



INTERNATIONAL
ACADEMY OF
CARDIOLOGY

INTERNATIONAL ACADEMY OF CARDIOLOGY
ANNUAL SCIENTIFIC SESSIONS 2017
22nd WORLD CONGRESS ON
HEART DISEASE

VANCOUVER, BC, CANADA, JULY 14 – 16, 2017

PROGRAM

CardiologyOnline.com
CARDIOLOGY ONLINE

Affiliated with:



AMERICAN
COLLEGE of
CARDIOLOGY

California
CHAPTER



ASPC
The American Society for
Preventive Cardiology





INTERNATIONAL
ACADEMY OF
CARDIOLOGY

**INTERNATIONAL ACADEMY OF CARDIOLOGY
ANNUAL SCIENTIFIC SESSIONS 2017
22nd WORLD CONGRESS ON
HEART DISEASE**

VANCOUVER, BC, CANADA, JULY 14 – 16, 2017

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

Acknowledgements:

We would like to offer very special thanks to:

Actelion Pharmaceuticals Ltd.

for their generous educational grant. This financial support has helped make this Congress possible.

CME Approved by AMA:

The scientific program of the International Academy of Cardiology, Annual Scientific Sessions 2017, 22nd World Congress on Heart Disease has been reviewed by the American Medical Association and approved for a maximum of 22.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. One credit may be claimed for each hour of participation in approved sessions.

Faculty Disclosure Policy:

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

A project of:

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



INTERNATIONAL
ACADEMY OF
CARDIOLOGY

**INTERNATIONAL ACADEMY OF CARDIOLOGY
ANNUAL SCIENTIFIC SESSIONS 2017
22nd WORLD CONGRESS ON
HEART DISEASE**

VANCOUVER, BC, CANADA, JULY 14 – 16, 2017

PROGRAM



CONTENTS

Chairman’s Letter	5
Section Chairs	6
Scientific Executive Committee	7
Scientific Advisory Board	9
Scientific Abstract Review Committee	14
Awards	17
Opening Lectures	21
Acknowledgements	23
General Information	24
Social Program	26
List of Exhibitors	27
Scientific Program	
Friday, July 14, 2017	31
Saturday, July 15, 2017	49
Sunday, July 16, 2017	71
Index	87

Dear Friend and Colleague

On behalf of the Organizing Committee, it is my great pleasure to welcome you to Vancouver and to the International Academy of Cardiology, Annual Scientific Sessions 2017, 22nd World Congress on Heart Disease.

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

Many distinguished cardiologists and scientists have joined the faculty and will take part in this Congress. Papers will be presented in the form of plenary sessions, symposia and posters and will include superb scientific material that was carefully selected by the Scientific Abstract Review committee from over 500 abstracts submitted for presentation at the meeting. These studies, originating from laboratories in 32 countries, assure that the meeting will be a major scientific event.

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

We hope that you will enjoy the Congress and that your interaction with your colleagues from many different countries will stimulate a creative exchange of ideas and will be personally rewarding. We also hope and trust that you will enjoy your visit to the very beautiful and exciting city of Vancouver in July 2017.

Yours sincerely,



Asher Kimchi, MD

Chairman



ANNUAL
SCIENTIFIC
SESSIONS 2017

VANCOUVER
BC, CANADA

2017

FOUNDER AND CONGRESS CHAIRMAN

Asher Kimchi, USA

SECTION CHAIRS

Naranjan S. Dhalla, Canada
MOLECULAR CARDIOLOGY

Kenneth Maiese, USA
VASCULAR BIOLOGY

James D. Marsh, USA
GENETICS OF HEART DISEASE

Daniel S. Berman, USA
Takanonu Tomaru, Japan
CARDIAC IMAGING

Udho Thadani, USA
CARDIOVASCULAR PHARMACOLOGY
AND DRUG THERAPY

Wilbert S. Aronow, USA
Zorina Galis, USA
HYPERTENSION

Jeffrey S. Borer, USA
VALVULAR HEART DISEASE

S. David Gertz, Israel
DISEASES OF THE AORTA

Hani N. Sabbah, USA
MYOCARDIAL AND PERICARDIAL
DISEASES

Bodh I. Jugdutt, Canada
HEART FAILURE

Michael E. Cain, USA
Anne B. Curtis, USA
ARRHYTHMIAS AND
ELECTROPHYSIOLOGY

George W. Vetrovec, USA
INTERVENTIONAL CARDIOLOGY

John A. Elefteriades, USA
Louis P. Perrault, Canada
CARDIOVASCULAR SURGERY

Samia Mora, USA
Nathan D. Wong, USA
PREVENTIVE CARDIOLOGY



SCIENTIFIC EXECUTIVE COMMITTEE

John A. Eleftheriades, USA (Chairman)

Ali Ahmed, USA

Elena Aikawa, USA

Takashi Akasaka, Japan

Martin A. Alpert, USA

Madhu B. Anand-Srivastava, Canada

Francisco A. Arabia, USA

Wilbert S. Aronow, USA

Maciej Banach, Poland

Gregory Barsness, USA

Lewis C. Becker, USA

Daniel S. Berman, USA

Deepak L. Bhatt, USA

Robert W.W. Biederman, USA

Erik A.L. Biessen, The Netherlands

Yochai Birnbaum, USA

Ron Blankstein, USA

Burns C. Blaxall, USA

William Bommer, USA

Jeffrey S. Borer, USA

Robert C. Bourge, USA

Eugene Braunwald, USA

Sorin J. Brener, USA

Samuel M. Butman, USA

Michael E. Cain, USA

Hari P. Chaliki, USA

Yzhar Charuzi, USA

Changyi (Johnny) Chen, USA

Yabing Chen, USA

Anne B. Curtis, USA

Lawrence S. Czer, USA

Alexander H.J. Danser, The Netherlands

Thomas Deneke, Germany

Naranjan S. Dhalla, Canada

Luc Djousse, USA

Samuel C. Dudley, USA

Abdou Elhendy, USA

Michael Farkouh, Canada

Michael A. Fifer, USA

Janos G. Filep, Canada

Gordon L. Fung, USA

William H. Gaasch, USA

Zorina S. Galis, USA

Feng Gao, China

Julius M. Gardin, USA

A. Martin Gerdes, USA

S. David Gertz, Israel

J. Rod Gimbel, USA

Sidney Goldstein, USA

Jonathan Golledge, Australia

Mariann P. Gyöngyösi, Austria

Paul A. Heidenreich, USA

Donald D. Heistad, USA

Charles H. Hennekens, USA

Ramon C. Hermida, Spain

Roland Hetzer, Germany

Brian D. Hoit, USA

Daniela Jezova, Slovakia

Maryl R. Johnson, USA

Bodh I. Jugdutt, USA

Andreas Kalogeropoulos, USA

Edo Kaluski, USA

Tomoko S. Kato, Japan

Amir Kazory, USA

Ilan Kedan, USA

Arthur L. Klatsky, USA

Anne A. Knowlton, USA

Wei Kong, China

Santhosh K.G. Koshy, USA

Adarsh Kumar, India

Lih Kuo, USA

Stephanie Lehoux, Canada

Gary Lopaschuk, Canada

Avraham Lorber, Israel

Alexandra Lucas, USA

John J. Mahmarian, USA

Kenneth Maiese, USA

Tadeusz Malinski, USA

Roberto Manfredini, Italy



ANNUAL
SCIENTIFIC
SESSIONS 2017

VANCOUVER
BC, CANADA

2017

SCIENTIFIC EXECUTIVE COMMITTEE (Cont.)

James D. Marsh, USA
Jawahar L. Mehta, USA
Dan M. Meyer, USA
Leslie W. Miller, USA
Freny V. Mody, USA
Samia Mora, USA
Mohammad-Reza Movahed, USA
Nandini Nair, USA
Navin C. Nanda, USA
Khurram Nasir, USA
Mohamad Navab, USA
Demosthenes B. Panagiotakos, Greece
Kailash N. Pandey, USA
Hakan Paydak, USA
Patricia A. Pellikka, USA
Louis P. Perrault, Canada
Christos Pitsavos, Greece
Maria Prokudina, Russia
Jeffrey J. Rade, USA
Shahbudin H. Rahimtoola, UA
Nalini M. Rajamannan, USA
Hanumanth K. Reddy, USA
Clive Rosendorff, USA
Robert S. Rosenson, USA
Hani N. Sabbah, USA
Masood Sadiq, Paikistan

Maria J. Sanz, Spain
Tiziano M. Scarabelli, USA
Saul Schaefer, USA
Karlheinz Seidl, Germany
Howard D. Sesso, USA
Guo-Ping Shi, USA
Jamshid Shirani, USA
Mandeep S. Sidhu, USA
Pawan K. Singal, Canada
Dinender K. Singla, USA
Christopher S. Snyder, USA
Laurence Sperling, USA
Francis G. Spinale, USA
Ashok K. Srivastava, Canada
Mitsuyasu Terashima, Japan
Udho Thadani, USA
Takanobu Tomaru, Japan
Balwant S. Tuana, Canada
Yasunori Ueda, Japan
Barry F. Uretsky, USA
George W. Vetovec USA
Ronald Victor, USA
Nanette K. Wenger, USA
Michel White, Canada
Nathan D. Wong, USA
Ertan Yetkin, Turkey



SCIENTIFIC ADVISORY BOARD

Jun-ichi Abe, USA
Mazen S. Abu-Fadel, USA
Chris Adamopoulos, Greece
Masanori Aikawa, USA
Tolga Aksu, Turkey
Kannayiram Alagiakrishnan, Canada
Mouaz H. Al-Mallah, Saudi Arabia
Fernando Alfonso, Spain
Aman Amanullah, USA
Giuseppe Ambrosio, Italy
Dominick J. Angiolillo, USA
Charles Antzelevitch, USA
Juan M. Aranda, Jr., USA
Eloisa Arbustini, Italy
Pankaj Arora, USA
Diana E. Ayala, Spain
Lina Badimon, Spain
Subhash Banerjee, USA
Giuseppe Barbaro, Italy
Philip Barter, Australia
Alexei G. Basnakian, USA
Seth J. Baum, USA
Ronen Beerli, Israel
Atta Behfar, USA
Elise Belaidi-Corsat, France
Jutta Bergler-Klein, Austria
Luigi M. Biasucci, Italy
Vera Bittner, USA
Peter C. Block, USA
Eduardo Bossone, Italy
Harisios Boudoulas, Greece
Neil E. Bowles, USA
Alexandros Briasoulis, USA
T. Jared Bunch, USA
John C. Burnett, Jr., USA
Gianfranco Butera, Italy
Harpal S. Buttar, Canada
Hua Linda Cai, USA
Duncan J. Campbell, Australia
Ugur Canpolat, Turkey

Feng Cao, China
Noel Caplice, Ireland
Filip Casselman, Belgium
Turgay Çelik, Turkey
Athanasios Chalkias, Greece
Subroto Chatterjee, USA
Farooq A. Chaudhry, USA
Asim N. Cheema, Canada
Jaw-Wen Chen, Taiwan
Shao-Liang Chen, China
Shiyong Chen, USA
Yi-Jen Chen, Taiwan
Yingjie Chen, USA
Yucheng Chen, China
Susan Cheng, USA
Xian Wu Cheng, Japan
Yiu-Fai Cheung, China
Anand Chockalingam, USA
Kee-Joon Choi, Korea
Christina Chrysohoou, Greece
Shorena Chumburidze, Georgia
Quirino Ciampi, Italy
Luciano Consuegra-Sánchez, Spain
Leslie T. Cooper, USA
Filippo Crea, Italy
Clifford L. Cua, USA
Kaijun Cui, China
Luciano Daliento, Italy
Michael Dandel, Germany
Ramprasad Dandillaya, USA
Anindita Das, USA
Piroze Davierwala, Germany
Buddhadeb Dawn, USA
Natasja M.S. de Groot, The Netherlands
Giuseppe De Luca, Italy
Christopher DeSouza, USA
Prakash C. Deedwania, USA
Alessandro Della Corte, Italy
Yvan Devaux, Luxembourg



ANNUAL
SCIENTIFIC
SESSIONS 2017

VANCOUVER
BC, CANADA

2017



SCIENTIFIC ADVISORY BOARD (Cont.)

- Javier Díez**, Spain
Dobromir Dobrev, Germany
Gerald Dorros, USA
Rami Doukky, USA
Anique Ducharme, Canada
Daniel A. Duprez, USA
Hamza Duygu, Cyprus
Mohaned Egred, UK
Andrew J. Einstein, USA
Arif Elvan, The Netherlands
Marguerite M. Engler, USA
Georg Ertl, Germany
Giovanni Esposito, Italy
Melanie Everitt, USA
DeLisa Fairweather, USA
Guo-Chang Fan, USA
Mohamed Eid Fawzy, Egypt
Mark W. Feinberg, USA
Giuseppe Ferrante, Italy
Daniel Flammang, France
Jerome L. Fleg, USA
Nicolas Foin, Singapore
Michael Fu, Sweden
Tohru Fukai, USA
Yoshihiro Fukumoto, Japan
Joel A. Garcia, USA
Peter Gaskin, USA
Jacob George, Israel
Guido Germano, USA
Bernard J. Gersh, USA
Evaldas Girdauskas, Germany
Robert J. Goldberg, USA
Jeffrey Goldberger, USA
James A. Goldstein, USA
Rajiv Gulati, USA
Hyeon-Cheol Gwon, Korea
Arata Hagikura, Japan
Donald J. Hagler, USA
Jihong Han, China
Yuchi Han, USA
Louise Harris, Canada
Babar S. Hasan, Pakistan
Takekuni Hayashi, Japan
Don Hayes, Jr., USA
Michael Y. Henein, Sweden
Charles A. Henrikson, USA
Michel Henry, Luxembourg
Gerd Heusch, Germany
Jennifer E. Ho, USA
Paul C. Ho, USA
David R. Holmes Jr., USA
Gue-Ru Hong, South Korea
Myeong-Ki Hong, Korea
Masatsugu Hori, Japan
Minoru Horie, Japan
Masatsugu Horiuchi, Japan
John D. Horowitz, Australia
Dan Hu, USA
Gang Hu, USA
Heikki V. Huikuri, Finland
Takafumi Ishida, Japan
Warren M. (Sonny) Jackman, USA
Allan S. Jaffe, USA
Farouc A. Jaffer, USA
Deepak Jain, Germany
Jesper K. Jensen, Denmark
Kai Jiao, USA
Xueting (Tina) Jin, USA
Hanjoong Jo, USA
James W. Jones, USA
Erik Jørgensen, Denmark
Boyoung Joung, Korea
J. Wouter Jukema, The Netherlands
Hideo Kanaide, Japan
Duk-Hyun Kang, Korea
Bharat K. Kantharia, USA
Samir Kapadia, USA
Navin K. Kapur, USA
Chandrasekharan C. Kartha, India
Masaya Kato, Japan

SCIENTIFIC ADVISORY BOARD (Cont.)

