULATION |
| O. Coltell, E.M. Asensio, J.V. Sorlí, J.I. Gonzalez, J.B. Ramírez-Sabio, D. Corella Universitat Jaume I, Castellon, Spain |

| COMPARISON BETWEEN STRICT CONTROL OF RISK FACTORS AND STANDARD CONTROL IN PREVENTION OF ARTERIOSCLEROSIS |
| T.J. Matsubara, E. Matsubara, J. Suzuki, T. Tomaru The University of Tokyo, Tokyo, Japan |

| IMPROVING THE CARDIOVASCULAR HEALTH OF PRESCHOOLERS IN A CHILDCARE SETTING |
| R. Natale University of Miami School of Medicine, Miami, FL, USA |

| CAFFEINE INDUCED MYOCARDIAL INFARCTION |
| A.C. Atanda, E. Mbey, F. Ogundipe, D. Ugwendum, S. Folaranmi, V. Mallipeddi, J. Henry, B. Curry Howard University Hospital, Washington, DC, USA |

### P303 STABLE ISCHEMIC HEART DISEASE

| PREDICTORS OF IN-HOSPITAL MORTALITY AMONG SYSTEMIC LUPUS ERYTHEMATOUS PATIENTS WITH ACUTE MYOCARDIAL INFARCTION RESULTS FROM A LARGE NATIONAL DATABASE |
| O. Ola, O. Olorunfemi, A. Akinlonu, T.O. Mene-Afejuku, R. Ojo, O. Akinboro Mayo Clinic Health System, LaCrosse, WI, USA |

| COLON CANCER LATERALITY IS ASSOCIATED WITH ATHEROSCLEROSIS AND CORONARY ARTERY DISEASE |

| RISK FACTOR ANALYSIS FOR PATIENTS WITH SLOW CORONARY FLOW |
| M. Katsnelson, M. Bhalja, J. Diez Baylor College of Medicine, Houston, TX, USA |
## SATURDAY, JULY 28, 2018

### 08:00 – 13:00  | Poster Hall

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<th>Board No.</th>
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<tr>
<td>18</td>
<td>PREVALENCE OF CORONARY CALCIFICATION ON CT IN PATIENTS WITH ATRIAL FIBRILLATION</td>
<td>221</td>
<td>B.P. Schwartz, Albany Medical College, Albany, NY, USA</td>
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<td>19</td>
<td>CLINICAL IMPLICATIONS OF microRNA SCORE IN DISCRIMINATING VASOSPASTIC ANGINA FROM Atherosclerotic ANGINA OR NON-CORONARY CHEST PAIN</td>
<td>222</td>
<td>H.-Y. Lee, Seoul National University Hospital, Seoul, Republic of Korea</td>
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<td>ASIAN-INDIANS: A REVIEW OF CORONARY ARTERY DISEASE IN THIS UNDERSTUDIED COHORT IN THE UNITED STATES</td>
<td>223</td>
<td>A. Sharma, D.R. Ardeshna, T. Bob-Manuel, A. Nanda, U. Ashraf, J. Kelly, R.N. Khouzam, University of Tennessee Health Science Center, Memphis, TN, USA</td>
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<td>21</td>
<td>INTERVENTIONAL DECISION MAKING WITH FRACTIONAL FLOW RESERVE FOR CULPRIT LESIONS ASSOCIATED WITH LEFT ANTERIOR DESCENDING ARTERY MYOCARDIAL BRIDGE</td>
<td>224</td>
<td>H. Patel, S. Kumar, N.L. Ko Ko, J. John, P. Mathias, University of Central Florida College of Medicine/HCA GME Consortium, Kissimmee, FL, USA</td>
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<td>22</td>
<td>SHOULD SARCOIDOSIS BE CONSIDERED A RISK FACTOR FOR DEVELOPMENT OF PREMATURE CORONARY ARTERY DISEASE: A CASE OF 40-YEAR OLD FEMALE WITH CORONARY DISEASE AND SARCOIDOSIS</td>
<td>225</td>
<td>M. Rodriguez Ziccardi, S. Basharat, O. Maludum, Einstein Medical Center, Philadelphia, PA, USA</td>
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<td>23</td>
<td>AN UNUSUAL CASE OF ACUTE MYOCARDIAL INFARCTION WITH NORMAL CORONARY ARTERIES</td>
<td>226</td>
<td>S. Khare, E.S. Karreci, J. Aoun, L. Tsao, St. Elizabeth Medical Center/Tufts University School of Medicine, Brighton, MA, USA</td>
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### P304 HEART DISEASE IN WOMEN

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

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ABNORMAL COGNITIVE FUNCTION IN ELDERLY PATIENTS WITH HEART FAILURE  
*C. Techorueangwiwat*, A. Ariyachaipanich  
Chulalongkorn University, Bangkok, Thailand

EXAMINING VARIATIONS IN STROKE RISK FACTORS AND HOSPITAL COST BY AGE AND GENDER IN CALIFORNIA  
*B. Husaini*  
Tennessee state University, Nashville, TN, USA

PREVALENCE AND CONTROL OF HYPERTENSION IN THE ELDERLY: RESULTS FROM CHINA HYPERTENSION SURVEY, 2012-2015  
National Center of Cardiovascular Disease, FU WAI Hospital PUMC & CAMS, Beijing, China

**P306 MISCELLANEOUS**

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LOW RISK PULMONARY EMBOLISM PATIENTS CAN BE DISCHARGED FROM EMERGENCY DEPARTMENT: A META-ANALYSIS  
*A. H. Malik*  
Westchester Medical Center, Harriman, NY, USA

GENERATING BIG DATA OF CARDIOVASCULAR RISK FACTORS THROUGH GEOTAGGED TWITTER MINING  
*J. Lee*, J. Sung  
Jackson State University, Madison, MS, USA

ACUTE PANCREATITIS MIMICKING ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION IN A PATIENT WITH SYNCOPE  
*A. Agrawal*, J. Penalver, N. Sayyida, M. Rodriguez  
Albert Einstein Medical Center, Philadelphia, PA, USA

TRANSIENT PULSUS ALTERNANS IN A MINIATURE PINSCHER WITH PULMONIC STENOSIS  
*W.A. Ware*, S. Murphy, A. Cheney  
iowa State University, Ames, IA, USA
PL11  Plenary Session
CARDBIOVASCULAR DISEASE: DIFFERENT STRATEGIES FOR PRIMARY AND SECONDARY PREVENTION

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

14:00  FASTING IS NOT NECESSARY FOR LIPID TESTING:  
NIHIL PER OS NON IAM (Invited Lecture)  
S. Mora  
Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA

14:15  ASPIRIN IN THE PRIMARY PREVENTION OF CARDBIOVASCULAR DISEASE: NEED FOR INDIVIDUAL CLINICAL JUDGMENTS (Invited Lecture)  
Charles E. Schmidt College of Medicine, Florida Atlantic University, Boca Raton, FL, USA

14:30  OPTIMIZING STATIN UTILIZATION AND TREATMENT ADHERENCE AMONG PATIENTS WHO DISCONTINUE STATINS DUE TO ADVERSE MUSCLE EVENTS - A PERSONALIZED APPROACH (Invited Lecture)  
R.S. Rosenson  
Icahn School of Medicine at Mount Sinai, New York, NY, USA

14:45  LIFE SIMPLE SEVEN AND INCIDENCE OF CORONARY ARTERY DISEASE: THE MILLION VETERAN PROGRAM (Invited Lecture)  
L. Djousse, Harvard Medical School, Boston, MA, USA

15:00  TESTOSTERONE AND CARDBIOVASCULAR DISEASE (Invited Lecture)  
J. Shirani, St. Luke’s University Health Network, Bethlehem, PA, USA

15:15  UPDATE ON PREOP EVALUATION OF PATIENTS UNDERGOING NON-CARDIAC SURGERY (Invited Lecture)  
M. Movahed, CareMore and University of Arizona, Tucson, AZ, USA

15:30  HEARTFUL LIVING: PROGRAM FOR IMPROVING HEALTH & LIFESTYLE THROUGH SELF-AWARENESS (Invited Lecture)  
A. Chockalingam  
University of Missouri, Columbia, MO, USA

15:45  CARDBIOVASCULAR DISEASE RISK AND MENOPAUSE: WHAT HAVE WE LEARNED FROM SWAN? (Invited Lecture)  
S.R. El Khoudary  
Graduate School of Public Health University of Pittsburgh, Pittsburgh, PA, USA

16:00  SEX DIFFERENCES IN EXERCISE DURATION TIME AND RISK OF CARDBIOVASCULAR DISEASE EVENTS IN HEALTHY ADULTS (Invited Lecture)  
R. Herscovici, E. Maor, J. Mirocha, I. Goldenberg, S. Segev, Y. Charuzi  
Cedars-Sinai Smidt Heart Institute, Los Angeles, CA, USA

16:15  COFFEE BREAK, VISIT EXHIBITION
PL12 Plenary Session

VASCULAR BIOLOGY OF ATHEROSCLEROSIS: ROLE IN DISEASE PATHOGENESIS AND AS A THERAPEUTIC TARGET

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

14:00 MODULATION OF INFLAMMATORY VASCULITIS (IVS) AND ANTI-INFLAMMATORY TREATMENT BY THE GUT MICROBIOTA – A MOUSE HERPESVIRUS IVS MODEL (Invited Lecture)
A. Lucas, J.R. Yaron, S. Ambadapadi, L. Zhang
Biodesign Institute, Arizona State University, Tempe, Arizona, USA

14:15 DOWNREGULATION OF ENDOTHELIAL BETA-2 SPECTRIN BY INCREASED PLAQUE STIFFNESS INDUCES A LEAKY VESSEL PHENOTYPE IN ATHEROSCLEROTIC PLAQUE MICROVASCULATURE (Invited Lecture)
E.A. Biessen, Maastricht University, Maastricht, Netherlands

14:30 WHAT IF WE HAD A GOOGLE MAP OF THE HUMAN VASCULATURE (Invited Lecture)
Z.S. Galis, National Institutes of Health, Bethesda, MD, USA

14:45 CARDIOVASCULAR AGING AND BIOLOGICAL PATHS TO RESILIENCE (Invited Lecture)
S. Cheng, Brigham and Women’s Hospital, Boston, MA, USA

15:00 DISTINCT ROLES OF CALCIUM & CYCLIC AMP IN ANGIOTENSIN II-INDUCED EXPRESSION OF EARLY GROWTH RESPONSE FACTOR-1 (EGR-1) IN VASCULAR SMOOTH MUSCLE CELLS (Invited Lecture)
A.K. Srivastava, CRCHUM, University of Montreal, Montreal, QC, Canada

15:15 TURNING TRASH TO TREASURE: TARGETING NON-CODING RNAS TO CONTROL ATHEROSCLEROSIS (Invited Lecture)
M.W. Feinberg
Brigham and Women’s Hospital/Harvard Medical School, Boston, MA, USA

15:30 THE HYDROGEL-ENCAPSULATED T0901317 REDUCES ATHEROSCLEROSIS WITHOUT EFFECT ON LIPOGENESIS IN APOE DEFICIENT MICE (Invited Lecture)
C. Ma, K. Feng, X. Yang, Y. Chen, Q. Li, Z. Yang, Y. Duan, J. Han
Nankai University, Tianjin, China

15:45 LYSOSOMAL CYSTEINE PROTEASES AND DISTURBANCES OF THEIR REGULATION IN ATHEROSCLEROSIS (Invited Lecture)
T.A. Korolenko, T.P. Johnston, A.B. Shintyapina
Institute of Physiology and Basic Medicine, Novosibirsk, Russia

16:00 COFFEE BREAK, VISIT EXHIBITION
SATURDAY, JULY 28, 2018

14:00 – 17:00

Hall C

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

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

14:00 PACEMAKER/ICD IN THE MRI ENVIRONMENT; BEYOND THE MAGNASAFE TRIAL  (Invited Lecture )

Allegheny General Hospital, Pittsburgh, PA, USA

14:15 THERAPEUTIC HYPOTHERMIA IN CARDIAC ARREST SURVIVORS WITH PRE-EXISTING CONGESTIVE HEART FAILURE IS NEPHROPROTECTIVE

Wake Forest Baptist Health, Winston Salem, NC, USA

14:30 INFLUENCE OF ANTICOAGULATION ON STROKE AND MORTALITY RATES IN A SUBSET OF PATIENTS WITH ATRIAL FIBRILLATION: REAL WORLD OUTCOMES FROM REVIEW OF A LARGE ELECTRONIC DATABASE

E.A. Bucklew, R. Bazaz, S. Koscumb, O. Marroquin, S. Saba, S. Jain, E. Adelstein
University of Pittsburgh Medical Center, Pittsburgh, PA, USA

14:45 ANALYSIS OF REMOTE MAGNETIC CATHETER NAVIGATION SYSTEMS USE FOR ABLATION PROCEDURES OVER TIME

E. Aziz, O. Reynbakh, I. Khan, S. Sadiq, N. Souvaliotis, J. Aziz, A. Malinay, P. Boktor, D. Mehta
Mount Sinai St Luke’s and Mount Sinai West Hospitals, New York, NY, USA

15:00 TEMPERATURE INTOLERANCE AS A COMMON SYMPTOM IN POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME

Cardiology, The Heartbeat Clinic, McKinney, TX, USA

15:15 PREVALENCE OF PAROXYSMAL SUPRAVENTRICULAR TACHYCARDIA (PSVT) IN THE UNITED STATES IN PATIENTS UNDER 65 YEARS OF AGE

N.C. Sacks, P.L. Cyr, S. Bariahtaris, A. Sharma, S.G. Green, P. Douville, J.N. Ruskin
Precision Xtract, Boston, MA, USA

15:30 BOTH BYSTANDER’S OWN AND DISPATCHER-ASSISTED RESUSCITATION EFFORTS ARE DEPRESSED DURING NIGHTTIME IN OUT-OF-HOSPITAL CARDIAC ARRESTS WITNESSED BY NON-FAMILY BYSTANDERS

H. Inaba, A. Yamashita, Y. Wato, T. Maeda
Kanazawa University Graduate School of Medicine, Kanazawa, Japan
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<tr>
<td>15:45</td>
<td>OUTCOMES OF CATHETER ABLATION OF ATRIAL FIBRILLATION IN PATIENTS WITH DIABETES MELLITUS</td>
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<td>M. Bengaluru Jayanna, A.M. Mohsen, G. Palamaner Subash Shantha, C.J. Dezorzi, M.C. Giudici</td>
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<td>University of Iowa Hospitals and Clinics, Iowa City, IA, USA</td>
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<td>16:00</td>
<td>THE ASSOCIATION BETWEEN PLASMA BIG ENDOTHELIN-1 LEVELS AT ADMISSION AND LONG-TERM OUTCOMES IN PATIENTS WITH ATRIAL FIBRILLATION</td>
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<td>S. Wu, Y.M. Yang, S. Wu, Y.M. Yang, S. Wu, Y.M. Yang</td>
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<td>National Center for Cardiovascular Diseases, Fuwai Hospital, Beijing, China</td>
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<td>16:15</td>
<td>A BENEFIT OF IMPELLA DEVICE IN ABLATION OF SCAR RELATED VENTRICULAR TACHYCARDIA</td>
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<td>N.L. Ko Ko, U. Batnyam, U.R. Siddiqui</td>
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<td>University of Central Florida, Orlando, FL, USA</td>
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<td>16:30</td>
<td>NON-SUSTAINED AND INDUCIBLE SUSTAINED VENTRICULAR TACHYCARDIA IN PACEMAKER PATIENTS</td>
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<td>Y. Hanna, M. Arulthasan, W.-C. Sheu, D.A. Bloomfield</td>
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<td>Richmond University Medical Center, Staten Island, NY, USA</td>
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<td>16:45</td>
<td>PURKINJE-FIBER MEDIATED VENTRICULAR ECTOPY INDUCED VF STORM FOLLOWING ANTERIOR WALL MYOCARDIAL INFARCTION</td>
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<td>E. Pagan, A. Alam, A. Aboyme, G. Siroky, W. Kostis, J. Coromilas, J. Kassotis, A. Saluja</td>
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<td>Rutgers - Robert Wood Johnson University Hospital, New Brunswick, NJ, USA</td>
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<td>17:00</td>
<td>COFFEE BREAK, VISIT EXHIBITION</td>
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SATURDAY, JULY 28, 2018

16:45 – 19:30  
Hall A

S27  
Session  
CARDIOVASCULAR DISEASE PREVENTION AND RISK MANAGEMENT

Chairs:  
L. Djousse, Boston, MA, USA  
S. Mora, Boston, MA, USA

16:45  
ASSOCIATION BETWEEN 2017 HIGH BLOOD PRESSURE CLINICAL PRACTICE GUIDELINE NEWLY-DEFINED HYPERTENSION AND CHANGE IN BLOOD PRESSURE ON CARDIOVASCULAR DISEASE AMONG YOUNG ADULTS  
J. Son, S. Choi, K. Kim, S. Kim, G. Lee, S.-M. Jeong, S. Park, Y.-Y. Kim, J.-M. Yun, S. Park  
Seoul National University, Seoul, Republic of Korea