Demosthenes G. Katritsis, Greece

Osami Kawarada, Japan

Henning Kelbaek, Denmark

Matyas Keltai, Hungary

Levon Khachigian, Australia

Rami N. Khouzam, USA

Jin Won Kim, Korea

Sang-Hyun Kim, Korea

Yong-Jin Kim, Korea

Kwang Kon Koh, Korea

Peter F. Kokkinos, USA

Philippe Kolh, Belgium

Igor E. Konstantinov, Australia

Tatyana Korolenko, Russia

Smadar Kort, USA

Ashok Krishnaswami, USA

Rungroj Krittayaphong, Thailand

Howard S. Kruth, USA

Rakesh C. Kukreja, USA

Sudhir Kurl, Finland

Fabien Labombarda, France

Roger J. Laham, USA

Dhanunjaya Lakkireddy, USA

Gaetano A. Lanza, Italy

Martin J. LaPage, USA

Hwa Mu Lee, USA

Stephan E. Lehnart, Germany

Robert A. Levine, USA

Martin M. LeWinter, USA

Qiangrong Liang, USA

Yulin Liao, China

Philip R. Liebson, USA

Shing-Jong Lin, Taiwan

Steven E. Lipshultz, USA

Tong Liu, China

Douglas W. Losordo, USA

Chaim Lotan, Israel

Amir S. Lotfi, USA

Jincai Luo, China

Xin-Liang (Xin) Ma, USA

Paolo Madeddu, UK

Mohammad Madjid, USA

Bernhard Maisch, Germany

Shaista Malik, USA

Giuseppe Mancia, Italy

Donna M. Mancini, USA

Antoni Martinez-Rubio, Spain

Akira Marui, Japan

Takumi Matsubara, Japan

Nilanjana Maulik, USA

Nicola Maurea, Italy

Pascal McKeown, Ireland

Bruce M. McManus, Canada

Luisa Mestroni, USA

Antonio Miceli, Italy

Hendrik Milting, Germany

Nader Moazami, USA

Henning Morawietz, Germany

Daniel Moreira-Goncalves, Portugal

Ryuichi Morishita, Japan

Toshisuke Morita, Japan

Marjan Mujib, USA

Sreejayan Nair, USA

Francesco Nappi, France

Andrea Natale, USA

Arnold C.T. Ng, Australia

Alexander Niessner, Austria

Niels T. Olsen, Denmark

Elmir Omerovic, Sweden

Torbjørn Omland, Norway

Eric Osborn, USA

Noriyuki Ouchi, Japan

Gavin Y. Oudit, Canada

Pasquale Pagliaro, Italy

Ramdas G. Pai, USA

John T. Parissis, Greece

Kaushik P. Patel, USA

Pranav M. Patel, USA

Jan J. Piek, The Netherlands

Luc A. Pierard, Belgium



ANNUAL
SCIENTIFIC
SESSIONS 2017

VANCOUVER
BC, CANADA

2017

SCIENTIFIC ADVISORY BOARD (Cont.)

- Cristina Pislaru**, USA
Laurent Pison, The Netherlands
Ygal Plakht, Israel
Sunny S. Po, USA
Don Poldermans, The Netherlands
Rahul Potluri, UK
Sumanth D. Prabhu, USA
Kailash Prasad, Canada
Gregg S. Pressman, USA
Karin Przyklenk, USA
Paolo Emilio Puddu, Italy
Vijay Puri, UK
Lu Qi, USA
Simon W. Rabkin, Canada
Mohan K. Raizada, USA
Satish R. Raj, Canada
Shahzad G. Raja, UK
Dipak P. Ramji, UK
Tienush Rassaf, Germany
Surendranath R.V. Reddy, USA
Judith G. Regensteiner, USA
Jun Ren, USA
Jeffrey Robbins, USA
William C. Roberts, USA
Joe Rod, USA
Ariel Roguin, Israel
Eric Rosenthal, UK
Yoram Rudy, USA
Martin H. Ruwald, Denmark
Kerry-Anne Rye, Australia
Rajesh Sachdeva, USA
Christoph H. Saely, Austria
Naritatsu Saito, Japan
Fabian Sanchis-Gomar, Spain
Raul D. Santos, Brazil
Hiroshi Sato, Japan
Heinrich R. Schelbert, USA
Ingolf Schimke, Germany
Thomas H. Schindler, USA
Paul Schoenhagen, USA
Morten Schou, Denmark
Madhan Shanmugasundaram, USA
Abhishek Sharma, USA
Neeru Sharma, USA
Rakesh K. Sharma, USA
Fayaz Shawl, USA
Michael Shechter, Israel
Jayaprakash Shenthar, India
Win K. Shen, USA
Avraham Shotan, Israel
Rosa Sicari, Italy
Robert J. Siegel, USA
Horst Sievert, Germany
Michael Simons, USA
David Snipelisky, USA
Elsayed Z. Soliman, USA
Virend K. Somers, USA
Long-Sheng Song, USA
Yiqing Song, USA
Francis G. Spinale, USA
Deepak Srivastava, USA
Komandoor Srivathsan, USA
Christoph T. Starck, Germany
Paul Steendijk, The Netherlands
Martin Stockburger, Germany
Bodo E. Strauer, Germany
Kaihong Su, USA
Jianxin Sun, USA
Phyllis G. Supino, USA
Jesper Hastrup Svendsen, Denmark
Masahiko Takagi, Japan
Masafumi Takahashi, Japan
Yida Tang, China
Jean-Francois Tanguay, Canada
Paramjit S. Tappia, Canada
Luca Testa, Italy
David R. Thompson, Australia
Edward B. Thorp, USA
Dimitris Tousoulis, Greece
Dwight A. Towler, USA

SCIENTIFIC ADVISORY BOARD (Cont.)

Ronald J.A. Trent, Australia
Teresa S. M. Tsang, Canada
Masahiko Tsuchiya, Japan
Mark K. Urman, USA
Simon Urschel, Canada
Masuko Ushio-Fukai, USA
Gian Paolo Ussia, Italy
Peter van der Meer, The Netherlands
Niels van Royen, The Netherlands
Muthiah Vaduganathan, USA
Héctor H. Valdivia, USA
Hector O. Ventura, USA
Josef Veselka, Czech Republic
Francesco Violi, Italy
Salim S. Virani, USA
Johannes Waltenberger, Germany
Lu Wang, USA
Shi-Qiang Wang, China
Wenru Wang, Singapore
Xuejun Wang, USA
Yanggan Wang, China
S. Goya Wannamethee, UK
Xander H.T. Wehrens, USA
Giora Weisz, USA
B. Daan Westenbrink, The Netherlands

Harvey D. White, New Zealand
Norbert Wilke, USA
Martin C.S. Wong, Hong Kong
Tom Wong, UK
Scott Wright, USA
Mei-Hwan Wu, Taiwan
Bo Xu, USA
Zhong-Qun Yan, Sweden
Clyde W. Yancy, USA
Qinglin Yang, USA
Zequan Yang, USA
Masafumi Yano, Japan
Yan Yao, China
Jian (James) Ye, Canada
Hongki Yoo, South Korea
Hiroshi Yoshida, Japan
Cheuk-Man Yu, China
Maliha Zahid, USA
Jianyi Jay Zhang, USA
Yingmei Zhang, China
Youhua Zhang, USA
Shui-Ping Zhao, China
Xi-Long Zheng, Canada
Yi Zhou, USA



ANNUAL
SCIENTIFIC
SESSIONS 2017

VANCOUVER
BC, CANADA

2017



SCIENTIFIC ABSTRACT REVIEW COMMITTEE

- Mazen S. Abu-Fadel**, USA
Chris Adamopoulos, Greece
Ali Ahmed, USA
Takashi Akasaka, Japan
Tolga Aksu, Turkey
Kannayiram Alagiakrishnan, Canada
Mouaz H. Al-Mallah, Saudi Arabia
Martin A. Alpert, USA
Dominick J. Angiolillo, USA
Eloisa Arbustini, Italy
Wilbert S. Aronow, USA
Giuseppe Barbaro, Italy
Gregory Barsness, USA
Philip Barter, Australia
Alexei G. Basnakian, USA
Lewis Becker, USA
Daniel S. Berman, USA
Robert W.W. Biederman, USA
Yochai Birnbaum, USA
Vera Bittner, USA
Jeffrey S. Borer, USA
Eduardo Bossone, Italy
Sorin Brener, USA
Alexandros Briasoulis, USA
John C. Burnett, Jr, USA
Gianfranco Butera, Italy
Michael E. Cain, USA
Duncan J. Campbell, Australia
Filip Casselman, Belgium
Athanasios Chalkias, Greece
Yzhar Charuzi, USA
Subroto Chatterjee, USA
Farooq A. Chaudhry, USA
Shiyong Chen, USA
Yi-Jen Chen, Taiwan
Yucheng Chen, China
Anand Chockalingam, USA
Kee-Joon Choi, Korea
Luciano Consuegra-Sánchez, Spain
Clifford L. Cua, USA
Anne B. Curtis, USA
Alexander H.J. Danser, The Netherlands
Anindita Das, USA
Alessandro Della Corte, Italy
Naranjan S. Dhalla, Canada
Javier Diez, Spain
Luc Djousse, USA
Samuel C. Dudley, USA
Hamza Duygu, Cyprus
Abdou Elhendy, USA
Marguerite M. Engler, USA
Melanie Everitt, USA
Guo-Chang Fan, USA
Mark W. Feinberg, USA
Giuseppe Ferrante, Italy
Michael A. Fifer, USA
Janos G. Filep, Canada
William H. Gaasch, USA
Feng Gao, China
Julius M. Gardin, USA
Peter Gaskin, USA
S. David Gertz, Israel
Robert J. Goldberg, USA
James A. Goldstein, USA
Jonathan Golledge, Australia
Arata Hagikura, Japan
Donald J. Hagler, USA
Jihong Han, China
Yuchi Han, USA
Takekuni Hayashi, Japan
Charles H. Hennekens, USA
Charles A. Henrikson, USA
Michel Henry, Luxembourg
Brian D. Hoit, USA
Myeong-Ki Hong, Korea
Masatsugu Hori, Japan
Masatsugu Horiuchi, Japan
John D. Horowitz, Australia
Takafumi Ishida, Japan
Warren M. (Sonny) Jackman, USA

SCIENTIFIC ABSTRACT REVIEW COMMITTEE (Cont.)

Deepak Jain, Germany
Jesper K. Jensen, Denmark
Daniela Jezova, Slovakia
Xueting (Tina) Jin, USA
Maryl R. Johnson, USA
Bodh I. Jugdutt, USA
Andreas Kalogeropoulos, USA
Edo Kaluski, USA
Hideo Kanaide, Japan
Duk-Hyun Kang, Korea
Masaya Kato, Japan
Amir Kazory, USA
Ilan Kedan, USA
Henning Kelbaek, Denmark
Matyas Keltai, Hungary
Levon Khachigian, Australia
Jin Won Kim, Korea
Arthur L. Klatsky, USA
Anne A. Knowlton, USA
Wei Kong, China
Tatyana Korolenko, Russia
Ashok Krishnaswami, USA
Howard Kruth, USA
Takashi Kubo, Japan
Lih Kuo, USA
Sudhir Kurl, Finland
Martin J. LaPage, USA
Hwa Mu Lee, USA
Stephanie Lehoux, Canada
Philip R. Leibson, USA
Qiangrong Liang, USA
Shing-Jong Lin, Taiwan
Gary Lopaschuk, Canada
Jincai Luo, China
Xin-liang Ma, USA
Mohammad Madjid, USA
Kenneth Maiese, USA
Bernhard Maisch, Germany
Tadeusz Malinski, USA
Giuseppe Mancia, Italy

Roberto Manfredini, Italy
James D. Marsh, USA
Antoni Martínez-Rubio, Spain
Akira Marui, Japan
Pascal McKeown, Ireland
Jawahar L. Mehta, USA
Antonio Miceli, Italy
Leslie W. Miller, USA
Freny Vaghaiwalla Mody, USA
Samia Mora, USA
Henning Morawietz, Germany
Daniel Moreira-Gonçalves, Portugal
Mohammad-Reza Movahed, USA
Nandini Nair, USA
Francesco Nappi, France
Andrea Natale, Italy
Arnold Ng, Australia
Niels Thue Olsen, Denmark
Gavin Y. Oudit, Canada
Demosthenes Panagiotakos, Greece
Kailash N. Pandey, USA
Hakan Paydak, USA
Louis P. Perrault, Canada
Ygal Plakht, Israel
Sunny Po, USA
Don Poldermans, The Netherlands
Rahul Potluri, UK
Kailash Prasad, Canada
Gregg S. Pressman, USA
Maria Prokudina, Russia
Karin Przyklenk, USA
Lu Qi, USA
Jeffrey J. Rade, USA
Shahzad G. Raja, UK
Nalini M. Rajamannan, USA
Dipak P. Ramji, UK
Hanumanth K. Reddy, USA
Surendranath R.V. Reddy, USA
Jeffrey Robbins, USA
Robert S. Rosenson, USA



ANNUAL
SCIENTIFIC
SESSIONS 2017

VANCOUVER
BC, CANADA

2017

SCIENTIFIC ABSTRACT REVIEW COMMITTEE (Cont.)

- Hanni N. Sabbah**, USA
Rajesh Sachdeva, USA
Naritatsu Saito, Japan
Fabian Sanchis-Gomar, Spain
Maria J. Sanz, Spain
Hiroshi Sato, Japan
Tiziano M. Scarabelli, USA
Ingolf Schimke, Germany
Howard D. Sesso, USA
Madhan Shanmugasundaram, USA
Win-Kuang Shen, USA
Guo-Ping Shi, USA
Jamshid Shirani, USA
Rosa Sicari, Italy
Mandeep S. Sidhu, USA
Pawan K. Singal, Canada
Elsayed Z. Soliman, USA
Francis G. Spinale, USA
Bodo E. Strauer, Germany
Jianxin Sun, USA
Masahiko Takagi, Japan
Paramjit S. Tappia, Canada
Mitsu Terashima, Japan
Luca Testa, Italy
Udho Thadani, USA
Edward B. Thorp, USA
Takanobu Tomaru, Japan
Masahiko Tsuchiya, Japan
Barry F. Uretsky, USA
Gian Paolo Ussia, Italy
Niels van Royen, The Netherlands
Hector O. Ventura, USA
Josef Veselka, Czech Republic
Yanggan Wang, China
Nanette K. Wenger, USA
Harvey D. White, New Zealand
Martin C.S. Wong, Hong Kong
Mei-Hwan Wu, Taiwan
Bo Xu, USA
Qinling Yang, USA
Zequan Yang, USA
Jian (James) Ye, Canada
Hongki Yoo, South Korea
Maliha Zahid, USA
Xi-Long Zheng, Canada
Yi Zhou, USA



INTERNATIONAL ACADEMY OF CARDIOLOGY MEMORIAL AWARDS

The International Academy of Cardiology has established five awards to honor the memory of distinguished colleagues who made a major contribution to Medicine and Cardiology and who were members of the faculty for previous International Academy of Cardiology meetings. As in previous years, the recipients were selected by a very prestigious Awards Committee. The awards for 2017 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

The **ALBRECHT FLECKENSTEIN MEMORIAL AWARD**

for distinguished work in the field of Basic Research

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



ANNUAL
SCIENTIFIC
SESSIONS 2017

VANCOUVER
BC, CANADA

2017

AWARD RECIPIENTS (Cont.)

The **JAN J. KELLERMANN MEMORIAL AWARD**

for distinguished work in the field of Cardiovascular Disease Prevention

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



AWARD RECIPIENTS (Cont.)

The **HANS-PETER KRAYENBUEHL MEMORIAL AWARD**

for distinguished work in the field of Research in Cardiac Function

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

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



ANNUAL
SCIENTIFIC
SESSIONS 2017

VANCOUVER
BC, CANADA

2017

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
2007	James H. Chesebro, USA
2007	Uri Elkayam, USA
2007	Francis G. Spinale, USA
2008	Martin Alpert, USA
2008	Naranjan S. Dhalla, Canada
2008	John A. Elefteriades, USA
2010	Anne B. Curtis, USA
2011	Lewis C. Becker, USA
2011	Daniel S. Berman, USA
2011	Bodh I. Jugdutt, USA
2012	Robert Roberts, Canada
2013	Elizabeth Barrett-Connor, USA
2013	Michael E. Cain, USA
2013	Michael H. Criqui, USA
2014	Yzhar Charuzi, USA
2014	Jawahar L. Mehta, USA
2014	George W. Vetrovec, USA
2014	Nathan D. Wong, USA
2015	S. David Gertz, Israel
2015	Anne A. Knowlton, USA
2015	Udho Thadani, USA
2016	Charles H. Hennekens, USA
2016	Shahbudin H. Rahimtoola, USA
2016	Nanette K. Wenger, 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



ANNUAL
SCIENTIFIC
SESSIONS 2017

VANCOUVER
BC, CANADA

2017

INTERNATIONAL ACADEMY OF CARDIOLOGY
OPENING LECTURES (Cont.)

- 2001 MODERN PERSPECTIVES ON DISEASES OF THE THORACIC AORTA
John A. Eleftheriades, USA
- 2002 GENETIC MECHANISMS OF HEART FAILURE
Jeffrey A. Towbin, USA
- 2003 HEART FAILURE AND THE NEED FOR DEVICE THERAPY
William T. Abraham, USA
- 2005 INTEGRATION OF CARDIAC MRI, CARDIAC CT SCANNING, AND NUCLEAR
CARDIOLOGY IN CLINICAL ASSESSMENT OF PATIENTS WITH KNOWN OR
SUSPECTED CHRONIC CAD: WHICH TEST IN WHICH PATIENT?
D.S. Berman, USA
- 2007 HOW BEST TO IDENTIFY PATIENTS AT RISK FOR SUDDEN CARDIAC DEATH
M.E. Cain, USA
- 2008 WOMEN AND HEART DISEASE IN THE POST-WHI ERA
E.L. Barrett-Connor, USA
- 2010 VOODOO DEATH REVISITED: THE MODERN LESSONS OF NEUROCARDIOLOGY
M.A. Samuels, USA
- 2011 ANGIOGENESIS IN ATHEROSCLEROSIS: MECHANISM, ROLE AND THERAPEUTIC
IMPLICATION
J.L. Mehta, USA
- 2012 PERIPARTUM CARDIOMYOPATHY: NEW CONCEPTS IN PATHOPHYSIOLOGY
AND MANAGEMENT
U. Elkayam, USA
- 2013 CVD IN WOMEN: A FRESH PERSPECTIVE
E.A. Amsterdam, USA
- 2014 GENDER DISPARITY IN CORONARY HEART DISEASE: BIAS, BIOLOGY, OR BOTH?
N.K. Wenger, USA
- 2015 STATE-OF-THE-ART CVD PREVENTION: LOOKING BEYOND AND
INTERPRETING THE ACC/AHA PREVENTION OF CARDIOVASCULAR DISEASE
GUIDELINES
N.D. Wong, USA
- 2016 THE WAR ON HEART FAILURE
E. Braunwald, USA



ACKNOWLEDGEMENTS

We would like to offer very special thanks to;

Actelion Pharmaceuticals Ltd

for providing an unrestricted educational grant.

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

Tomer Aharon

Roland Archer

Dror Ben-Tzvi

Karen H. Burstein

Liron Burstein

Maytal Burstein

Noam Burstein

Cirina Catania

Sergey Fedchin

Rami Gur

Orly Halevy

Oren Hirschenzone

Caroline L. Jia

Rebeca Kimchi

Vicky Klug

Micha Lederman

Shannon J. Leung

Karen Lo

Greg Matthews

Karyn Nahari

Einat Peled

Mike Perchig

Niharika Reddy

Jenna Marie Stelmar

Tuyet T.M. Tran

We are grateful to the Armadillo String Trio for providing the music for the Opening Ceremony.

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.



ANNUAL
SCIENTIFIC
SESSIONS 2017

VANCOUVER
BC, CANADA

2017

GENERAL INFORMATION

VENUE AND HEADQUARTERS HOTEL

The Hyatt Regency Vancouver is the venue and headquarters hotel of the *International Academy of Cardiology Annual Scientific Sessions 2017 22nd World Congress on Heart Disease*

Hotel Address:

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

LANGUAGE

The official language of the Congress is English.

REGISTRATION DESK

The Registration Desk will operate as follows:

Thursday, July 13, 2017	16:00 – 19:00 hours
Friday, July 14, 2017	08:00 – 18:00 hours
Saturday, July 15, 2017	08:00 – 18:00 hours
Sunday, July 16, 2017	08:00 – 13:00 hours

PROJECTION EQUIPMENT

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

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

Please note that the congress' computers in the session halls are supplied with Office 2010 (at least) 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.

POSTER PRESENTATIONS

Please see the program for the exact date of your poster presentation. Presenters must put up their posters by 07:50 and ensure that they are removed by the end of the day's sessions. 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.



GENERAL INFORMATION (Cont.)

WIFI ACCESS

Free WIFI access will be provided on the Congress floor (3rd floor) during session hours:
Code and Username: IAC17

ATTENDANCE CERTIFICATES

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

GET-TOGETHER RECEPTION

Registered participants are invited to the Get-Together Reception, which will take place in the Exhibition and Poster Hall of the Congress, in the Hyatt Regency Vancouver on Thursday, July 13, 2017 from 18:00 – 19:00.

FAREWELL DINNER (Optional)

The Farewell Dinner will take place on Saturday, July 15, 2017. 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 2017, 22nd World Congress on Heart Disease has been approved for 22.25 *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.

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 2017, 22nd World Congress on Heart Disease. Participants should make their own arrangements with respect to health and travel insurance.



ANNUAL
SCIENTIFIC
SESSIONS 2017

VANCOUVER
BC, CANADA

2017

GENERAL INFORMATION (Cont.)

CONGRESS SECRETARIAT

International Academy of Cardiology
Annual Scientific Sessions 2017
22nd World Congress on Heart Disease
PO Box 17659
Beverly Hills, CA 90209, USA
Tel: +1 310 657 8777; Fax: +1 310 659 4781
E-mail: klimedco@ucla.edu
Website: www.CardiologyOnline.com

ORGANIZERS

CARDIOLOGY ONLINE

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



SOCIAL PROGRAM

Thursday, July 13, 2017

GET –TOGETHER RECEPTION

18:00 – 19:00

Registered participants are invited to the Get-Together Reception, which will take place in the Exhibition and Poster Hall on the third floor of the Hyatt Regency Vancouver

Saturday, July 15, 2017

20:00

FAREWELL DINNER (Optional)

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



LIST OF EXHIBITORS

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

■ **Astra Zeneca**

1800 Concord Pike
Wilmington, DE, 19850
USA

Astra Zeneca – A global, science-led biopharmaceutical business with innovative medicines used by millions of patients worldwide.

■ **VitalAire Canada Inc.**

#210 – 9087B 198 St
Langley, BC, V1M 3B1
Canada

Having over 40 years of experience caring for people with respiratory problems in the community, VitalAire is nationally accredited with exemplary standing in BC assuring excellence in respiratory assessment and patient care. VitalAire works collaboratively with healthcare practitioners in the diagnosis and management of Obstructive Sleep Apnea and management of COPD providing effective sleep and oxygen solutions.



ANNUAL
SCIENTIFIC
SESSIONS 2017

VANCOUVER
BC, CANADA

2017



INTERNATIONAL
ACADEMY OF
CARDIOLOGY

**INTERNATIONAL ACADEMY OF CARDIOLOGY
ANNUAL SCIENTIFIC SESSIONS 2017
22nd WORLD CONGRESS ON
HEART DISEASE**

VANCOUVER, BC, CANADA, JULY 14 – 16, 2017



**SCIENTIFIC
PROGRAM**

**SCIENTIFIC
PROGRAM**

Friday, July 14, 2017

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

Garwood Gee, USA

President, California Chapter

American College of Cardiology

Samia Mora, USA

Member, Scientific Executive Committee

Chair, Section of Preventive Cardiology

International Academy of Cardiology

PRESENTATION OF 2017 AWARDS

John A. Elefteriades, USA

Jeffrey S. Borer, USA

FRIDAY, JULY 14, 2017

09:45 – 10:15

Hall A

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

Chair: **M.E. Cain**, Buffalo, NY, USA

Abstract No.

09:45 INTRODUCTION
M.E. Cain, Buffalo, NY, USA

09:50 IMPROVEMENT IN QUALITY OF CARE FOR ATRIAL FIBRILLATION IN GET WITH THE GUIDELINES – ATRIAL FIBRILLATION (GWTG-AFIB) (Opening Lecture) **143**
A.B. Curtis, J.P. Piccini, G.C. Fonarow, J. Butler, N. Desai, M. Fang, P. McCabe, R.L. Page, M. Turakhia, W. Lewis
University at Buffalo, Buffalo, NY, USA

10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

FRIDAY, JULY 14, 2017

10:45 – 12:45

Hall A

PL01 Plenary Session
STEPS FORWARD IN THE MANAGEMENT OF ADVANCED HEART FAILURE

Chairs: **M.R. Johnson**, Madison, WI, USA
N. Nair, Lubbock, TX, USA

Abstract No

- | | | |
|-------|---|-----|
| 10:45 | A BRIEF HISTORY OF THE DEVELOPMENT OF MECHANICAL CIRCULATORY SUPPORT (MCS) (Invited Lecture)
F.A. Arabia
Cedars-Sinai Heart Institute, Los Angeles, CA, USA | 001 |
| 11:00 | IMPROVING QUALITY OF LIFE IN PATIENTS WITH CHRONIC HEART FAILURE: OVERCOMING EXERCISE INTOLERANCE (Invited Lecture)
H.N. Sabbah , Henry Ford Hospital, Detroit, MI, USA | 002 |
| 11:15 | ROLE OF ISOLATED ULTRAFILTRATION IN THE MANAGEMENT OF CHRONIC REFRACTORY AND ACUTE DECOMPENSATED HEART FAILURE (Invited Lecture)
M.A. Alpert
University of Missouri, Columbia, MO, USA | 003 |
| 11:30 | TEMPORARY MECHANICAL SUPPORT FOR THE RIGHT VENTRICLE: PRE-IMPLANT PATIENT SELECTION, DEVICE RECIPIENT SURVEILLANCE AND WEANING OF PATIENTS FROM THE SUPPORT SYSTEM (Invited Lecture)
M. Dandel
Deutsches Herzzentrum, Berlin, Germany | 004 |
| 11:45 | DO NEW STUDIES/DEVICES TIP THE BALANCE TO EARLIER LVAD IMPLANTATION?
(Invited Lecture)
M.R. Johnson
University of Wisconsin School of Medicine and Public Health, Madison, WI, USA | 005 |
| 12:00 | VADS IN THE ELDERLY: A VIABLE OPTION (Invited Lecture)
N. Nair
Texas Tech Health Sciences Center, Lubbock, TX, USA | 006 |
| 12:15 | SODIUM RESTRICTION IN CHRONIC HEART FAILURE: TAKE IT WITH A PINCH OF SALT? (Invited Lecture)
R. Doukky
Cook County Health and Hospitals System, Chicago, IL, USA | 007 |
| 12:30 | IMPROVING CARDIAC FUNCTION IN PULMONARY ARTERIAL HYPERTENSION: IS THERE A ROLE FOR EXERCISE TRAINING? (Invited Lecture)
D. Moreira-Goncalves , M. Santos, R. Ferreira, A.F. Leite-Moreira, J.A. Duarte, T. Henriques-Coelho
University of Porto, Porto, Portugal | 008 |
| 12:45 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION | |

**PL02 Plenary Session
INSIGHTS FROM MULTIMODALITY CARDIOVASCULAR IMAGING**

Chairs: **J.J. Mahmarian**, Houston, TX, USA
G-P. Shi, Boston, MA, USA

Abstract No

- | | | |
|-------|---|-----|
| 10:45 | OCT-GUIDED VS IVUS-GUIDED PCI (Invited Lecture)
T. Kubo , T. Akasaka
Wakayama Medical University, Wakayama, Japan | 009 |
| 11:00 | THE COMPLEMENTARY ROLE OF ANATOMY AND PHYSIOLOGY IN PREDICTING PATIENT OUTCOME: WHERE DO CARDIAC CT AND STRESS MYOCARDIAL PERFUSION IMAGING FIT? (Invited Lecture)
J.J. Mahmarian
Weill Cornell Medical College, Houston Methodist Hospital, Houston, TX, USA | 010 |
| 11:15 | EVALUATION OF CORONARY ARTERY DISEASE IN OBESE PATIENTS. THE ROLE OF NON-INVASIVE CARDIAC IMAGING (Invited Lecture)
A. Elhendy
Marshfield, WI, USA | 011 |
| 11:30 | Na ⁺ -H ⁺ EXCHANGER 1 DETERMINES ATHEROSCLEROTIC LESION ACIDIFICATION AND PROMOTES ATHEROGENESIS (Invited Lecture)
C-L. Liu, S. Achilefu, M. Nahrendorf, P. Libby, G-P. Shi
Brigham and Women's Hospital and Harvard Medical School, Boston, USA | 012 |
| 11:45 | INTEGRATED APPROACH TO INTRAVASCULAR IMAGING- CURRENT AND NOVEL TECHNIQUES (Invited Lecture)
S.K. Koshy , L.K. George
University of Tennessee Health Sciences Center, Memphis, TN, USA | 013 |
| 12:00 | COMPARISON OF COMPUTED TOMOGRAPHY DERIVED FRACTIONAL FLOW RESERVE TO INVASIVE FRACTIONAL FLOW RESERVE IN DIAGNOSIS OF FUNCTIONAL CORONARY STENOSIS (Invited Lecture)
R. Sachdeva
Morehouse School of Medicine, Atlanta, Georgia, USA | 014 |
| 12:15 | DETERMINATION OF OPTIMAL VIEWING ANGLES FOR X-RAY CORONARY ANGIOGRAPHY BASED ON A QUANTITATIVE ANALYSIS OF 3D RECONSTRUCTED MODELS (Invited Lecture)
J.A. Garcia
Orlando Health -Mid-Florida Cardiology, Orlando, FL, USA | 015 |

FRIDAY, JULY 14, 2017

10:45 – 13:15

Hall B

PL02 Plenary Session

INSIGHTS FROM MULTIMODALITY CARDIOVASCULAR IMAGING (cont.)