17:00  
PREFERABLE EFFECTS OF AMLODIPINE/DIURETICS TO AMLODIPINE/TELMISARTAN ON VISIT-TO-VISIT VARIABILITY OF BLOOD PRESSURE IN HIGH-RISK HYPERTENSIVE PATIENTS  
Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy of Medical Science and Peking Union Medical College, Beijing, China

17:15  
MOODINESS AND DEPRESSIVE SYMPTOMS IN ADOLESCENCE PREDICTS OBESITY AND HYPERTENSION IN ADULTHOOD  
K. Anand, S. Srinivas, S. Rajendran, A. Chockalingam  
University of Missouri, Columbia, MO, USA

17:30  
PREDICTORS OF HIGH ON-ASPIRIN PLATELET REACTIVITY IN CHINESE ELDERLY PATIENTS  
Peking University First Hospital, Beijing, China

17:45  
PREVENT AND INTERCEPT AMI (ACUTE MYOCARDIAL INFRACTION) RISK WITH AN ARTIFICIAL INTELLIGENT SYSTEM  
L. Ma, L. Tao, C.W. Ma, Y. Ge, M. Han, G. Li, L. Ma, Z. Wu, P. Yu, Y. Yang  
Beijing Yiwan Technologies, Beijing, China

18:00  
ASSOCIATION BETWEEN AIR POLLUTION AND CARDIOVASCULAR DISEASES DURING DUST STORMS IN TAIWAN  
H.-R. Guo, S.-W. Yang  
National Cheng Kung University, Tainan, Taiwan

18:15  
CARDIOVASCULAR SAFETY AND POTENTIAL BENEFIT OF 5-ALPHA REDUCTASE INHIBITOR USE AMONG MALES AND BPH PATIENTS, A KOREAN NATIONAL COHORT  
J. Chang, S. Park  
Seoul National University Graduate School, Seoul, Republic of Korea
### S27 Session
CARDIOVASCULAR DISEASE PREVENTION AND RISK MANAGEMENT (continued)

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<tr>
<td>18:30</td>
<td>CARDIOVASCULAR DISEASE IN HIV INFECTED PATIENTS – A RETROSPECTIVE REVIEW AT A SINGLE CENTER IN MIAMI</td>
<td>G. Zablah, F. Pyarali, R. Iordanov, T. Haque, R. Parmar, C. Martinez</td>
<td>University of Miami/Jackson Memorial Hospital, Miami, FL, USA</td>
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<tr>
<td>18:45</td>
<td>THE ROLE OF THE CARDIOLOGIST IN THE PREOPERATIVE EVALUATION OF THE BARIATRIC SURGERY PATIENT</td>
<td>L.A. Bucklew, E.A. Bucklew</td>
<td>University of Pittsburgh Medical Center, Pittsburgh, PA, USA</td>
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<td>19:00</td>
<td>ASSOCIATION BETWEEN SMOKELESS-TOBACCO USE AND CARDIOVASCULAR DISEASE: AN ANALYSIS OF THE 2015 BRFSS DATA</td>
<td>P. Ndunda, D. Rakestraw</td>
<td>University of Kansas School of Medicine - Wichita, Wichita, KS, USA</td>
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<td>19:15</td>
<td>IDEAL CARDIOVASCULAR HEALTH STATUS AND RISK OF CARDIOVASCULAR DISEASE OR ALL-CAUSE MORTALITY IN A CHINESE MIDDLE AGED POPULATION</td>
<td>Y. Dong, G. Hao, Z. Wang, X. Wang, Z. Chen, L. Zhang</td>
<td>NCCD, Fuwai Hospital, Pecking Union Medical College, CAMS, Beijing, China</td>
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S28  

SATURDAY, JULY 28, 2018

16:45 – 19:15 Hall B

S28  Session

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

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

Abstract No.

16:45  BETA3-ADRENERGIC RECEPTOR BLOCKADE BY APD418 ENHANCES CARDIAC POSITIVE INOTROPIC AND LOSITROPIC RESPONSES TO DOBUTAMINE IN HEART FAILURE ASSESSMENT BY PRESSURE-VOLUME ANALYSIS
Wake Forest School of Medicine, Winston-Salem, NC, USA

17:00  NOVEL HEART FAILURE PROTOCOL DRAMATICALLY REDUCES HOSPITAL READMISSIONS FROM SKILLED NURSING FACILITIES
N.J. Trivedi, K. Duffy, J. Bander, A. Ali, R. Bhandari
Mount Sinai Hospital System, New York, NY, USA

17:15  ELEVATED SERA SST2 PREDICTS HEART FAILURE IN MEN UNDER THE AGE OF 50 WITH CLINICAL SUSPECTED MYOCARDITIS
Mayo Clinic, Jacksonville, FL, USA

17:30  A STUDY TO IDENTIFY THE PREDICTORS OF RE-ADMISSIONS IN PATIENTS WITH CONGESTIVE HEART FAILURE IN MINORITY POPULATION IN AN INNER-CITY HOSPITAL
S. Hanif, P. Kakarla, N. Bhalodkar, A. Zhang, G. Kamalakannan
Bronx Lebanon Hospital Center, Bronx, NY, USA

17:45  ASSOCIATION BETWEEN CHRONIC KIDNEY DISEASE AND READMISSION RATE IN PATIENTS HOSPITALIZED WITH HEART FAILURE
R. Alreshq, H. Patel, S. Purga, S. Fein, E. Philbin, M. Torosoff, R. Lyubarova
Albany Medical College, Albany, NY, USA

18:00  PREVALENCE OF COGNITIVE IMPAIRMENT AND EFFECT ON REHOSPITALIZATION IN PATIENT WITH ACUTE HEART FAILURE
J. Kewcharoen, C. Techorueangwiwat, W. Laosanguanek, T. Tiensuntisook, A. Ariyachaipanich
Chulalongkorn University, Bangkok, Thailand

18:15  ASSESSING THE COMPONENTS OF THE NEWLY REPORTED ASA SCORE
Rutgers - Robert Wood Johnson University Hospital, Rahway, NJ, USA
T.S. Davies, H. Gallagher, F. Jaafar, J.W. Moss, T.R. Hughes, D.P. Ramji
School of Biosciences, Cardiff University, Cardiff, UK
S28 Oral Session
HEART FAILURE: NOVEL RISK FACTORS, PREDICTORS, NEW TREATMENT OPTIONS AND OUTCOME (continued)

18:30 VALIDATION OF THE ARABIC VERSION OF THE MINNESOTA LIVING WITH HEART FAILURE QUESTIONNAIRE
S. Noureddine, M. Zahwe, H. Isma’eel, H. Tamim, A. Al Hajje, S. Rachidi, H. Skouri
American University of Beirut, Beirut, Lebanon

18:45 CONTEMPORARY RETROSPECTIVE REVIEW OF HEART FAILURE READMISSIONS AT AN ACADEMIC MEDICAL CENTER
M. Almnajam, M. Ghanim, G. Yesodharan, M. Afari, L. Tsao
St Elizabeth’s Medical Center, Boston, MA, USA
Ain Shams University, Cairo, Egypt

19:00 PREDICTORS OF HYPERBILIRUBINEMIA AMONG PATIENTS WITH NON-ISCHEMIC HEART FAILURE AND PROGNOSTIC IMPLICATIONS
New York Medical College, Metropolitan, New York, NY, USA
Cardiff Metropolitan University, Cardiff, UK
**SATURDAY, JULY 28, 2018**

**S29**  
**Session**  
DIAGNOSIS AND MANAGEMENT OF AORTA AND PERIPHERAL VASCULAR DISEASES

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

**17:00**  
DO EMERGENCY MEDICAL SERVICE SYSTEMS PROPERLY ASSESS THE RISK OF ACUTE AORTIC SYNDROME AND TRANSPORT THE PATIENTS TO THE RIGHT HOSPITALS? IMPACT OF EMS ASSESSMENT AND TRANSPORTATION IN OUTCOMES  
**H. Inaba**, A. Yamashita, Y. Yoshita, Y. Wato  
Kanazawa University Graduate School of Medicine, Kanazawa, Japan

**17:15**  
National Center of Cardiovascular Disease, FU WAI Hospital PUMC & CAMS, Beijing, China

**17:30**  
PROFILES OF PERIPHERAL ARTERIAL DISEASE INTERVENTIONS IN A NETWORK OF FREESTANDING OUTPATIENT CLINICS  
National Cardiovascular Partners, Houston, TX, USA