Abstract No

- | | | |
|-------|---|-----|
| 12:30 | ECHOCARDIOGRAPHIC QUANTITATION OF MITRAL REGURGITATION
(Invited Lecture)
H.P. Chaliki
Mayo Clinic, Scottsdale, AZ, USA | 016 |
| 12:45 | FOCUSED READING SESSIONS IMPROVE CORRELATION OF
ECHOCARDIOGRAPHIC ASSESSMENT OF RIGHT VENTRICULAR SYSTOLIC
FUNCTION WITH RIGHT VENTRICULAR EJECTION FRACTION BY CARDIAC
MAGNETIC RESONANCE IMAGING (Invited Lecture)
B. Xu, R. Grimm, C. Jellis, M. Desai, D. Phelan, P. Collier, M. Thamilarasan, K.Sato,
Z. Popovic
Heart and Vascular Institute, Cleveland Clinic, OH, USA | 017 |
| 13:00 | EVIDENCE-BASED USE OF HANDHELD ULTRASOUND IN CLINICAL
CARDIOLOGY (Invited Lecture)
I. Kedan
Cedars Sinai Heart Institute, Los Angeles, CA, USA | 018 |
| 13:15 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION | |

FRIDAY, JULY 14, 2017

10:45 – 13:00

Hall C

PL03 Plenary Session	
CELLULAR AND MOLECULAR BIOLOGY TARGETS FOR CLINICAL CARE IN CARDIOVASCULAR DISEASE	
Chairs:	T. Malinski , Athens, OH, USA N. Maulik , Farmington, CT, USA
	Abstract No
10:45	NEW MOLECULAR TARGETS OF VEGF SIGNALING IN CARDIOVASCULAR DISEASE (Invited Lecture) 019 N. Maulik , M. Thirunavukkarasu, V. Coca-Soliz, V. Selvaraju, L. Tapias University of Connecticut Health Center, Farmington, CT, USA
11:00	IMMUNE CELL ALTERATIONS IN HEART FAILURE (Invited Lecture) 020 S.D. Prabhu , University of Alabama at Birmingham, Birmingham, AL, USA
11:15	ANGIOGRAPHIC CONTRAST-INDUCED VASCULAR AND RENAL TOXICITY – A NANOMEDICAL APPROACH (Invited Lecture) 021 T. Malinski , H. Dawoud, M. Wagner Ohio University, Athens, Ohio, USA
11:30	VASCULOPROTECTIVE ROLE OF NATRIURETIC PEPTIDE RECEPTOR C (Invited Lecture) 022 M.B. Anand-Srivastava University of Montreal, Montréal, Québec, Canada
11:45	ROLE OF APELIN/APELIN RECEPTOR AXIS IN HEART DISEASE: THERAPEUTIC ROLE OF APELIN ANALOGUES (Invited Lecture) 023 G.Y. Oudit , University of Alberta, Edmonton, Alberta, Canada
12:00	ENDOTHELIN-1 AND CORONARY VASOMOTOR DYSFUNCTION: ROLE OF P38 KINASE AND NADPH OXIDASE (Invited Lecture) 024 L. Kuo , T.W. Hein Texas A&M Health Science Center and Baylor Scott & White Health, Temple, TX, USA
12:15	BETA3-ADRENOCEPTORS, CATECHOLAMINES AND STRESS (Invited Lecture) 025 D. Jezova , A. Csanova Biomedical Research Center, Slovak Academy of Sciences, Bratislava, Slovakia
12:30	REPETITIVE TRANSIENT ISCHEMIA-INDUCED CARDIAC ANGIOGENESIS IS MEDIATED BY CaMKII β ACTIVATION (Invited Lecture) 026 Y.G. Wang Zhongnan Hospital of Wuhan University, Wuhan University, Wuhan, China
12:45	A NOVEL CELL PENETRATING PEPTIDE, CARDIAC TARGETING PEPTIDE APPEARS TO UTILIZE CARDIAC CHANNELS FOR TRANSDUCTION (Invited Lecture) 027 M. Zahid , University of Pittsburgh, Pittsburgh, PA, USA
13:00	LUNCH BREAK, VISIT POSTERS AND EXHIBITION

FRIDAY, JULY 14, 2017

08:00 – 13:00

Poster Hall

P101 VASCULAR BIOLOGY, BASIC RESEARCH

Board No.

Abstract No.

- 1 PEROXIREDOXIN1 NORMALIZES MACROPHAGE LIPOPHAGIC FLUX IN ATHEROSCLEROSIS **028**
S.J. Jeong, S. Kim, **G.T. Oh**, Ewha Womans University, Seoul, Republic of Korea
- 2 THE PROTECTIVE EFFECTS OF EICOSAPENTAENOIC ACID ARE TRIGGERED UNUSUAL MECHANISMS OF CA²⁺ RELEASE AND CA²⁺ INFLUX IN MOUSE CEREBRAL CORTICAL ENDOTHELIAL CELLS **029**
K.L. Wong, C.W. Cheung, Y.M. Leung
China Medical University Hospital, Taichung, Taiwan

P102 CARDIOVASCULAR PHARMACOLOGY AND DRUG THERAPY

- 3 NOVEL APPLICATIONS OF CALCIUM CHANNEL BLOCKERS: A NEW INSIGHT TO CARDIAC DRUGS **030**
N. Motayagheni, A. Hyre, M. Mirzazadeh, S. Subashchandrabose, A. Atala
Institute for Regenerative Medicine, Wake Forest, NC, USA
- 4 BETA-BLOCKER THERAPY IN COCAINE USERS WITH HEART FAILURE: INSIGHTS FROM AN URBAN ACADEMIC CENTER **031**
O.E. Egbuiche, A. Maihemuti, V.S Effoe, H. Millard, L. Addae, D. Adedinsewo, A. Onwuanyi
Morehouse School of Medicine, Atlanta, Georgia, USA

P103 EXERCISE PHYSIOLOGY; BASIC AND CLINICAL

- 5 RELATIONSHIP BETWEEN ABDOMINAL VISCERAL FAT AND BLOOD PRESSURE RESPONSE DURING EXERCISE IN NORMOTENSIVE POPULATION **032**
H.J. Joo, S.H. Lee, J.H. Park, S.J. Hong, C.W. Yu, D.S. Lim
Korea University Anam Hospital, Seoul, South Korea
- 6 MITOCHONDRIAL PROTEIN HYPERACETYLATION IN SKELETAL MUSCLE IS ASSOCIATED WITH EXERCISE INTOLERANCE IN MURINE MODEL OF POST-INFARCT HEART FAILURE **033**
M. Tsuda, **A. Fukushima**, J. Matsumoto, T. Shingo, T. Furihata, T. Nakajima, T. Katayama, N. Kakutani, T. Yokota, S. Kinugawa
Hokkaido University Graduate School of Medicine, Sapporo, Japan
- 7 RELATION OF N-TERMINAL PRO B-TYPE NATRIURETIC PEPTIDE AND LEFT VENTRICULAR DIASTOLIC FUNCTION TO EXERCISE TOLERANCE IN PATIENTS WITH SIGNIFICANT VALVULAR HEART DISEASE AND NORMAL LEFT VENTRICULAR SYSTOLIC FUNCTION **034**
S.J. Park, J.W. Hwang, E.K. Kim, G.Y. Lee, S.A. Chang, J.O. Choi, S.C. Lee, S.W. Park
Samsung Medical Center, Seoul, South Korea
- 8 MARATHON AND THE HEART: THE GOOD, THE BAD, THE UGLY **035**
A.K Shaikh, F. Rotatori
Richmond University Medical Center Staten Island, NY, USA
- 9 GLUCOCORTICOID RECEPTOR REGULATES FNDC5 TRANSCRIPTION **036**
H.K. Kim, Y.J. Jeong, I.S. Song, Y.H. Noh, K.W. Seo, M. Kim, **J. Han**
Cardiovascular and Metabolic Disease Center, Inje University, Busan, Korea

FRIDAY, JULY 14, 2017

08:00 – 13:00

Poster Hall

P104 SYSTEMIC AND PULMONARY HYPERTENSION

Board No.		Abstract No.
10	MITOCHONDRIAL TRNA MUTATION WITH HIGH-SALT STIMULATION ON CARDIAC DAMAGE: UNDERLYING MECHANISM ASSOCIATED WITH CHANGE OF BAX AND VDAC C. Zhu , L.Y. Tian, N. Li, Q. Chen, Z.Q. Cai, Y. Li, Y.Q. Liu General Hospital of People's Liberation Army, Beijing, China	037
11	POTENTIAL EFFECT OF ALCOHOLIC EXTRACT OF LEAVES OF OCIMUM SANCTUM IN MONOCROTALINE-INDUCED PULMONARY ARTERY HYPERTENSION IN RATS H. Meghwani , P. Prabhakar, S. Seth, R. Ray, M.P. Hote, S.K. Maulik, S. Banerjee All India Institute of Medical Sciences (AIIMS), New Delhi, India	038
12	SUBLINGUAL VERSUS ORAL CAPTOPRIL FOR DECREASING BLOOD PRESSURE M. Mousavi , N. Razavianzadeh, M. Armin Alborz University of Medical Sciences, Shaheed Raiaei Hospital, Karaj, Iran	039

P105 CHRONIC KIDNEY DISEASE AND CARDIOVASCULAR DISEASE

13	UNDERLYING RHEUMATIC HEART DISEASE HAD GREATER RISK OF INFECTIVE ENDOCARDITIS IN TAIWAN DIALYSIS PATIENTS M.T. Chou , W.S. Wu, C.C. Chien Ch-i-Mei Medical Center, Tainan, Taiwan	040
14	MECHANICAL DEVICE FOR THE MANAGEMENT OF CARDIO-RENAL SYNDROME L.W. Miller Leonhardt Ventures, Tampa, FL, USA	041
15	ASSOCIATION OF CORONARY ARTERY CALCIFICATION AND ARTERIAL MICRO-CALCIFICATION OF THE VASCULAR ACCESS IN INCIDENTAL HEMODIALYSIS PATIENTS S.Y. Bahk , Y.S. Kim, Y.O. Kim College of Medicine, The Catholic University of Korea, Uijeongbu, Korea	042

P106 PEDIATRIC CARDIOLOGY AND CONGENITAL HEART DISEASE

16	MYOCARDIAL ISCHEMIA ASSOCIATED WITH INTER-ARTERIAL VARIANTS OF ISOLATED SINGLE CORONARY ARTERY A. Sinha , R. Kumar, J. Shirani Saint Luke's University Health Network, PA, USA	043
17	REABSORBABLE PINS CAN REINFORCE AN EARLY STERNAL STABILITY AFTER MEDIAN STERNOTOMY IN YOUNG CHILDREN WITH CONGENITAL HEART DISEASE C. Fan , S. Wu, J. Yang The Second Xiangya Hospital, Central South University, Changsha, China	044

FRIDAY, JULY 14, 2017

08:00 – 13:00

Poster Hall

P106 CARDIOLOGY AND CONGENITAL HEART DISEASE (cont.)

Board No.		Abstract No.
18	MYOCARDIAL ISCHEMIA CAUSED BY ISOLATED SINGLE CORONARY ARTERY IN PEDIATRIC POPULATION A. Sinha , R. Kumar, J. Shirani Saint Luke's University Health Network, PA, USA	045
19	GERBODE DEFECT IN AN ADULT PATIENT: A VERY RARE ENTITY R. Malik, S. Hussain, H. Keshmiri , S. Danciu Advocate Illinois Masonic Medical Center, Chicago, IL, USA	047
20	HETEROTAXY SYNDROME IN AN ADULT: A RARE PRESENTATION A. Sharma , P. Garcia, S. Nadaraj, D. Penigalapati Saint Peter's University Hospital/ Rutgers Robertwood Johnson Medical School, New Brunswick, NJ, USA	048
21	EXCEPTIONAL SURVIVAL OF A DOUBLE INLET LEFT VENTRICLE: A RARE CASE A.L. Schenone, A. Addoumieh, D. Majdalany Heart and Vascular Institute, Cleveland Clinic, Cleveland, OH, USA	049

P107 MEASUREMENT OF OUTCOME AND QUALITY OF CARDIOVASCULAR CARE

22	PREDICTING HOSPITALIZATION OUTCOMES BASED ON HEART D. Chang , K. Gu, J. Shin, S. Hasni Drexel University, Philadelphia, PA, USA	050
23	ORTHOSTATIC VITALS IN THE EVALUATION OF SYNCOPE: KNOWLEDGE, ATTITUDE AND PRACTICE OF HEALTH CARE PROVIDERS (HCPS) A.C. Atanda , G. Samuel, D. Bekele, Y. Paul, A. Gebreselassie, D. Larbi Howard University Hospital, Washington DC, USA	051
24	CUSTOMIZED QUALITY IMPROVEMENT FOR ECHOCARDIOGRAPHY D.R. Chilton , B.L. Hansen, P.L. Rowland, D.E. Langholz Spectrum Health Frederik Meijer Heart and Vascular Institute, Grand Rapids, MI, USA	052
25	MISUSE OF CARDIAC TROPONIN IN THE OUTPATIENT SETTING: A SINGLE-CENTER RETROSPECTIVE ANALYSIS S.J. Ross , D.J. Cordiner, S.A. Noutong Njapo, D.E. Winchester University of Florida, Gainesville, FL, USA	053
26	PREVALENCE AND PATTERNS OF CARE IN CARDIAC TROPONIN SUPERUSERS S.M. Taasan, S.J. Ross , D.E. Winchester University of Florida, Gainesville, FL, USA	054