**17:45**  
NOVEL MURINE DEEP VENOUS THROMBOSIS (DVT) MODEL ENABLES REAL-TIME IN VIVO IMAGING OF CLINICALLY RELEVANT DVT  
Kobe University Graduate School of Medicine, Kobe, Japan

**18:00**  
METABOLIC BIOMARKERS OF CAROTID ATHEROSCLEROSIS IN CHINESE MIDDLE-AGED AND ELDERLY MEN  
**W. Liu**, M. Liu, Y. Yang, Y. Liu  
Peking University First Hospital, Beijing, China

**18:15**  
HIGH PREVALENCE OF INTERNAL ELASTIC LAMINA CALCIFICATION IN AN ELDERLY POPULATION: A CADAVERIC STUDY  
**J.D. Davido**, D. Moussouros, H.J. Begmatov, S. Cheema, A. Sherwani, Z. Ghani, K. Damiris, B.L. Beatty, M.M. Plummer, O.V. Savinova  
NYIT College of Osteopathic Medicine, Old Westbury, NY, USA

Mayo Clinic, Rochester, MN, USA
# SATURDAY, JULY 28, 2018

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| 1 | THE LEFT ATRIAL APPENDAGE FRACTAL DIMENSION IN ATRIAL FIBRILLATION  
Thomas Jefferson University Hospital, Philadelphia, PA, USA |
| 2 | AGREEMENT BETWEEN A MEDTRONIC PACEMAKER AND LINQ IN REPORTING PAROXYSMAL ATRIAL FIBRILLATION  
**J. Kneller**  
Astria Heart Institute, Yakima, WA, USA |
| 3 | PULMONARY VEIN STENOSIS AFTER RADIOFREQUENCY ABLATION FOR ATRIAL FIBRILLATION  
**G. Li, J. Sun, D. Han, J. Wu, C. Sun, L. Xu**  
The First Affiliated Hospital of Xi’an Jiaotong University, Xi’an, China |
| 4 | THE BLEB THAT BLED, A HITHERTO UNREPORTED CASE OF HEMOTHORAX OCCURRING AS A COMPLICATION OF ELECTRODE CATHETER ABLATION TO TREAT ATRIAL FIBRILLATION  
**H.E. Matos Santana, S. Winters, D. Markley, C. Fabrizio**  
Morristown Medical Center, Morristown, NJ, USA |
| **P402** SUDDEN DEATH, ARRHYTHMIAS AND DEVICE THERAPY |
| 5 | PREDICTION OF “SUPER-RESPONSE” TO CARDIAC RESYNCHRONIZATION THERAPY BY SURFACE ECG FINDINGS IN PATIENTS WITH LEFT BUNDLE BRANCH BLOCK - A PILOT STUDY  
**N. Kocovic, J. Newland, A. Carleen, M. DeCaro, B. Pavri**  
Sidney Kimmel Medical College, Philadelphia, PA, USA |
| 6 | A REVIEW OF SUDDEN UNEXPLAINED NOCTURNAL DEATH SYNDROME (SUNDS) AND THE ROLE OF EXTERNAL STRESS IN SOUTHEAST ASIAN POPULATIONS  
**K. Lo**  
UCLA, Los Angeles, CA, USA |
| 7 | PHYSICIAN PERCEPTION SURVEY REGARDING ABBOTT (FORMERLY ST. JUDE) CYBERSECURITY VULNERABILITIES AND Firmware Upgrade FOR PACEMAKERS  
University of Kansas Medical Center, Kansas City, KS, USA |
### P402 SUDDEN DEATH, ARRHYTHMIAS AND DEVICE THERAPY (continued)

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**RUNNING TO A STANDSTILL: CARDIAC ARREST IN A HEALTHY MARATHON RUNNER WITH A MYOCARDIAL BRIDGE**  
A. Cubberley, C. Ngongang, S. Banka  
Drexel University College of Medicine/Hahnemann University Hospital, Philadelphia, PA, USA

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**A HIDDEN CASE OF HYPERTROPHIC OBSTRUCTIVE CARDIOMYPATHY RELATED SUDDEN CARDIAC ARREST UNDER THE GUISE OF ACUTE ST ELEVATION MYOCARDIAL INFARCTION IN AN ELDERLY MALE**  
M. Anderson, M. Rodriguez Ziccardi  
Albert Einstein Medical Center, Philadelphia, PA, USA

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**WEARABLE CARDIOVERTER DEFIBRILLATOR “THE LIEVEST”: DEVICE DESIGN, LIMITATIONS, AND AREAS OF IMPROVEMENT**  
V. Chinta, M. Agarwal, N. Khouzam, A. Nanda, U. Ashraf, J. Kelly, I. Pour-Ghaz, A. Sharma, R. Khouzam  
Arkansas Methodist Medical Center, Jonesboro, AR, USA

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**A RARE CASE OF PACEMAKER-DEFIBRILLATOR DEVICE INFECTION CAUSED BY ACHROMOBACTER XYLOSOXIDANS**  
S.A. Raza, R. Collazo-Maldonado, L. Hunter  
Methodist Health System- Dallas, Dallas, TX, USA

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**TWIDDLER’S SYNDROME IN A PATIENT WITH TARDIVE DYSKINESIA**  
S. Shrestha, A.C. Shah, M. Polomsky, S.L. Winters  
Morristown Medical Center, New Jersey, NJ, USA

### P403 ARRHYTHMIAS AND ELECTROPHYSIOLOGY

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**CLINICAL CHARACTERISTICS AND OUTCOMES IN PATIENTS UNDERGOING TRANSCATHETER AORTIC VALVE REPLACEMENT WITHOUT LVH BY VOLTAGE CRITERIA**  
Albany Medical Center, Albany, NY, USA

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**ELECTROCARDIOGRAPHIC ABNORMALITIES IN SICKLE CELL PATIENTS IN A MAJOR METROPOLITAN CENTER**  
University of Texas Health Science Center at Houston, Houston, TX, USA

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**PREVALENCE AND CLINICAL IMPLICATIONS OF LEFT VENTRICULAR HYPERTROPHY BY VOLTAGE CRITERIA IN TAVR RECIPIENTS**  
Albany Medical Center, Albany, NY, USA
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<td>ELECTROCARDIOGRAPHIC PREDICTORS OF ARRHYTHMIA AFTER TRANSJUGULAR INTRAHEPATIC PORTOSYSTEMIC SHUNT</td>
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<td>Einstein Medical Center, Philadelphia, PA, USA</td>
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<td>INTRAVENOUS SALINE PROVIDES SYMPTOMATIC RELIEF FOR PATIENTS WITH POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS)</td>
<td>W. Almardini, M.A. Nasri, H. Mistry, S.B. Alam, N. Joy, K. Munez, S. Alam, A. Suleman</td>
<td>The Heartbeat Clinic, McKinney, TX, USA</td>
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<td>The Heartbeat Clinic, McKinney, TX, USA</td>
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<td>Albert Einstein Medical Center, Philadelphia, PA, USA</td>
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<td>M.A. Arif, R. Samannan, U. Bhatti, C.H. May</td>
<td>University of Oklahoma, Oklahoma City, OK, USA</td>
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<td>CALMING THE STORM - A CHALLENGING PRESENTATION OF A PATIENT WITH ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY AND RECURRENT VENTRICULAR TACHYCARDIA</td>
<td>N.K.O. Onuorah, A. Ekiz, J. Pollock</td>
<td>Wright State University, Dayton, OH, USA</td>
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<td>J.L. Penalver, M. Zabad, E. Franco, F. Aguilar, S. Basharat, A. Mora, S. Mainigi, B. Cepeda</td>
<td>Einstein Medical Center, Philadelphia, PA, USA</td>
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<td>M. Patel, A. Patel, A. Goud, A. Mukherjee, I. Alesh, R. Pai, P. Sethi</td>
<td>University of California, Riverside, Riverside, CA, USA.</td>
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### P403 ARRHYTHMIAS AND ELECTROPHYSIOLOGY (continued)

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**REFRACTORY ELECTRICAL STORM IN CHAGAS CARDIOMYOPATHY: IS HEART TRANSPLANT THE LAST OPTION?**
Edson Saad Heart Institute, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil

**LEV’S DISEASE IN A YOUNG ADULT WITH BICUSPID AORTIC VALVE**
S. Vallabhaneni, R. Aurshiya, S.J. Meera, S. Pakniyat, D. Traub, J. Shirani
St.Luke’s University Health network, Bethlehem, PA, USA

### P404 PERCUTANEOUS CORONARY INTERVENTION

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**LONG TERM COMPARISON OF PLATINUM CHROMIUM-BASED EVEROLIMUS-ELUTING STENT VERSUS COBALT CHROMIUM-BASED ZOTAROLIMUS-ELUTING STENT: 3-YEAR OUTCOMES FROM THE HOST-ASSURE RANDOMIZED CLINICAL TRIAL**
K. Park, C. Kim, J. Kang, H.-S. Kim
Seoul National University Hospital, Seoul, Republic of Korea

**RADIAL VS FEMORAL ACCESS IN PATIENTS WITH HISTORY OF CORONARY ARTERY BYPASS GRAFTING (CABG) WHO ARE UNDERGOING DIAGNOSTIC CORONARY ANGIOGRAPHY VS PERCUTANEOUS CORONARY INTERVENTION (PCI): META-ANALYSIS**
Marshall University Joan C. Edwards School of Medicine, Huntington, WV, USA

**SIMPLIFIED TECHNIQUE FOR CORONARY ANGIOGRAPHY IN PATIENTS WITH DEXTROCARDIA WITH SITUS INVERSUS**
J. Crisafi, A. Agarwal
Kettering Medical Center/Dayton VA Medical Center, Dayton, OH, USA

**SAME DAY DISCHARGE PCI: HIGH CLINICAL RISK PATIENTS**
J. Telayna, Jr., E. Martino, R. Costantini, J. Telayna, Sr.
Hospital Universitario Austral, Pilar - Buenos Aires, Argentina

**SAME DAY DISCHARGE PCI: HIGH ANGIOGRAPHIC RISK**
J. Telayna, Jr., R. Costantini, Sr., E. Martino, Sr., J. Telayna, Sr.
Hospital Universitario Austral, Pilar - Buenos Aires, Argentina

**IMPELLA VERSUS INTRA-AORTIC BALLOON PUMP IN CARDIOGENIC SHOCK POST PERCUTANEOUS CORONARY INTERVENTION**
N. Shah
Internal Medicine, St Mary Mercy Hospital, Livonia, MI, USA
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I. Baig, S. Ahmed, C. Patel, S. Green  
Geisinger Medical Center, Danville, PA, USA  |
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| 33       | POSSIBLE ACUTE MYOCARDIAL INFARCTION AND HYPOTENSION:  
THE UTILITY OF ECHOGRAM  
A. Sayed, W. Aronow, R. Timmermans  
Westchester medical center, Valhalla, NY, USA  |
| **P405** | **ANTITHROMBOTIC AND ANTIPLATELET THERAPY** |
| 34       | 325          |
| 34       | PRASUGREL STILL NEEDS MORE ATTENTION!!!!!!!  
A. Amro, O. Aqtash, H. Hirzallah, Y. Numan, R. Sayyed  
Marshall University Joan C. Edwards School of Medicine., Huntington, WV, USA  |
| 35       | 326          |
| 35       | USE OF NEW THIENOPYRIDINES IN PATIENTS WITH CORONARY ARTERY DISEASE TREATED WITH PERCUTANEOUS CORONARY INTERVENTIONS IN ARGENTINA. RESULTS FROM A “REAL WORLD” MULTICENTER REGISTRY  
Centro de Estudios en Cardiologia Intervencionista (CECI), Buenos Aires, Argentina  |
| 36       | 327          |
| 36       | RECURRENT PULMONARY EMBOLISM DESPITE BEING ON RIVAROXABAN  
M. Ghanim, S. Hegde, A. Vaziri  
Saint Elizabeth Medical Center, Brighton, MA, USA  |
| 37       | 328          |
| 37       | HOW SAFE ARE NEWER ANTICOAGULANTS AND THEIR REVERSAL ANTIDOTES: A CASE REPORT ON RISK-BENEFIT DILEMMA  
N. Shah  
St Mary Mercy Hospital, Livonia, MI, USA  |
Sunday, July 29, 2018

08:30 – 11:00

Hall A

PL13  Plenary Session

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

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

08:30  THE ASSOCIATION OF CONCOMITANT SERUM POTASSIUM AND GLUCOSE LEVELS AND IN-HOSPITAL MORTALITY IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION  (Invited Lecture)

Y. Plakht, A. Shiyovich, H. Gilutz
Ben-Gurion University of the Negev, Beer-Sheva, Israel

Abstract No. 329

08:45  SPONTANEOUS CORONARY ARTERY DISSECTION: FURTHER INSIGHTS UTILISING BIG DATA  (Invited Lecture)

R. Potluri
ACALM, Birmingham, UK

Abstract No. 330

09:00  DAYLIGHT SAVING TIME AND ACUTE MYOCARDIAL INFARCTION: DOES A GENDER-ORIENTED DIFFERENCE EXIST?  (Invited Lecture)

R. Manfredini, F. Fabbian, B. Zucchi, R. Cappadona
Center for Studies on Gender Medicine, University of Ferrara, Ferrara, Italy

Abstract No. 331

09:15  INDIVIDUALIZATION OF OPTIMAL TREATMENT FOR STABLE ANGINA PECTORIS: AN ONGOING CHALLENGE  (Invited Lecture)

U. Thadani
University of Oklahoma HSC, Oklahoma City, Oklahoma and VA Medical Center, Oklahoma City, OK, USA

Abstract No. 332

09:30  ENHANCING INFLAMMATION RESOLUTION IN ACUTE CORONARY ARTERY DISEASE: THE NEXT FRONTIERS FOR THERAPY?  (Invited Lecture)

J.G. Filep
University of Montreal, Montreal, QC, Canada

Abstract No. 333

09:45  INTRAVASCULAR ULTRASOUND (IVUS): CURRENT STATUS AND FUTURE PROSPECTS  (Invited Lecture)

M. Terashima
Toyohashi Heart Center, Toyohashi, Japan

Abstract No. 334

10:00  PLACEBO: POWER OF NON-SPECIFIC TREATMENT EFFECTS  (Invited Lecture)

G. Barsness
Mayo Clinic, Rochester, MN, USA

Abstract No. 335
SUNDAY, JULY 29, 2018

08:30 – 11:00 Hall A

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

Abstract No.

10:15  EMS GUIDED PRIMARY PCI MADE A DRAMATIC IMPACT ON POSITIVE STEMI CARE(Invited Lecture)
H. Reddy, R.C. Komatireddy, R. Sharma
University of Arkansas Medical School, Little Rock, AR, and St. Louis University Medical School, St. Louis, MO, USA

10:30  ATHEROSCLEROSIS IN ANCIENT MUMMIES (Invited Lecture)  
M. Madjid
McGovern School of Medicine, Houston, TX, USA

10:45  THE NOVEL SMALL LEUCINE RICH-REPEAT PROTEIN PODOCAN IS A SELECTIVE SYSTEMIC AND LOCAL REGULATOR OF SMOOTH MUSCLE CELL FUNCTION VIA THE CANONICAL WNT-PATHWAY: LESSONS LEARNED IN MICE AND MEN (Invited Lecture)
R. Hutter
Bassett Medical Center, Cooperstown, NY, USA

11:00  COFFEE BREAK, VISIT POSTERS AND EXHIBITION
PL14  **Plenary Session**  
**STEPS FORWARD IN UNDERSTANDING AND MANAGEMENT OF CARDIOMYOPATHY AND HEART FAILURE: BASIC AND CLINICAL**

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

Abstract No.

08:30  
**THROMBOLYTICS VERSUS PUMP EXCHANGE IN VAD MANAGEMENT: SHOULD WE USE A TAILORED APPROACH?**  
(Invited Lecture)  
N. Nair  
Texas Tech Health Sciences Center, Lubbock, TX, USA

08:45  
**DO NEW STUDIES/DEVICES TIP THE BALANCE TO EARLIER LVAD IMPLANTATION AS DESTINATION THERAPY?**  
(Invited Lecture)  
M.R. Johnson  
University of Wisconsin School of Medicine and Public Health, Madison, WI, USA

09:00  
**GENETICS IN THE MANAGEMENT OF DILATED CARDIOMYOPATHY**  
(Invited Lecture)  
L. Mestroni  
University of Colorado Anschutz Medical Campus, Aurora, CO, USA

09:15  
**TARGETING CaMKII IN HEART FAILURE**  
(Invited Lecture)  
Y. Wang, J. Cheng  
Zhongnan Hospital of Wuhan University, Wuhan, China

09:30  
**HOME HOSPITALIZATION FOR ACUTE DECOMPENSATED HEART FAILURE: OPPORTUNITIES AND STRATEGIES FOR IMPROVED HEALTH OUTCOMES**  
(Invited Lecture)  
M. Silver, University of Illinois, Chicago, IL, USA