FRIDAY, JULY 14, 2017

14:00 – 16:00

Hall A

PL04	Plenary Session CARDIOVASCULAR DISEASE: DIFFERENT STRATEGIES FOR PRIMARY AND SECONDARY PREVENTION	
	Chairs: U. Thadani , Oklahoma City, OK, USA N.K. Wenger , Atlanta, GA, USA	Abstract No.
14:00	ASPIRIN FOR THE PRIMARY PREVENTION OF CARDIOVASCULAR DISEASE: ADVANCES IN DIAGNOSIS AND TREATMENT (Invited Lecture) S. Mora Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA	055
14:15	OPTIMIZING STATIN UTILIZATION AND TREATMENT ADHERENCE AMONG PATIENTS WHO DISCONTINUE STATINS DUE TO ADVERSE MUSCLE EVENTS (Invited Lecture) R.S. Rosenson Icahn School of Medicine at Mount Sinai, New York, NY, USA	056
14:30	GERIATRIC CARDIOLOGY: OCTOGENARIAN PEARLS (Invited Lecture) N.K. Wenger , Emory University School of Medicine, Atlanta, GA, USA	057
14:45	MANAGEMENT OF STABLE ANGINA-EUROPEAN, CANADIAN, BRITISH AND AMERICAN SCIENTIFIC SOCIETY GUIDELINES: A CRITICAL APPRAISAL (Invited Lecture) U. Thadani OUHSC; Medical Center and VA Medical Center Oklahoma City, OK, USA	058
15:00	COMBINATION THERAPY OF LIPID DISORDERS. CAN WE REDUCE THE RESIDUAL RISK EFFECTIVELY? M. Banach Medical University of Lodz (MUL), Lodz, Poland	059
15:15	AHA'S CARDIOVASCULAR HEALTH METRICS, COPD, AND CVD (Invited Lecture) H. Lee , W. Fan, A. Lee, C. Kieu, N. Wong University of California, Irvine, Irvine, CA, USA	060
15:30	ACTIVATION OF ADIPONECTIN RECEPTOR INDUCES PROPROTEIN CONVERTASE SUBTILISIN/KEXIN TYPE 9 EXPRESSION BUT AMELIORATES LIPID PROFILES IN MICE (Invited Lecture) L. Sun, X. Yang, Y. Chen, Y. Duan, J. Han Nankai University, Tianjin, China	061
15:45	TRENDS OF CARDIOVASCULAR RISK FACTORS (FRAMINGHAM RISK SCORE) IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION (Invited Lecture) Y. Plakht , A. Shiyovich; A. Abu-Eid, H. Gilutz Ben-Gurion University of the Negev, Beer-Sheva, Israel	062
16:00	COFFEE BREAK, VISIT EXHIBITION	

FRIDAY, JULY 14, 2017

14:00 – 16:45

Hall A

PL05 Plenary Session

CARDIAC ARRHYTHMIAS AND SUDDEN DEATH

Chairs: **M.E. Cain**, Buffalo, NY, USA
S.C. Dudley, Minneapolis, MN, USA

Abstract No.

- | | | |
|-------|--|-----|
| 14:00 | WHY IT IS TIME TO ABANDON THE ALMOST 100 YEAR OLD WAYS TO ADJUST THE QT INTERVAL FOR HEART RATE AND ADOPT A NEW MODERN APPROACH (Invited Lecture)
S.W. Rabkin
University of British Columbia, Vancouver, BC, Canada | 063 |
| 14:15 | IL-1 β INDUCES CARDIAC ARRHYTHMIA IN DIABETES THROUGH ROS REGULATION (Invited Lecture)
S.C. Dudley
University of Minnesota, Minneapolis, MN, USA | 064 |
| 14:30 | NEW ELECTROCARDIOGRAPHIC PREDICTORS OF SUDDEN CARDIAC DEATH (Invited Lecture)
M.E. Cain
University at Buffalo, Buffalo, NY, USA | 065 |
| 14:45 | THE PROGNOSTIC IMPACT OF SINGLE EXTRA-STIMULUS ON PROGRAMMED VENTRICULAR STIMULATION IN BRUGADA PATIENTS WITHOUT PREVIOUS CARDIAC ARREST (Invited Lecture)
M. Takagi , Kansai Medical University, Moriguchi, Japan | 066 |
| 15:00 | UPDATE ON CHEST COMPRESSION ONLY CPR FOR WITNESS CARDIAC ARREST VICTIMS (Invited Lecture)
M.R. Movahed
CareMore, University of Arizona, College of Medicine, Tucson, AZ, USA | 067 |
| 15:15 | CARDIAC RYANODINE RECEPTOR CHANNELOPATHY (Invited Lecture)
M. Horie , S. Ohno, Y. Wada, H. Itoh, Y. Fujii, K. Dochi, M. Kawamura, K. Hasegawa, K. Sasaki, T. Makiyama
Shiga University of Medical Sciences, Otsu, Japan | 068 |
| 15:30 | RISK STRATIFICATION IN PEDIATRIC ASYMPTOMATIC WOLFF-PARKINSON-WHITE PATTERN: THE ONGOING DEBATE (Invited Lecture)
M.J. LaPage , University of Michigan Congenital Heart Center, Ann Arbor, MI, USA | 069 |
| 15:45 | COFFEE BREAK, VISIT EXHIBITION | |

FRIDAY, JULY 14, 2017

14:00 - 16:15

Hall C

PL06 Plenary Session

AORTIC AND PERIPHERAL ARTERIAL DISEASE: BASIC AND CLINICAL STUDIES

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

Abstract No.

- | | | |
|-------|---|-----|
| 14:00 | MOLECULAR REGULATION OF EXTRACELLULAR MATRIX IN VASCULAR AGING (Invited Lecture)
Y. Chen , University of Alabama at Birmingham, Birmingham, AL, USA | 070 |
| 14:15 | CYCLIC AMP ATTENUATES ANGIOTENSIN –II –INDUCED EXPRESSION OF EGR-1 VIA PKA-DEPENDENT PATHWAY IN VSMC (Invited Lecture)
A.K. Srivastava
CRCHUM, Montreal, Quebec, Canada | 071 |
| 14:30 | ESTIMATION OF IMMEDIATE PRE-DISSECTION AORTIC DIAMETER – IMPORTANT AND SURPRISING INFORMATION (Invited Lecture)
J.A. Elefteriades
Yale University School of Medicine, New Haven, CT, USA | 072 |
| 14:45 | THROMBOEMBOLIC COMPLICATIONS OF ABDOMINAL AORTIC ANEURYSM: PATHOGENETIC MECHANISMS AND LESSONS FROM PRINZMETAL'S ANGINA (Invited Lecture)
S.D. Gertz , D. Gilon, R. Beerli, C. Rubinstein, L. Gavish
The Hebrew University, Jerusalem, Israel | 073 |
| 15:00 | CAN PRESENCE OF AORTIC PLAQUE PREDICT CORONARY HEART DISEASE? (Invited Lecture)
T. Tomaru , T. Matsubara, E. Matsubara
Toho University Medical School, Tokyo, Japan | 074 |
| 15:15 | THE CLINICAL IMPORTANCE OF CARDIAC CALCIFICATIONS (Invited Lecture)
G.S. Pressman
Einstein Medical Center, Philadelphia, PA, USA | 075 |
| 15:30 | DILATED AORTA: IS IT SAFE TO PERFORM EXERCISE ECHOCARDIOGRAPHY? (Invited Lecture)
M. Prokudina , N. Malinina, P. Mochalov, E. Bobrova, E. Karev, S. Verbilo
Federal Medical Research Center. St Petersburg, Russia | 076 |
| 15:45 | NOVEL BIODEGRADABLE STENT FOR USE IN CONGENITAL HEART DISEASE
S.R. Veeram Reddy , T. Welch, J. Wang, M. Riegel, J. Richardson, M. Hussain, G. Greil, J. Forbess, A. Nugent
University of Texas Southwestern Medical Center, Dallas, Texas, USA | 077 |
| 16:00 | SURGICAL MANAGEMENT OF AORTIC ROOT ABSCESS (Invited Lecture)
M.A. Borger
Heart Center, University Leipzig, Leipzig, Germany | |
| 16:15 | COFFEE BREAK, VISIT EXHIBITION | |

S21	Session	Abstract No.
	HYPERTENSION, LIPIDS, DIABETES MELLITUS AND CARDIOVASCULAR DISEASE – FROM BENCH TO BEDSIDE	
	Chairs: M.A. Alpert , Columbia, MO, USA R.S. Rosenson , New York, USA	
16:30	INFLUENCE OF DIASTOLIC BLOOD PRESSURE ON ADVERSE OUTCOMES IN TREATMENT OF HYPERTENSION S.H. Sundaravel , E.J. Venegas, M. Kabach, R. Chait, E. Donath University of Miami/Palm Beach Regional Consortium, Atlantis, Florida, USA	078
16:45	EFFECTS OF ADDING SODIUM-GLUCOSE COTRANSPORTER-2 INHIBITORS TO STANDARD CARE IN PATIENTS WITH TYPE 2 DIABETES A. Sharma , H. Kamran, S. Goel, D. Mukherjee State University of New York Downstate Medical Center, New York, NY, USA	079
17:00	COMPLETE CORONARY REVASCLARIZATION IN ST ELEVATION MYOCARDIAL INFARCTION IN HIGH-RISK PATIENTS: DIABETICS WITH MULTIVESSEL DISEASE R.A. Costantini, J.Mh. Telayna, J.M. Telayna Hospital Universitario Austral, Pilar, Argentina	080
17:15	MANAGEMENT OF HYPERTENSION USING AMBULATORY BLOOD PRESSURE MONITORING, A SAUDI EXPERIENCE A. Jelani, W. Ahmed, H.M. Ammar, I. Ali , M. Alshuaibi, M. Al-abdulathim King Abdulaziz Hospital, Alhasa, KSA	081
17:30	ROLE OF CGRP AND NO IN THE PROTECTIVE EFFECT OF TRANSCUTANEOUS ELECTRICAL STIMULATION IN DEVELOPMENT OF FRUCTOSE-INDUCED HYPERTENSION IN RATS V.K. Spiridonov, Z.S. Tolochko, T.A. Korolenko Institute of Physiol. and Basic Med., Novosibirsk, Russia	082
17:45	ASSOCIATION OF OBESITY TYPES WITH THE 10-YEAR CORONARY HEART DISEASE RISK IN TIBET AND XINJIANG AREA OF CHINA C.Y. Zheng , Z.W. Wang, Z. Chen, L.F. Zhang, X. Wang, Y. Dong, J.Y. Nie, J.L. Wang, L. Shao, Y. Tian Chinese Academy of Medical Sciences and Peking Union Medical College, Fuwai Hospital, Beijing, China	083
18:00	ISOLATED DIASTOLIC WHITE COAT HYPERTENSION M. Arulthasan , W. Sheu, D. Bloomfield Richmond University Medical Center, Staten Island, New York, USA	084
18:15	INTERVENTIONAL TREATMENT FOR RESISTANT HYPERTENSION: A SYSTEMATIC REVIEW T. Matos e Silva , C.R.B. Macedo, R. Aras, A.M. Gomes, Jr, J.Q.V. Muniz Federal University of Bahia; Faculdade de Medicina da Bahia, Brazil	085
18:30	PHARMACOKINETIC, SAFETY AND EFFICACY DATA OF CAPRE®, A NOVEL INVESTIGATIONAL OMEGA-3 DRUG DERIVED FROM KRILL OIL P. Lemieux, L. Harvey , J-F. Lapointe, R. Pop, H. Jordan, R.A. Hegele Acasti Pharma Inc., Laval, QC, Canada	086

FRIDAY, JULY 14, 2017

16:30 – 17:45

Hall B

S22

Session

PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY, CONGENITAL HEART DISEASE

Chairs: **A. Lorber**, Haifa, Israel
S.R. Veeram Reddy, Dallas, TX, USA

Abstract No.

- | | | |
|-------|---|-----|
| 16:30 | COMPARISON OF PERICARDIUM AND PULMONARY PATCH FOR AORTIC COARCTATION COMBINING HYPOPLASTIC ARCH IN INFANTS
H.T. Xu , J. Yan
National Center for Cardiovascular Disease and Fuwai Hospital, Chinese Academy of Medical Sciences, Peking Union Medical College, Beijing, China | 087 |
| 16:45 | ATRIAL FIBRILLATION AND STROKE IN PATIENTS WITH REPAIRED TETRALOGY OF FALLOT
C. Tsui , D. Wan, J. Grewal, M. Kiess, A. Barlow, D. Human, A. Krahn, S. Chakrabarti
University of British Columbia, Vancouver, BC, Canada | 088 |
| 17:00 | UN-ROOFING A MYOCARDIAL BRIDGE
S. Mok, D. Majdalany , C. Pettersson
Cleveland Clinic, Cleveland, OH, USA | 089 |
| 17:15 | LATE PRESENTATION OF SYMPTOMATIC ANOMALOUS LEFT MAIN CORONARY ARTERY
U. Batnyam , J. Mellone, A. Javaid
University of Central Florida, College of Medicine, Orlando, FL, USA | 090 |
| 17:30 | PROGNOSTIC VALUE OF RED BLOOD CELL DISTRIBUTION WIDTH IN PEDIATRIC PATIENTS WITH CONGENITAL HEART DISEASE
D. Li , X. Wang, J.X. Yang, T. Pan
Fuwai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, P.R. China | 091 |

S23

Session

MOLECULAR CARDIOLOGY AND VASCULAR BIOLOGY, BASIC RESEARCH

Chairs: **P.K. Singal**, Winnipeg, MB, Canada
D.K. Singla, Orlando, FL, USA

Abstract No.