09:45  
**MECHANISMS OF DCM DUE TO CELL CYCLE STRESS**  
(Invited Lecture)  
B.S. Tuana, University of Ottawa, Ottawa, ON, Canada

10:00  
**SILENCING OF THE CARDIAC 18-kDa TRANSLOCATOR PROTEIN PREVENTS HEART FAILURE DUE TO PRESSURE OVERLOAD**  
(Invited Lecture)  
S. Schaefer, E.N. Dedkova, P.N. Thai  
University of California Davis, Davis, CA, USA

10:15  
**THE TRIALS AND TRIBULATIONS OF SLOW CONTINUOUS ULTRAFILTRATION FOR MANAGEMENT OF ACUTE HEART FAILURE – AN UPDATE FOR 2018**  
(Invited Lecture)  
A. Kazory, University of Florida, Gainesville, FL, USA

10:30  
**IMPACT OF EXERCISE TRAINING ON DIASTOLIC FUNCTION IN HFPEF: GATHERING EVIDENCE FROM CLINICAL AND PRE-CLINICAL STUDIES**  
(Invited Lecture)  
D. Moreira-Goncalves, University of Porto, Porto, Portugal

10:45  
**COFFEE BREAK, VISIT POSTERS AND EXHIBITION**
SUNDAY, JULY 29, 2018

08:30 – 10:45 Hall C

**S30 Session**

**NEW CONCEPTS IN CARDIOVASCULAR DISEASE AND TREATMENT OUTCOMES**

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

Abstract No.

08:30  
**HEALTHCARE RESOURCE USE AND EXPENDITURES IN PATIENTS UNDER 65 YEARS OF AGE AND NEWLY DIAGNOSED WITH PAROXYSMAL SUPRAVENTRICULAR TACHYCARDIA (PSVT) IN THE UNITED STATES**  
Precision Xtract, Boston, MA, USA

08:45  
**PREDICTORS OF HEALTH-RELATED QUALITY OF LIFE AFTER FIELD-TRIAGE TO PRIMARY PERCUTANEOUS CORONARY INTERVENTION FOR NON-COMPLICATED ST-ELEVATION MYOCARDIAL INFARCTION: AN AGE COMPARISON STUDY**  
**S.Y. Soo Hoo**, Royal North Shore Hospital, Sydney, Australia

09:00  
**ACUTE AND CHRONIC ELEVATION OF CARDIAC TROPONIN PREDICT THE SEVERITY OF CORONARY ARTERY DISEASE IN PATIENTS WITH END-STAGE RENAL DISEASE**  
Wayne State University/Detroit Medical Center, Detroit, MI, USA

09:15  
**LESS IS MORE - RESTRICTIVE TRANSFUSION STRATEGY IN CORONARY ARTERY DISEASE PATIENTS RESULTS IN SHORTER LENGTH OF STAY**  
NYU Winthrop Hospital, Mineola, NY, USA

09:30  
**VALIDATION AND COMPARISON OF RESTING GRADIENT TO FRACTIONAL FLOW RESERVE FOR ASSESSMENT OF CORONARY ARTERY STENOSIS**  
**J. Aoun**, S. Lahsaei, C. Zahm, T. Bhat, J.P. Carrozza  
Saint Elizabeth’s Medical Center, Brighton, MA, USA

09:45  
**DEATH REPORTS AMONGST NOACS AND WARFARIN USERS. A STRATIFIED ANALYSIS OF FAERS DATA**  
**F.F. Richy**, Public Health and Epidemiology, University of Liege, Liege, Belgium

10:00  
**PREDICTORS OF OUTCOME IN PATIENTS TRANSFERRED DIRECTLY TO CARDIAC INTENSIVE CARE UNIT VIA INTER-HOSPITAL TRANSFER**  
**B. Ternus**, J. Jentzer, S. Kopecky, G. Barsness, Mayo Clinic, Rochester, MN, USA

10:15  
**POSTOPERATIVE TROPONIN ELEVATIONS PORTEND A HIGH MORTALITY RISK EVEN IN LOW-RISK PATIENTS**  
**E. Pivato**, S. Vasireddi, L. James, M. Kondapaneni  
MetroHealth Medical Center, Cleveland, OH, USA

10:30  
**LONG-TERM PROGNOSTIC VALUE OF CORONARY ANGIOGRAPHY IN MEDICALLY TREATED PATIENTS**  
Edson Saad Heart Institute, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil

10:45  
COFFEE BREAK, VISIT POSTERS AND EXHIBITION
SUNDAY, JULY 29, 2018

11:15 – 14:00

Hall A

S31 Session

ACUTE CORONARY SYNDROME: DETECTION, PREVENTION AND TREATMENT

Chairs: G. Barsness, Rochester, MN, USA

L.M. Biasucci, Rome, Italy

11:15 FALSE CATHETERIZATION ALERTS: ECG CLUES AND ECONOMIC IMPACT


Albert Einstein Medical Center, Philadelphia, PA, USA

11:30 EFFECT OF TIME OF DAY ON OUTCOMES OF PCI FOR STEMI

A. Karnik, J. Lee, E. Choi, J. Aguilar, S. Li, V. Kumar, S. Conley, N.W. Niles, II, B.W. Andrus, J.T. DeVries

Dartmouth Hitchcock Medical Center, Lebanon, NH, USA

11:45 PREDICTIVE VARIABLES OF LONG TERM OUTCOME IN PATIENTS UNDERGOING COMPLEX PERCUTANEOUS CORONARY INTERVENTIONS. THE ERACI RISK SCORE


Sanatorio Otamendi, Buenos Aires, Argentina

12:00 ASSOCIATION BETWEEN E-CIGARETTE USE AND CARDIOVASCULAR DISEASE

P. Ndunda, T. Muutu

University of Kansas School of Medicine - Wichita, KS, USA

12:15 IMPACT OF FAMILY HISTORY OF CORONARY ARTERY DISEASE ON IN-HOSPITAL CLINICAL OUTCOMES IN ST-SEGMENT MYOCARDIAL INFARCTION

U. Ashraf, A. Sharma, A. Nanda, J. Kelly, V. Chinta, I. Pour-Ghaz, R. Khouzam

University of Tennessee, Memphis, TN, USA

12:30 MARIJUANA (CANNABIS) USE IS AN INDEPENDENT PREDICTOR OF ADVERSE OUTCOMES IN PRINZMETAL’S ANGINA

A. Singh, R. Aurshiya, S. Pakniyat, J. Shirani

St. Luke’s University Health network, Bethlehem, PA, USA

12:45 ANTIPLATELET DRUG RESISTANCE IN ASIAN POPULATION

S.A.P. Sadath, G. Vijayaraghavan

Nizar Cardiac Centre, Malappuram, India

13:00 MYOCARDIAL ISCHEMIA IN TRUE (IIA SUBTYPE) ISOLATED SINGLE CORONARY ARTERY

A. Sinha, R. Kumar, J. Shirani

St. Luke’s University Health Network, Bethlehem, PA, USA
SUNDAY, JULY 29, 2018

11:15 – 14:00 Hall A

S31 Session

ACUTE CORONARY SYNDROME: DETECTION, PREVENTION AND TREATMENT (continued)

Abstract No.

13:15 MYOCARDIAL BRIDGES DIAGNOSTICS
O. Gogayeva, V. Lazoryshynets, L. Dzakhoieva, S. Rudenko, S. Salo
National Amosov Institute of Cardiovascular Surgery NAMS of Ukraine, Kiev, Ukraine

13:30 INTERNUCLEAR OPHTHALMOPLEGIA, A RARE NEUROOPHTHALMOLOGIC COMPLICATION OF CARDIAC CATHETERIZATION
S. Kumar, H. Patel, A. Rajasekaran, J. Morales Lappot, T. Lee, S. Hussain
University of Central Florida College of Medicine, Orlando, FL, USA

13:45 THERE IS NO SIGNIFICANT ASSOCIATION BETWEEN ADMISSION GLOMERULAR FILTRATION RATE AND LOCATION OR SEVERITY OF CORONARY ARTERY DISEASE
T. Oliver, P. Sethi, A. Jbeli, M. Omar, P. Thompson, J. Devasahayam, U. Krishnan
USD Sanford School of Medicine, Sioux Falls, SD, USA
## Sunday, July 29, 2018

**11:15 – 13:30**

**Hall B**

### S32 Session

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

**Chairs:**  
**M.A. Silver**, Oak Lawn, IL, USA  
**Y. Wang**, Wuhan, China

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<tr>
<th>Time</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
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<tbody>
<tr>
<td>11:15</td>
<td>368</td>
<td>A NOVEL SELECTIVE HUMAN BETA-ADRENERGIC RECEPTOR ANTAGONIST OF APD418 IMPROVED LEFT VENTRICULAR AND CARDIOMYOCYTE FUNCTIONAL PERFORMANCE IN CONSCIOUS, CHRONICALLY-INSTRUMENTED DOGS WITH PACING-INDUCED HEART FAILURE</td>
<td>H.-J. Cheng, X. Zhang, T. Li, Z. Zhang, D. Deal, J. Jordan, J. Adams, C. Cheng</td>
<td>Wake Forest School of Medicine, Winston-Salem, NC, USA</td>
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<td>11:30</td>
<td>369</td>
<td>PVC INDUCED CARDIOMYOPATHY: RISK ASSESSMENT</td>
<td>C. Sineri, W. Sheu, T. Ejigu, H. Kalinga, D. Bloomfield</td>
<td>Richmond University Medical Center, Staten Island, NY, USA</td>
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<td>11:45</td>
<td>370</td>
<td>ECHOCARDIOGRAPHIC PREDICTORS OF NEW ONSET TACHYARRHYTHMIA INDUCED CARDIOMYOPATHY</td>
<td>N. Thinda, B. Khatri, C. Katikireddy</td>
<td>VA CCHS / UCSF Fresno, Fresno, CA, USA</td>
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<td>12:00</td>
<td>371</td>
<td>GENOME EDITING THERAPY FOR DUCHENNE MUSCULAR DYSTROPHY-ASSOCIATED CARDIOMYOPATHY</td>
<td>L. Xu, Y. Lau, Y. Gao, J. Ma, R. Han</td>
<td>The Ohio State University, Columbus, OH, USA</td>
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<td>12:15</td>
<td>372</td>
<td>STRESS CARDIOMYOPATHY ASSOCIATED WITH COCAINE USE</td>
<td>A. Singh, R. Aurshiya, S. Pakniyat, J. Shirani</td>
<td>St. Luke’s University Health Network, Bethlehem, PA, USA</td>
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<td>12:45</td>
<td>374</td>
<td>UNDERRATED AND DIAGNOSED: CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION (CTEPH)</td>
<td>A. Shah, S. Shrestha, C. Cabral</td>
<td>Morristown Medical Center, Morristown, NJ, USA</td>
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SUNDAY, JULY 29, 2018

11:15 – 13:30 Hall B

S32 Session
CARDIOMYOPATHY, HEART FAILURE AND PULMONARY HYPERTENSION:
NOVEL APPROACHES FOR DIAGNOSIS AND TREATMENT (continued)

Abstract No.

13:00 OBESITY PARADOX IN RECREATIONAL DRUG USERS: ARE HEART
FAILURE OUTCOMES AFFECTED?
A. Akinlonu, T.O. Mene-Afejuku, P.D. Lopez, C. Dumancas, O. Ola, E.M. Ngo,
A. Savadkar, F. Visco, S. Mushiyev, G. Pekler
New York Medical College, Metropolitan Hospital Center, New York, NY, USA

13:15 RELATIONSHIP BETWEEN PULMONARY HYPERTENSION AND OUTCOMES
AMONG PATIENTS WITH HEART FAILURE WITH REDUCED EJECTION
FRACTION
T.O. Mene-Afejuku, C. Dumancas, A. Akinlonu, P.D. Lopez, H.A. Reyes, E.H. Cativo,
G. Pekler, F. Visco, S. Mushiyev
New York Medical College, Metropolitan, New York, NY, USA
SUNDAY, JULY 29, 2018

11:15 - 13:30  Hall C

S33  Session
VALVULAR AND STRUCTURAL HEART DISEASE: MECHANISMS AND TREATMENT OPTIONS

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

Abstract No.

11:15  ACQUIRED AORTIC ATRESIA CATHETER THERAPY USING COVERED STENTS
S.S. Mohsin, T. Momenah, K. Al Khalaf, A. Alsahari
Prince Sultan Cardiac Center, Riyadh, Saudi Arabia

11:30  ORIFICE ECCENTRICITY ACCENTUATES FLOW DISTURBANCE DUE TO SEVERE MITRAL ANNULAR CALCIFICATION (Invited Lecture)
E.J. Friend, B. El-Sayegh, G.S. Pressman, G. Di Labbio, E. Obasare, L. Kadem
Einstein Healthcare Network, Philadelphia, PA, USA

11:45  PEDIATRIC AND ADULT CONGENITAL ARRHYTHMIAS MANAGEMENT: TECHNIQUES AND CHALLENGES (Invited Lecture)
S. Das, University of Arkansas for Medical Sciences, Little Rock, AR, USA

12:00  RHYTHM DISTURBANCES AFTER TRANSCATHETER AORTIC VALVE REPLACEMENT: A STRATEGY OF SURVEILLANCE
S. Lilly, M. Skaf, N. Makki, N. Matre, K. Boudoulas, G. Rushing
The Ohio State University, Columbus, OH, USA

12:15  STROKE AS PRESENTING SIGN OF CONGENITALLY UNICUSPID AORTIC VALVE
S. Vallabhaneni, R. Aurshiya, S. Meera, S. Pakniyat, J. Shirani
St. Luke’s University Health Network, Bethlehem, PA, USA

12:30  A REVIEW OF RACIAL DISPARITIES IN TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR)
A. Sharma, T. Bob-Manuel, A. Nanda, U. Ashraf, J. Kelly, I. Pour-Ghaz, R.N. Khouzam
University of Tennessee Health Science Center, Memphis, TN, USA

12:45  NEW ONSET CONGESTIVE HEART FAILURE FOLLOWING NEW LEFT BUNDLE BRANCH BLOCK AFTER TRANS-CATHETER AORTIC VALVE REPLACEMENT: A CASE REPORT
M. Katayama, D. Fortuin, J. Sweeney, M. Belohlavek, H. Chaliki
Mayo Clinic, Scottsdale, AZ, USA

13:00  AN EXAMINATION OF ACCESS SITE COMPLICATIONS IN TRANSCUTANEOUS AORTIC VALVE REPLACEMENT: RISK FACTORS, POTENTIAL PREVENTION, AND TREATMENT
J. Kelly, A. Nanda, I. Pour-Ghaz, U. Ashraf, A. Sharma, A. Sharma, V. Chinta, R.N. Khouzam
University of Tennessee Health Science Center, Memphis, TN, USA

13:15  MY WORST COMPLICATION JUST HAPPENED
I. Baig, S. Ahmed, C. Good, A. Alsaid, S. Agarwal
University, Geisinger Medical Center, Danville, PA, USA
### P501 MOLECULAR AND CELLULAR CARDIOLOGY, VASCULAR BIOLOGY, BASIC RESEARCH

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|  | PHARMACOLOGICAL RESCUE OF MITOCHONDRIAIN HEART FAILURE  
  | J. Han  
  | Inje University, Busan, Republic of Korea |
| 2 | THE PROTECTIVE ROLE OF PRX1 IN THE ATHEROSCLEROSIS BY REGULATING MACROPHAGE LIPOPHAGIC FLUX  
  | S.-J. Jeong, G. Oh  
  | Cardiovascular Division, St. Louis, MO, USA |
| 3 | LIPID LYSOPHOSPHATIDYLCHOLINE-INDUCED Ca\(^{2+}\) INFLUX WAS MUCH MORE SUBSTANTIAL AND UNLIKELY STORE-OPERATED Ca\(^{2+}\) ENTRY (SOCE) IN CYTOTOXICITY OF MOUSE CEREBRAL MICROVASCULAR ENDOTHELIAL CELLS  
  | K.-L. Wong, C.-W. Cheung, B.-M. Huang, Y.-M. Leung  
  | China Medical University and Hospital, Taichung, Taiwan |
| 4 | THE INCREASE OF CELLULAR ANTIOXIDANT ENZYMES ACTIVITY BY METABOLIC DRUG ELTACIN IN THERAPY OF ELDERLY PATIENTS WITH ISCHEMIC HEART DISEASE  
  | E. Kalinina, R. Zaslavskaya, Y. Nartsissov  
  | Peoples’ Friendship University of Russia (RUDN University), Moscow, Russian Federation |
| 5 | EXPRESSION OF Flk-1 AND CYCLIN D2 mRNA IN MYOCARDIUM WITH DOXORUBICIN-INDUCED CARDIOMYOPATHY  
  | M.G.Klinnikova, E.V.Koldysheva, T.A.Korolenko, E.L.Lushnikova  
| 6 | miRNA-449 PROMOTE DIABETIC CARDiac FIBROSIS BY THE SMAD3 PATHWAY  
  | H. Liu  
  | Qinghai University Medical College, Xining, China |