- | | | |
|-------|--|-----|
| 16:30 | <p>SPINAL CORD INJURY-INDUCED SYSTOLIC DYSFUNCTION IS ASSOCIATED WITH CARDIOMYOCYTE ATROPHY AND UP-REGULATION OF PROTEOLYTIC PATHWAYS</p> <p>M. Poornasjedi-Meibod, J.W. Squair, M. Mansouri, C.R. West
 International Collaboration on Repair Discoveries (ICORD), Faculty of Medicine, University of British Columbia, Canada</p> | 092 |
| 16:45 | <p>DPP-4 INHIBITION BY LINAGLIPTIN PREVENTS CARDIAC DYSFUNCTION AND INFLAMMATION BY TARGETING THE NLRP3/ASC INFLAMMASOME</p> <p>Y. Ye, M. Bajaj, Y. Birnbaum
 UTMB, Galveston, TX, USA</p> | 093 |
| 17:00 | <p>DOWNREGULATED CAVEOLIN-1 EXPRESSION PLAYS A POTENTIAL ROLE IN CORONARY ARTERY SPASM BY INDUCING NITRIC OXIDE PRODUCTION IN VITRO</p> <p>X.M. Cao, X.T. Song
 Daxing Hospital, Capital Medical University, Beijing, China106</p> | 094 |
| 17:15 | <p>EFFECTS OF A DISINTEGRIN AND METALLOPROTEASE 10 ON CORONARY ARTERY IN-STENT RESTENOSIS WITH DIABETES</p> <p>L. Wu, Y. Wang, Q. Cai, K. Yang, J. Cao
 Ruijin Hospital, Shanghai Jiaotong University School of Medicine, Shanghai, P.R. China</p> | 095 |
| 17:30 | <p>DIFFERENTIAL ROLES OF THE FULL-LENGTH AND N-TERMINAL FRAGMENT OF SERUM RESPONSE FACTOR ON CARDIOMYOCYTE DIFFERENTIATION FROM CARDIAC STEM CELLS</p> <p>H. Lei, K.K. Wang, Y.N. Jia, X.M. Liao, Y.Q. Kong, S.S. Wang, Z.H. Shen, Y.Y. Wu, W. Jie, J.L. Guo
 Hainan Medical University-Haikou, Hainan, China</p> | 096 |
| 17:45 | <p>ROLE OF VASCULAR AUTOPHAGY IN HYPERTENSION AND HYPOTENSIVE EFFECTS OF TETRAHYDROXYSTILBENE GLYCOSIDE IN OBESE RATS</p> <p>Q. Dong, W. Xing, S. Wang, F. Gao, H. Zhang
 Fourth Military Medical University, Xi'an, China</p> | 097 |
| 18:00 | <p>ACTIVITY AND EXPRESSION OF CHITOTRIOSIDASE IN A MURINE MODEL OF LIPEMIA INDUCED BY POLOXAMER 407 AND EFFECTIVE HYPOLIPIDEMIC PRETREATMENT</p> <p>A.B. Shintyapina, T.A. Korolenko, T.P. Johnston, M.V. Khrapova, N.V. Goncharova, N.P. Bgatova
 Institute of Physiology and Basic Medicine, Novosibirsk, Russia
 Mayo Clinic, Arizona, USA</p> | 098 |



INTERNATIONAL
ACADEMY OF
CARDIOLOGY

**INTERNATIONAL ACADEMY OF CARDIOLOGY
ANNUAL SCIENTIFIC SESSIONS 2017
22nd WORLD CONGRESS ON
HEART DISEASE**

VANCOUVER, BC, CANADA, JULY 14 – 16, 2017



**SCIENTIFIC
PROGRAM**

**SCIENTIFIC
PROGRAM**

Saturday, July 15, 2017

SATURDAY, JULY 15, 2017

08:30 – 10:30

Hall A

PL07 Plenary Session
VALVULAR AND STRUCTURAL HEART DISEASE – ASSESSMENT AND NOVEL TREATMENTS

Chairs: **S.H. Rahimtoola**, Los Angeles, CA, USA
J. Ye, Vancouver, BC, Canada

Abstract No.

- | | | |
|-------|---|-----|
| 08:30 | SUTURELESS VALVE ASSOCIATED A MINIMALLY INVASIVE APPROACH COVERS THE GAP BETWEEN TRANSCATHETER AORTIC VALVE IMPLANTATION AND CONVENTIONAL AORTIC VALVE REPLACEMENT (Invited Lecture)
A. Miceli
Istituto Clinico Sant' Ambrogio, Gruppo Ospedaliero San Donato, Milano, Italy | 099 |
| 08:45 | TRANSCATHETER AORTIC VALVE IMPLANTATION FOR PURE AORTIC REGURGITATION (Invited Lecture)
J. Ye
St. Paul's Hospital, University of British Columbia, Vancouver, BC, Canada | 100 |
| 09:00 | VALVE PROSTHESIS - PATIENT MISMATCH: AN UPDATE - CLEAR THE CONFUSION AND SIMPLIFY (Invited Lecture)
G. Huang , S.H. Rahimtoola.
Methodist Hospital of Southern California; University of Southern California, CA, USA | 101 |
| 09:15 | WHEN ANSWERS CANNOT BE FOUND IN THE TEXTBOOK – MAKING DECISIONS IN CHILDREN WITH PROFOUND DISABILITIES (Invited Lecture)
A. Lorber , Rappaport Faculty of Medicine – Technion, Haifa, Israel | 102 |
| 09:30 | WnT SIGNALING IN ATHEROSCLEROSIS: THE OSTEOCARDIOLOGY GO/NO GO THEORY (Invited Lecture)
N.M. Rajamannan , Mayo Clinic, Rochester, MN, USA | 103 |
| 09:45 | TAVR FOR ALL COMERS WITH AORTIC STENOSIS: A DESTINATION TOO FAR? (Invited Lecture)
A.N. Cheema , University of Toronto, ON, Canada | 104 |
| 10:00 | PERICARDIAL CYSTS- REVISITED (Invited Lecture)
Y. Charuzi , R. Van Allan, J. Finkelstein-Boim, J. Mirocha
Cedars Sinai Medical Center, Los Angeles, USA | 105 |
| 10:15 | DA VINCI AORTIC AND NON-AORTIC SURGERY
P. Stadler , L. Dvoracek, P. Vitasek, P. Matous
Na Homolce Hospital, Prague, Czech Republic | 106 |
| 10:30 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

SATURDAY, JULY 15, 2017

08:30 – 10:15

Hall B

PL08 Plenary Session

INFLAMMATION AND CARDIOVASCULAR DISEASE: FROM PATHOGENESIS TO THERAPEUTIC TARGET

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

Abstract No.

- | | | |
|-------|---|-----|
| 08:30 | BEYOND SLICING AND DICING: CYSTEINE PROTEASE CATHEPSIN K A NOVEL TARGET FOR CARDIOMETABOLIC DISEASE (Invited Lecture)
S. Nair , University of Wyoming, Laramie, WY, USA | 108 |
| 08:45 | IL-10 AND TOLL LIKE RECEPTORS 2 AND 4 IN CARDIAC STRESS CONDITIONS (Invited Lecture)
P.K. Singal , A. Bagchi, P. Ayyappan, G. Akolkar
St. Boniface Hospital Albrechtsen Research Centre, University of Manitoba, Winnipeg, Manitoba, Canada | 109 |
| 09:00 | ACUTE CORONARY SYNDROMES: A ROLE FOR INFLAMMATION AND ITS RESOLUTION (Invited Lecture)
J.G. Filep
University of Montreal, Montreal, and Maisonneuve-Rosemont Hospital, Montreal, QC, Canada | 110 |
| 09:15 | INFLAMMATION, AUTOPHAGY AND MYOCARDIAL ISCHEMIA (Invited Lecture)
J.L. Mehta
University of Arkansas for Medical Sciences and CAVHS, Little Rock, AR, USA | 111 |
| 09:30 | LYSOPHOSPHATIDIC ACID IS THE CULPRIT MOLECULE INVOLVED IN BOTH ATHEROSCLEROSIS AND IN CANCER (Invited Lecture)
M. Navab , A. Chattopadhyay, P. Mukherjee, M. Hough, N. Dorreh, P. Martinez, Z. Zarina Barseghyan
David Geffen School of Medicine, University of California Los Angeles, USA | 112 |
| 09:45 | MODIFIED MYXOMAVIRAL SERPIN REACTIVE CENTER LOOP (RCL) PEPTIDE IMPROVES SURVIVAL AND OUTCOMES IN AN ACCELERATED LETHAL MOUSE INFLAMMATORY VASCULITIC SYNDROME MODEL (Invited Lecture)
A.R. Lucas , S. Ambadapadi, B. Mahon, R.M. Thomas, C. Jobin, S. Karst, S. Tibbetts, J.R. Yaron, S. Keinan, A. Varsani, G. McFadden
Biodesign Institute/ Arizona State University, Arizona & St Joseph's Hospital, Phoenix, AZ, USA | 113 |
| 10:00 | UPSTREAM MEDIATORS OF INFLAMMATION AND THE POTENTIAL TO UNLOCK PARADOXES OF AGE-RELATED DISEASE (Invited Lecture)
S. Cheng , Brigham and Women's Hospital, Boston, MA, USA | 114 |
| 10:15 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

SATURDAY, JULY 15, 2017

08:30 – 10:45

Hall C

S24	Session		
	CARDIOVASCULAR IMAGING MODALITIES FOR EVALUATION OF CORONARY CIRCULATION, CARDIAC STRUCTURE AND FUNCTION		
	Chairs: A. Elhendy , Marshfield, WI, USA T. Tomaru , Tokyo, Japan		Abstract No.
08:30	THE UTILITY OF ECHOCARDIOGRAPHY IN SYNCOPE EVALUATION W. Sheu , G. Faldu, S. Noriega, A. Dulku, D. Bloomfield Richmond University Medical Center, Staten Island, NY, USA		115
08:45	ASSESSMENT OF LEFT VENTRICULAR SEGMENTAL MASS IN HYPERTROPHIC CARDIOMYOPATHY BY THREE DIMENSIONAL ECHOCARDIOGRAPHY H. Salehi Austin Health, Melbourne, Victoria, Australia		116
09:00	SAFETY PROFILE OF ECHOCARDIOGRAPHIC CONTRAST AGENTS S. Kumar, C.S. Purtell , A. Peterson, P. Gibbons, J. Lindner, S. Heitner Oregon Health & Science University, Portland, OR, USA		117
09:15	CORONARY COMPUTED TOMOGRAPHY ANGIOGRAPHY AS A COST-EFFECTIVE TEST FOR CORONARY ARTERY DISEASE M. Gorenchtein, E. Wilson , T.J. Turco, A.N. Johnson, J.K. Hersh, K.A. Hebert Mount Sinai St. Luke's and Mount Sinai West Hospitals, New York, NY, USA		118
09:30	DOES MORPHOLOGY AND FUNCTION OF THE LEFT ATRIAL APPENDAGE CHANGE AS A RESULT OF MITRAL REGURGITATION? A.P. Ziganshina, E. Meoli, B.A. Ziganshin, J.A. Elefteriades , S.K. Mukherjee Western Connecticut Health Network, Danbury Hospital, Danbury, CT; Aortic Institute at Yale-New Haven Hospital, Yale University School of Medicine, New Haven, CT, USA		119
09:45	QUANTIFICATION OF PLEURAL EFFUSIONS BY TWO-DIMENSIONAL ECHOCARDIOGRAPHY S.A. Chang, D. McFarlane, J. Yim , K. Gin, J. Jue, P.K. Lee, P. Nair, M. Tsang, D. Thompson, T. Tsang University of British Columbia, Vancouver, BC, Canada		120
10:00	AUTONOMOUS HEART MURMUR DETECTION IN THE ELDERLY WITH VALVE DEFECTS R.A. Riedlbauer, E. Woelkhart, L. Lai, A.J. Reinisch, M.J. Unterberger, A.J. Schriefl CSD Labs, Graz, Styria, Austria		121
10:15	SYSTEMATIC REVIEW OF USING SIMULATION TO TEACH ECHOCARDIOGRAPHY C.A. Rambarat , J.M. Merritt, H.F. Norton, E. Black, D.E. Winchester UF Health Shands at the University of Florida, Gainesville, FL, USA		122
10:30	CARDIOVASCULAR ABNORMALITIES IN HIV PATIENTS AND THEIR ASSOCIATION WITH DURATION OF HAART AND CD4 COUNT A. Sharma , H. Dandu, A.K. Tripathi, S. Chandra Saint Peter's University Hospital/ Rutgers Robertwood Johnson Medical School, New Brunswick, NJ, USA		123
10:45	COFFEE BREAK, VISIT POSTERS AND EXHIBITION		

SATURDAY, JULY 15, 2017

11:00 – 13:15

Hall A

PL09 Plenary Session

IDENTIFICATION AND MODIFICATION OF NOVEL RISK FACTORS FOR CARDIOVASCULAR DISEASES

Chairs: **J.S. Borer**, New York, NY, USA
J. Shirani, Bethlehem, PA, USA

Abstract No.

- | | | |
|-------|---|-----|
| 11:00 | LIFESTYLE FACTORS AND THE IMPACT ON LIFETIME INCIDENCE AND MORTALITY OF CORONARY HEART DISEASE (Invited Lecture)
P.E. Puddu , A Menotti
Sapienza University of Rome, Italy | 124 |
| 11:15 | NEW CARDIOVASCULAR RISK FACTORS AND ENDOTHELIAL DYSFUNCTION (Invited Lecture)
C. Chen , J.M. Lu, Q. Yao
Baylor College of Medicine, Houston, TX, USA | 125 |
| 11:30 | PARADOXICAL HOOKAH SMOKING-INDUCED AUGMENTATION OF ENDOTHELIAL FUNCTION (Invited Lecture)
R.G. Victor , M. Rezk-Hanna, N.L. Benowitz, D.P. Tashkin, O.R. Mason, N. Li, R.M. Elashoff
Cedars-Sinai Medical Center, Los Angeles, CA, USA | 126 |
| 11:45 | CARDIOVASCULAR RISKS OF RECREATIONAL MARIJUANA USE (Invited Lecture)
J. Shirani
St. Luke's University Health Network, PA, USA | 127 |
| 12:00 | NON-STEROIDAL ANTI-INFLAMMATORY DRUGS IN PATIENTS WITH CORONARY ARTERY DISEASE: RELATIVE RISKS FROM THE PRECISION TRIAL (Invited Lecture)
J.S. Borer
SUNY Downstate Medical Center and College of Medicine, Brooklyn and New York, NY, USA, on behalf of the Executive Committee and other Co-Authors of PRECISION | 128 |
| 12:15 | NON-PLATELET THROMBOXANE GENERATION AS A NOVEL PREDICTOR OF MORTALITY (Invited Lecture)
J. Rade
University of Massachusetts Medical School, Worcester, MA, USA | 129 |
| 12:30 | HEALTHY WEIGHT, HEALTHY EATING AND ACTIVE LIFESTYLE REDUCE THE RISK OF HEART DISEASE AND STROKE (Invited Lecture)
H.S. Buttar , University of Ottawa, Ottawa, Ontario, Canada | 130 |
| 12:45 | A CURRENT UPDATE ON INFLUENZA AND CARDIOVASCULAR DISEASES (Invited Lecture)
M. Madjid , University of Texas at Houston HSC, Houston, TX, USA | 131 |
| 13:00 | BIG DATA IN CARDIOLOGY - WHERE WE SHOULD BE GOING AND WHY? (Invited Lecture)
R. Potluri
Aston Medical School, Birmingham, UK | 132 |
| 13:15 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION | |

SATURDAY, JULY 15, 2017

11:00 – 13:00

Hall B

PL10 Plenary Session
HEMODYNAMICS, INTERVENTIONAL CARDIOLOGY AND SURGICAL TREATMENT

Chairs: **L.P. Perrault**, Montreal, QC, Canada
G.W. Vetrovec, Richmond, VA, USA

Abstract No.