### P502 IMMUNE AND INFLAMMATORY MECHANISMS IN ATHEROSCLEROSIS

| 8 | RARE ONSET OF ACUTE RHEUMATIC CARDITIS POST TREATMENT OF STREPTOCOCCAL PHARYNGITIS  
  | T. Nag, S. Pal, M. Karim, J. Harburger  
<p>| Westchester Medical Center, Valhalla, NY, USA |</p>
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<td><strong>THE EFFECT OF ENDOGENOUS CARBON MONOXIDE ON MYOCARDIAL ISCHEMIA REPERFUSION INJURY</strong></td>
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<td>Y. Liu, Z. Zhou, Y. Zhang, C. Cao, Q. Ji, W. Zhang</td>
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<td>Medical College of Qinghai University, Xining, China</td>
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<td><strong>PULSED ELECTROMAGNETIC FIELD STIMULATION AS A POTENTIAL CARDIOPROTECTIVE INTERVENTION</strong></td>
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<td>K. Purnamawati, J. Yap, S. Ng, P. Li, A. Rufaihah, A. Franco-Obregon</td>
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<td>National University of Singapore, Singapore, Singapore</td>
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<td><strong>EFFECTS OF DIFFERENT ß-ADRENERGIC RECEPTORS ON CARDIAC FUNCTION IN HYPOXIC STRESS RATS</strong></td>
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<td>W. Zhang, Y. Zhang, J. Liu, C. Cao, Q. Ji, Z. Yuan</td>
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<td>Research Center for High Altitude Medicine, Xining, China</td>
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<td><strong>P504</strong></td>
<td><strong>THROMBOSIS, BASIC RESEARCH</strong></td>
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<td><strong>LEFT ATRIAL APPENDAGE THROMBOSIS IN A MOUSE MODEL OF CORONARY ARTERY DISEASE</strong></td>
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<td>H.J. Begmatov, O. Rashidbaigi, F. Romanelli, A.M. Corbo, J. Millan, M. Plummer, O.V. Savinova</td>
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<td>NYIT College of Osteopathic Medicine, Old Westbury, NY, USA</td>
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<td><strong>YHD &amp; EYHD SUPPRESSES PLATELET ACTIVATION AND THROMBUS FORMATION BY REDUCING THROMBOXANE B2</strong></td>
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<td>H. Wu, Sr.</td>
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<td>Henan University of Chinese Medicine, Zhengzhou, China</td>
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<td><strong>TETRAMETHYLPYRAZINE INHIBITS CALCIUM RESPONSE IN PLATELETS BY SUPPRESSING SGK1</strong></td>
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<td>Z. Wang</td>
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<td>Henan University of Chinese Medicine, Zhengzhou, China</td>
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P505  HYPERTENSION, LIPIDS, OBESITY, METABOLIC SYNDROME, TYPE 2 DIABETES
AND CARDIOVASCULAR DISEASE

Board No.  Abstract No.
15  398  CHRONOLOGICAL AGE-GENE INTERACTIONS IN DETERMINING THE
EFFECTS OF THE CIRCADIAN MTNR1B GENE ON FASTING GLUCOSE
R. Barragan, E.M. Asensio, O. Coltell, O. Portoles, J.V. Sorlí, D. Corella
University of Valencia-CIBEROBN, Valencia, Spain

16  399  SWEET TASTE PERCEPTION AND OBESITY RISK IN SUBJECTS WITH
METABOLIC SYNDROME. GENOME WIDE SCREENING FOR NEW GENES
AND GENE-GENDER INTERACTIONS
E.M. Asensio, D. Corella, R. Fernández, J.V. Sorlí, O. Coltell
University of Valencia-Ciberobn, Valencia, Spain

17  400  THE THERAPEUTIC EFFECTS OF EVODIAMINE IN FRUCTOSE-INDUCED
METABOLIC SYNDROME IN RATS
V.K. Spiridonov, Z.S. Tolochko, C.-L. Lin, T.A. Korolenko
Institute of Physiology and Basic Medicine, Novosibirsk, Russian Federation

18  401  GENOME-WIDE ASSOCIATION SCREENING FOR TOTAL BILIRUBIN LEVELS
IN PATIENTS WITH METABOLIC SYNDROME IN A MEDITERRANEAN
POPULATION
O. Coltell, E.M. Asensio, C. Ortega-Azorín, R. Fernández-Carrión, J.V. Sorlí, R. Tosca,
L.V. Lizán, I.M. Giménez-Alba, A. Betancort, D. Corella
Computer Languages and Systems, Universitat Jaume I-Ciberobn, Castellon, Spain

19  402  TAS2R38 VARIATION AND BITTER TASTE PERCEPTION: ANALYSIS OF
GENDER, AGE AND LIFESTYLE INTERACTIONS
R. Barragan, O. Coltell, E.M. Asensio, J. Gonzalez, O. Portoles, R. Fernandez-Carrion,
D. Corella
University of Valencia-CIBEROBN, Valencia, Spain

20  425  PATHOGENESIS OF ATHEROSCLEROSIS IN THE YOUNG:
TIME TO LOOK BEYOND DIABETES, HIGH CHOLESTEROL AND TOBACCO
S. Potluri, P. Carter, D. Lavu, H. Uppal, S. Chandran, R. Potluri
ACALM Study Unit, Birmingham, UK

21  403  ASARONE STIMULATES LIPOLYSIS IN ADIPOCYTES
Y. Yang
Sookmyung Women’s University, Yongsan-gu, Republic of Korea

22  404  CLINICAL AND EPIDEMIOLOGICAL CHARACTERISTICS OF PATIENTS WITH
HYPERTENSIVE CRISIS TREATED IN THE EMERGENCY SERVICE OF A
HIGH LEVEL INSTITUTION OF COMPLEXITY, MEDELLIN, COLOMBIA 2014-2015
M.C. Duque, L.M. Martinez, L.F. Álvarez, D. Gallego, J.I. Bañol, M.A. Rodriguez,
J.S. Marín, A.E. Marín, L.I. Jaramillo
Universidad Pontificia Bolivariana, Medellin, Colombia
SUNDAY, JULY 29, 2018

08:00 – 13:00

Poster Hall

P506  PULMONARY ARTERIAL HYPERTENSION

Board No.  Abstract No.

23  ACUTE SEVERE PULMONARY HYPERTENSION CAUSING RIGHT HEART FAILURE FROM PULVERIZED OXYCODONE INTRAVENOUS INJECTION
S. Gupta, G. Jolly, S. Pal, A. Milovanovic, G. Lanier
Westchester Medical Center (New York Medical College), Valhalla, NY, USA

24  VASODILATOR TESTING FOR IDIOPATHIC PULMONARY HYPERTENSION: IS IT REALLY NECESSARY?
H. Doshi, J. Xu, A. Alam
Robert Wood Johnson, New Brunswick, NJ, USA

P507  ACUTE CORONARY SYNDROMES

25  DIASTOLIC WALL STRAIN PREDICTS MORTALITY IN PATIENTS WITH NON-ST ELEVATION MYOCARDIAL INFARCTION
Einstein Medical Center, Philadelphia, PA, USA

26  PLAQUE CHARACTERISTICS IN HYPERINSULINEMIA PATIENTS WITH ACUTE MYOCARDIAL INFARCTION. AN OPTICAL COHERENCE TOMOGRAPHY STUDY
Nagasaki Harbor Medical Center, Nagasaki, Japan

27  COMPARISON OF LONG-TERM AND SHORT-TERM MORTALITY AFTER PRIMARY PERCUTANEOUS CORONARY INTERVENTION FOR STEMI VERSUS THOSE WITH NON-STEMI
H.-Y. Kim, D.-B. Kim
Bucheon St. Mary’s Hospital, Bucheon, Republic of Korea

28  PERI-PROCEDURAL COMPLICATION RATES AMONG FALSE AND TRUE ST ELEVATION MYOCARDIAL INFARCTION ACTIVATIONS TAKEN TO THE CARDIAC CATHETERIZATION LABORATORY
C.M. Dookhan, A. Ghatak, R. Patel, E. De Marchena, C. Mendoza, A. Ferreira
Medical College of Georgia, Augusta, GA, USA

29  LATE PRESENTATION OF ANTERIOR WALL STEMI WITH RIGHT VENTRICULAR WALL RUPTURE IN AN ELHERS-DANLOS SYNDROME PATIENT
G. Jolly, A. Koulova, S. Pal, S. Gupta, G. Andries, R. Malekan
Westchester Medical Center, Valhalla, NY, USA

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