- | | | |
|-------|--|-----|
| 11:00 | HEMODYNAMIC SUPPORT FOR HIGH RISK PCI AND CARDIOGENIC SHOCK: FINDING THE SWEET SPOT (Invited Lecture)
G.W. Vetrovec
VCU Pauler Heart Center, Virginia Commonwealth University, VA, USA | 133 |
| 11:15 | THE IMPORTANCE OF POST-PCI FFR: "IT'S NOT OVER 'TIL IT'S REALLY OVER" (Invited Lecture)
B.F. Uretsky
University of Arkansas for Medical Sciences, Little Rock, AR, USA | 134 |
| 11:30 | DURAGRAFT VASCULAR GRAFT TREATMENT IN THE PREVENTION OF PATIENTS UNDERGOING CABG (Invited Lecture)
L. Perrault , M. Carrier, D. Bouchard, R. Cartier, P. Demers, Y. Lamarche, I. El-Hamamsy, D. Tanguay, D. Terronne
Montreal Heart Institute, Montreal, QC, Canada | 135 |
| 11:45 | HOW TO PREDICT THE LONG-TERM OUTCOME OF NEW STENTS? (Invited Lecture)
Y. Ueda , Osaka National Hospital, Osaka, Japan | 136 |
| 12:00 | ROLE OF ECMO IN ADVANCED HEART FAILURE AND CARDIAC ARREST (Invited Lecture)
A. Kumar
MMIMSR Institute, Mulana, Ambala, India | 138 |
| 12:15 | COMPREHENSIVE MULTIMODAL INTRA-VASCULAR OPTICAL IMAGING WITHOUT EXOGENOUS CONTRAST AGENT (Invited Lecture)
H. Yoo , Hanyang University, Seoul, Korea | 139 |
| 12:30 | DEVELOPMENT OF BIODEGRADABLE NANOFIBROUS DRUG-ELUTING STENTS: CHALLENGES AND OPPORTUNITIES (Invited Lecture)
S.K. Bhullar , H.S. Buttar
Bursa Technical University, Bursa, Turkey and University of Victoria, Victoria, BC, Canada | 140 |
| 12:45 | PERCUTANEOUS HEMODYNAMIC SUPPORT DEVICES IN THE CURRENT DAY CATH LAB (Invited Lecture)
M. Shanmugasundaram
The University of Arizona College of Medicine/ SAVAHCS, Tucson, AZ, USA | 141 |
| 13:00 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION | |

SATURDAY, JULY 15, 2017

11:00 - 13:15

Hall C

PL11 Plenary Session

IMPROVING UNDERSTANDING, TREATMENT AND OUTCOME IN ATRIAL FIBRILLATION

Chairs: **A.B. Curtis**, Buffalo, NY, USA
D. Dobrev, Essen, Germany

Abstract No.

- | | | |
|-------|---|-----|
| 11:00 | CELLULAR ELECTROPHYSIOLOGICAL MECHANISMS OF PAROXYSMAL ATRIAL FIBRILLATION IN PATIENTS (Invited Lecture)
D. Dobrev , University Duisburg-Essen, Essen, Germany | 142 |
| 11:15 | IS IT TIME TO RETHINK OUR MODEL OF ATRIAL FIBRILLATION AND STROKE? (Invited Lecture)
T.J. Bunch , Intermountain Medical Center Heart Institute, Murray, UT, USA | 144 |
| 11:30 | TREATMENT OF ARRHYTHMIAS IN THE ELDERLY: SPECIFIC AGE RELATED CONSIDERATIONS (Invited Lecture)
S.K. Seidl , Klinikum Ingolstadt, Ingolstadt, Deutschland | 145 |
| 11:45 | ARE LOW DOSES OF DIRECT-ACTING ORAL ANTICOAGULANTS JUSTIFIED AND APPROPRIATE IN PATIENTS WITH NONVALVULAR ATRIAL FIBRILLATION? (Invited Lecture)
A. Martinez-Rubio , O. Martinez-Torrecilla
Univ. Hosp. of Sabadell, Univ. Autonoma of Barcelona, Sabadell, Spain | 146 |
| 12:00 | UTILIZATION OF 3-D MAPPING FOR SUCCESSFUL ABLATION OF TYPICAL ATRIAL FLUTTER (Invited Lecture)
H. Paydak , University of Arkansas for Medical Sciences, Little Rock, AR, USA | 147 |
| 12:15 | INCREASED VULNERABILITY OF FAILING HEARTS TO SYMPATHETIC STIMULATION INDUCED ATRIAL FIBRILLATION: THE ROLE OF RYANODINE RECEPTOR DYSFUNCTION (Invited Lecture)
Y. Zhang
New York Institute of Technology College of Osteopathic Medicine,
Old Westbury, NY, USA | 148 |
| 12:30 | ATRIAL FIBRILLATION AND GERIATRIC SYNDROMES (Invited Lecture)
K. Alagiakrishnan , University of Alberta, Edmonton, Canada | 149 |
| 12:45 | LEADLESS PACEMAKERS (Invited Lecture)
K.S. Srivathsan , Mayo Clinic, AZ, USA | 150 |
| 13:00 | FUNCTIONAL CHARACTERIZATION OF RARE VARIANTS IMPLICATED IN SUSCEPTIBILITY TO LONE ATRIAL FIBRILLATION
K. Hayashi , N. Fujino, K. Sakata, T. Konno, H. Tada, T. Tsuda, R. Teramoto,
A. Nomura, N. Makita, M. Yamagishi
Kanazawa University, Kanazawa, Japan | 151 |
| 13:15 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION | |

SATURDAY, JULY 15, 2017

08:00 – 13:00

Poster Hall

P201 ECHOCARDIOGRAPHY

Board No.		Abstract No.
1	PROGNOSTIC IMPACT OF LEFT VENTRICULAR REMODELING IN ARTERIAL HYPERTENSION: AN ECHOCARDIOGRAPHIC STUDY I. Fabiani , N.R. Pugliese, S. La Carrubba, L. Conte, F. Antonini Canterin, P. Colonna, S. Carerj, F. Benedetto, E. Calogero, V. Di Bello SD Cardioangiologia Universitaria, Pisa, Italy	152
2	RELATIONSHIP BETWEEN CARDIOMEGALY BY CHEST X-RAY AND LEFT VENTRICULAR SIZE BY ECHOCARDIOGRAPHY S.A. Chang, D. McFarlane, J. Yim , K. Gin, J. Jue, P.K. Lee, P. Nair, M. Tsang, D. Thompson, T.S. Tsang University of British Columbia, Vancouver, BC, Canada	153
3	EXERCISE INDUCED REGIONAL WALL MOTION ABNORMALITIES IN SIGNIFICANT AORTIC REGURGITATION: VOLUME OVERLOAD, DIRECTION OF ARJET OR CORONARY ARTERY DISEASE S.J. Park , J.W. Hwang, G.Y. Lee, E.K. Kim, S.A. Chang, J.O. Choi, S.C. Lee, D.J. Choi, S.W. Park Samsung Medical Center, Seoul, South Korea	154

P203 ACUTE MYOCARDIAL INFARCTION, REPERFUSION THERAPY

4	OUTCOMES OF ACUTE MYOCARDIAL INFARCTION IN CENTENARIANS A. Singh , B. Dumaswala, S. Agrawal, S. Pakniyat, K. Karla, N. Ghani, S.S. Randhawa, M. Thind, S. Saluja, S. Nanda, J. Shirani St. Luke's University Health Network, PA, USA	155
5	EFFECT OF TAILORED USE OF TIROFIBAN IN PATIENTS WITH NON-ST-ELEVATION ACUTE CORONARY SYNDROME UNDERGOING PERCUTANEOUS CORONARY INTERVENTION T.J. Yoon , J.W. Suh, W.J. Lee, D.G. Park, K.J. Ahn Seoul National University and Seoul National University Bundang Hospital, Seongnam, Korea	156
6	AMI IN PATIENTS WITH NON-OCCLUSIVE CORONARY ARTERY DISEASE. A SINGLE CENTER EXPERIENCE IN SINGAPORE P.J. Cruz , S.S. Imran, K.L. Leow, M. Liang Khoo Teck Puat Hospital, Singapore	157
7	DIDO TIMING FOR A SECONDARY CARE HOSPITAL FOR STEMI PT. A SAUDI EXPERIENCE A.D. Jelani, M.I. Farooq, M. Alarfaj, F. Memon, I. Ali , I.U. Haq, A.A. Ishaqui King Abdulaziz Hospital, Alhasa, Saudi Arabia	158
8	POSSIBLE DIFFUSE ALVEOLAR HEMORRHAGE FROM BIVALIRUDIN USE H. Latt , S. Aung, C. Roongsritong, University of Nevada, Reno - School of Medicine, USA	159
9	SPONTANEOUS CORONARY ARTERY DISSECTION: A CASE REPORT AND BRIEF REVIEW OF LITERATURE R. Manikat, F. Elmi , Easton Hospital, Easton, PA, USA	160

SATURDAY, JULY 15, 2017

08:00 – 13:00

Poster Hall

P203 ACUTE MYOCARDIAL INFARCTION, REPERFUSION THERAPY (cont.)

Board No.

Abstract No.

- 10 TRAZODONE INDUCED VASOSPASTIC ANGINA MIMICKING WITH ST- ELEVATION MYOCARDIAL INFARCTION **161**
A. Ruhela, Y.R. Sedhai, J. Janani, **N. Kumar**, E. Mizrahi
Mercy Catholic Medical Center, Darby, PA, USA
- 11 VARIATIONS IN CARDIAC CATHETERIZATION PROCEDURE IN ST-ELEVATION MYOCARDIAL INFARCTION **162**
R.M. Mehta, **M.R. Heckle**, M. Agarwal, I. Ifedili, W.W. Rizk, R.N. Khouzam
University of Tennessee Health Science Center, Memphis, TN, USA

P204 PERICARDIAL DISEASE

- 12 CARDIAC TAMPONADE SECONDARY TO PURULENT PERICARDITIS IN A PATIENT WITH LUDWIG'S ANGINA AND LEMIERRE'S SYNDROME **163**
K.A. Samtani, K.J. Booher
Wright State University, Dayton, OH, USA
- 13 SUDDEN CARDIAC DEATH DUE TO FOCAL PERICARDITIS INDUCED ANEURYSM FOLLOWING PERCUTANEOUS CORONARY INTERVENTION **164**
H.E.B. Storer, **T. Gilotra**, T. Haddadin
East Tennessee State University, Johnson City, TN, USA

P205 ELECTROPHYSIOLOGY, SUDDEN DEATH, ARRHYTHMIAS AND DEVICE THERAPY

- 14 LONG-TERM CLINICAL BENEFITS OF TWO-INCISION TECHNIQUE FOR SUBCUTANEOUS IMPLANTABLE CARDIOVERTER-DEFIBRILLATOR **165**
D. Chang, E. Koman, P. Patel, H. Saltzman, S.P. Kutalek
Drexel University, Philadelphia, PA, USA
- 15 ELECTROPHYSIOLOGICAL CHARACTERISTICS OF THE LQT2 SYNDROME MUTATION KCNH2-G572S AND REGULATION BY ACCESSORY PROTEIN KCNE2 **166**
Y. Li, L. Li, J.W. Tian, C.Y. Lu, X. Chen, Y.C. Fu, B. Xu, C. Zhu, Y. Zhang, Y. Zhao
General Hospital of People's Liberation Army, Beijing City, China
- 16 INCIDENCE AND TIMING OF RECOVERY OF CONDUCTION IN POST-CORE VALVE IMPLANTATION HEART BLOCK **167**
A. Singh, J.H. Kaminski, J.J. Voss, F.S. Leya, P.A. Santucci
Loyola University Medical Center, Maywood, Illinois, USA
- 17 PERMANENT HIS BUNDLE PACING (PHBP) WITH CLS OUTPERFORMS ACCELEROMETER-BASED RATE-RESPONSIVE PACING **168**
J.R. Kneller, K. Merrill, T. Evans, K. Larios, J. Thorndike
Yakima Heart Center, Yakima, WA, USA

SATURDAY, JULY 15, 2017

08:00 – 13:00

Poster Hall

P205 ELECTROPHYSIOLOGY, SUDDEN DEATH, ARRHYTHMIAS AND DEVICE THERAPY (cont.)

Board No.		Abstract No.
18	A RARE CASE OF PROGRESSIVE HEART BLOCK WITH X-LINKED RECESSIVE INHERITANCE V.T. San Martin, A. Iluyomade, J.K. Bhinder, S.A. Ahsan, S.E. Lee , M.R. Rodriguez Mount Sinai St. Luke's & Mount Sinai West, Icahn School of Medicine at Mount Sinai, New York, NY, USA	169
19	BILATERAL SYMPATHECTOMY AS A TREATMENT MODALITY FOR TREATMENT REFRACTORY VENTRICULAR TACHYCARDIA A. Afzal , K. Kopecky, S. Hall, J. Mendez, M.D. Assar, D. Mason, A. Bindra Baylor University Medical Center, Dallas, TX, USA	170
20	TRENDS IN PERMANENT PACEMAKER IMPLANTATION IN THE UNITED STATES FROM 2004-2011 A.A. Khan, B. Brooks, H.B. Panchal, S.I.M. Zaidi, Z. Rahman , T. Paul, V. Ramu East Tennessee State University, TN, USA	171
21	AN UNUSUAL CAUSE OF SYNCOPE: BRUGADA SYNDROME S.A. Raza , A. Goel, L. Hunter Methodist Health System, Dallas, TX, USA	172
22	A NEW SOLUTION TO AN OLD PROBLEM FOR CARDIAC DEVICE HYPERSENSITIVITY A. Grigos , G.V. Dous, N. Isber, M. Arulthasan, W. Sheu Richmond University Medical Center, Staten Island, NY, USA	173
P206 ATRIAL FIBRILLATION AND SUPRAVENTRICULAR ARRHYTHMIA		
23	COMPARISON OF OUTCOMES AFTER RHYTHM OR RATE CONTROL STRATEGY FOR THE NEW ONSET ATRIAL FIBRILLATION IN CRITICALLY ILL SEPSIS PATIENTS (Invited Presentation) K.J. Choi , M.S. Cho, G.B. Nam, Y.N. Kim, J.M. Hwang, M.S. Kim, J.H. Lee, Y.M. Hwang, Y.H. Kim Asan Medical Center, Seoul, Korea	174
24	WHO WATCHES THE WATCHMAN, AND HOW OFTEN? A.Z. Jiang , T.A. Aung, K.D. Kravitz Good Samaritan Hospital, Wright State University, Dayton, OH, USA	175
25	WOLFF-PARKINSON WHITE CAUSING ELECTRICAL ALTERANS ON ECG E.N. Dreessens , T.M. Ratajczak, A.A. El-Moghraby, R. Arcenas Wright State University Department of Internal Medicine, Dayton, OH, USA	176

SATURDAY, JULY 15, 2017

08:00 – 13:00

Poster Hall

P207 PERIPHERAL ARTERY DISEASE AND AORTIC DISEASE

Board No.		Abstract No.
26	STRICT CONTROL OF RISK FACTORS MAY NOT PREVENT PROGRESSION OF ARTERIOSCLEROSIS T. Matsubara, E. Mastubara, S. Kodera, J. Suzuki, N. Tanji, T. Kon, T. Tomaru Toho University Sakura Hospital, Japan	177
27	ASSOCIATION BETWEEN SYMMETRIC BICUSPID AORTIC VALVE PHENOTYPES AND PATTERN OF VALVULAR DYSFUNCTION AND AORTIC CONFIGURATION F. Li , Z.P. Huang, X.S. Ren Peking Union Medical College, Beijing, China and Chinese Academy of Medical Science, Beijing, China	178
28	PERIPHERAL INTERVENTIONS AND ANTIPLATELET THERAPY: WHERE DO WE STAND IN AN ERA OF GUIDELINE BASED THERAPY? O.A. Akinseye, S. Salem , P. Singh, Y. Harper, M. Morsy, R.N. Khouzam University of Tennessee Health science center, Memphis, Tennessee, USA	179

P208 MISCELLANEOUS

29	QUICK SEPSIS-RELATED ORGAN FAILURE ASSESSMENT (QSOFA) SCORE PREDICTS ADVERSE EVENTS IN PATIENTS WITH INFECTIVE ENDOCARDITIS Y. Tamura , S. Yoshida, Y. Tanaka, Y. Nagata, T. Konno, K. Sakata, K. Hayashi, M. Kawashiri, M. Yamagishi Kanazawa University, Kanazawa, Japan	180
30	THE RELATIONSHIP OF HEART DISEASES, AUTONOMIC IMBALANCE AND PSYCHOLOGICAL FUNCTIONING D. Bartczak, E. Zawadzka-Bartczak Cardinal Wyszynski University, Center of Information Technologies Warsaw, Poland	181
31	A CASE OF INCIDENTAL CORONARY ARTERY ECTASIA X. Zhang , A. Casanegra Mayo Clinic, Rochester, MN, USA	182
32	ATTEMPTING TO CLEANUP A RIGHT ATRIAL MASS IN A 20 YEAR OLD FEMALE WITH ANGIOVASCULAR M.R. Sheikh , S. Li, M.S. Khan, A. Zain, A. Stys, T. Stys University of South Dakota, Sanford School of Medicine, Sioux Falls, SD, USA	183

SATURDAY, JULY 15, 2017

14:00 - 16:15

Hall A

PL12 Plenary Session

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

Chairs: **N.S. Dhalla**, Winnipeg, MB, Canada
B.I. Jugdutt, Edmonton, AL, Canada

Abstract No.

- | | | |
|-------|--|-----|
| 14:00 | PROTECTION OF DIABETIC HEART WITH PDE5 INHIBITION AND HYDROXYCHLOROQUINE
R. Wang, L. Xi, R.C. Kukreja (Invited Lecture)
Virginia Commonwealth University, Richmond VA, USA | 184 |
| 14:15 | DAPAGLIFLOZIN ATTENUATES DIABETIC CARDIOMYOPATHY AND THE ACTIVATION OF THE NLRP3/ASC INFLAMMASOME IN MICE WITH TYPE-2 DIABETES:
A GLUCOSE-LOWERING AND SGLT-2 INDEPENDENT EFFECT (Invited Lecture)
Y. Ye, M. Bajaj, Y. Hsiu-Chiung, J.R. Perez-Polo, Y. Birnbaum
UTMB, Galveston, Texas, USA | 185 |
| 14:30 | CO ₂ WATER-BATH AS A NOVEL THERAPY FOR THE TREATMENT OF PERIPHERAL ARTERY DISEASE IN DIABETES (Invited Lecture)
N.S. Dhalla , Y.J. Xu, V. Elimban
Rady Faculty of Health Sciences, University of Manitoba, Winnipeg, Canada | 186 |
| 14:45 | CARDIOVASCULAR MECHANISMS OF EXERCISE INTOLERANCE IN DIABETES AND THE ROLE OF SEX (Invited Lecture)
J.G. Regensteiner , M. Cree-Green, D. Rafferty, T.A. Bauer, J.E.B. Reusch
University of Colorado School of Medicine, Aurora, Colorado, USA | 187 |
| 15:00 | AGING AND OBESITY (Invited Lecture)
B.I. Jugdutt
University of Alberta, Edmonton, Alberta, Canada | 188 |
| 15:15 | ROLE OF THE ADIPOKINE OMENTIN IN CARDIOVASCULAR DISEASE (Invited Lecture)
N. Ouchi
Nagoya University Graduate School of Medicine, Nagoya, Japan | 189 |
| 15:30 | REVASCULARIZATION IN PATIENTS WITH DIABETES MELLITUS: OPTIMAL APPROACH IN 2017 (Invited Lecture)
G.W. Barsness
Mayo Clinic, Rochester, MN, USA | 190 |
| 15:45 | CLINICAL SIGNIFICANCE OF EXAGGERATED BLOOD PRESSURE (Invited Lecture)
P. Kokkinos
Veterans Affairs Medical Center, Washington, DC, Georgetown University School of Medicine, George Washington University School, University of South Carolina, USA | 191 |
| 16:00 | mTOR SIGNALING IN DIABETES AND MYOCARDIAL INFARCTION (Invited Lecture)
A. Das
Virginia Commonwealth University, Richmond, Virginia, USA | 192 |
| 16:15 | COFFEE BREAK, VISIT EXHIBITION | |

SATURDAY, JULY 15, 2017

14:00 – 16:45

Hall B

PL13 Plenary Session

VASCULAR REMODELING AND CARDIAC REGENERATION AND REPAIR

Chairs: **A.M. Gerdes**, Old Westbury, NY, USA
K.N. Pandey, New Orleans, LA, USA

Abstract No.

- | | | |
|-------|--|-----|
| 14:00 | LOW DOSE IGF1 FOR CARDIAC CYTOPROTECTION AND REPAIR FROM MOUSE TO MAN (Invited Lecture)
N.M. Caplice , University College Cork, Ireland | 193 |
| 14:15 | WHERE ARE WE WITH BONE MARROW CELL THERAPY FOR HEART REPAIR? (Invited Lecture)
B. Dawn , University of Kansas Medical Center, Kansas City, KS, USA | 194 |
| 14:30 | WHAT YOU SHOULD KNOW ABOUT CARDIAC REMODELING (Invited Lecture)
A.M. Gerdes
New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA | 195 |
| 14:45 | PLAQUE ANGIOGENESIS IN HUMAN ATHEROSCLEROSIS: A SYSTEMS MEDICINE APPROACH (Invited Lecture)
T. Rademakers, M. Manca, J. Sluimer, M.J.A.P. Daemen, J. Van Buul, E.A.L. Biessen
Maastricht University, The Netherlands | 196 |
| 15:00 | REBUILDING THE FAILING HEART WITH CELL THERAPY: ROADBLOCKS TO OVERCOME (Invited Lecture)
J. Zhang
UAB - The University of Alabama at Birmingham, Birmingham, AL, USA | 197 |
| 15:15 | HISTONE DEACETYLASE INHIBITORS PREVENT CARDIAC HYPERTROPHIC REMODELING AND DYSFUNCTION IN NPR1 HAPLOTYPE MICE (Invited Lecture)
K.N. Pandey
Tulane University Health Sciences Center, School of Medicine, New Orleans, LA, USA | 198 |
| 15:30 | STEM CELLS DERIVED EXOSOMES: A FUTURE OF CELL THERAPY (Invited Lecture)
D. Singla , University of Central Florida, Orlando, FL, USA | 199 |
| 15:45 | BIOELECTRIC STIMULATION FOR ORGAN REGENERATION (Invited Lecture)
L.W. Miller , Leonhardt Ventures, Tampa, FL, USA | 200 |
| 16:00 | A NOVEL MECHANISM CONTROLLING VASCULAR REMODELING (Invited Lecture)
R. Tang, X.B. Cui, J.N. Wang, S.Y. Chen
University of Georgia, Athens, GA, USA | 201 |
| 16:15 | EMERGING ROLE OF CELLULAR THERAPY (STEM CELL THERAPY) IN CORONARY ARTERY DISEASE (Invited Lecture)
R.K. Sharma , E.I. Murgasen, R.K. Sharma, A.K. Prashar, H.K. Reddy
University of Arkansas for Medical Sciences, Little Rock, AR, USA | 202 |
| 16:30 | MACROPHAGES AND CARDIAC REPAIR (Invited Lecture)
E. Thorp , Feinberg School of Medicine, Chicago, IL, USA | 203 |
| 16:45 | COFFEE BREAK, VISIT EXHIBITION | |

SATURDAY, JULY 15, 2017

14:00 – 16:45

Hall C

S25

Session

ARRHYTHMIA I: DIAGNOSIS, DRUG THERAPY, ABLATION

Chairs: **T.J. Bunch**, Murray, UT, USA
A. Martinez-Rubio, Barcelona, Spain

Abstract No.

- | | | |
|-------|---|-----|
| 14:00 | THE VALUE OF INCORPORATING THE LEFT ATRIAL SIZE TO THE CURRENT STROKE RISK SCORING SYSTEMS FOR ATRIAL FIBRILLATION.
M. Shahreyar, S.A. Salem , U. Ashraf, J. Gardner, W.P. Skelton, R.N. Khouzam
University of Tennessee Health Science Center, Memphis, TN, USA | 204 |
| 14:15 | EFFECT OF ATRIAL FIBRILLATION ON THE IN-HOSPITAL MORBIDITY AND MORTALITY TRENDS OF TAKOTSUBO CARDIOMYOPATHY
A. Sharma , P. Charilaou, N. Patel, B. Yegneswaran, A. Badheka
Saint Peter's University Hospital/ Rutgers Robertwood Johnson Medical School, New Brunswick, NJ, USA | 205 |
| 14:30 | ASSOCIATION OF CHA2DS2VASC AND R2CHADS2 SCORES WITH LEFT ATRIAL VOLUME INDEX: A RETROSPECTIVE STUDY OF STROKE PATIENTS WITH NON-VALVULAR ATRIAL FIBRILLATION (NVAF)
J.J. Mehta , M.R. Vindhya, J.K. Kallail, F.A. Eid
University of Kansas School of Medicine - Wichita, KS, USA | 206 |
| 14:45 | INFERIOR VENA CAVA DIAMETER BY HAND HELD ULTRASOUND PREDICTS ATRIAL FIBRILLATION RECURRENCE AFTER RADIOFREQUENCY CATHETER ABLATION
D.W. Kehl, R. Zimmer, I. Kedan
Cedars-Sinai Heart Institute, Los Angeles, CA, USA | 207 |
| 15:00 | PVI WITHOUT FLUOROSCOPY IS AS SAFE, EFFICIENT, AND EFFECTIVE AS TRADITIONAL FLUOROSCOPIC TECHNIQUES
A. Ahmad , A. Velasco, J. Barrios, H. McElderry, V. Plumb, T. Yamada, V. Kumar, H. Doppalapudi, W. Maddox
The University of Alabama at Birmingham, Birmingham, AL, USA | 208 |
| 15:15 | AV NODAL REENTRANT TACHYCARDIA OF THE SICK
M.E. Madmani, F.J. Habash, P. Card , B. Boye, H. Paydak
University of Arkansas for Medical Sciences, Little Rock, AR, USA | 209 |
| 15:30 | INTER-OBSERVER RELIABILITY OF TWO-DIMENSIONAL SPECKLE-TRACKING DERIVED GLOBAL LEFT ATRIAL STRAIN MEASUREMENTS IN PATIENTS WITH SLEEP DISORDERED BREATHING AND PAROXYSMAL ATRIAL FIBRILLATION: RESULTS FROM THE SAFEHEART STUDY
B. Xu , R. Byrne, R. Mehra, J. Aylor, R. Nawabit, L. Wang, J. Bena, D. Kwon
Heart and Vascular Institute, Cleveland Clinic, OH, USA | 210 |
| 15:45 | ASSOCIATION OF BRAIN NATRIURETIC PEPTIDE AND ATRIAL FIBRILLATION RECURRENCE AFTER SUCCESSFUL ELECTRICAL RADIOFREQUENCY CATHETER ABLATION: A MULTIVARIATE ANALYSIS INCLUDING DIASTOLIC DYSFUNCTION
A. Al-Sheyab, T. Gilotra , B. Barad, M. Jbara, T. Paul
East Tennessee State University, Johnson City, Tennessee, USA | 211 |

SATURDAY, JULY 15, 2017

14:00 – 16:45

Hall C

S25 ARRHYTHMIA I: DIAGNOSIS, DRUG THERAPY, ABLATION (cont.)

Abstract No.

- 16:00 ASSESSMENT OF SAFETY OF BOLUS INJECTION OF PROTAMINE AFTER PULMONARY VEIN ISOLATION 212
T.J. Matsubara, K. Fujii, E. Hasumi, T. Kojima, I. Komuro
Tokyo University, Tokyo, Japan
- 16:15 RAMP™ SHEATH DECREASES THE NUMBER OF RADIOFREQUENCY ABLATION APPLICATIONS FOR BIDIRECTIONAL ISTHMUS BLOCK IN TYPICAL RIGHT ATRIAL FLUTTER 213
J.A. Thomas, J. Wong, L. Achanta, L. Oke, R. Delongchamp, N. Pothineni, W. Maskoun, A. Sewani, H. Paydak
University of Arkansas for Medical Sciences, Little Rock, AR, USA
- 16:30 CONVERSION OF ISOLATED UNIDIRECTIONAL ISTHMUS BLOCK TO BIDIRECTIONAL BLOCK BY ABLATING A DIFFERENT LOCATION IN THE CAVO-TRICUSPID ISTHMUS FOR THE TREATMENT OF TYPICAL ATRIAL FLUTTER 214
J. Xu, J. Wong, S. Reddy, T.E. Watts, K. Singkhek, H. Paydak
University of Arkansas for Medical Sciences, Little Rock, AR, USA
- 16:45 COFFEE BREAK, VISIT EXHIBITION

SATURDAY, JULY 15, 2017

16:30 – 18:15

Hall A

S26

Session

CARDIOVASCULAR DISEASE PREVENTION AND RISK MANAGEMENT

Chairs: **G. Barsness**, Rochester, MN, USA
S. Mora, Boston, MA, USA

Abstract No.

- | | | |
|-------|--|-----|
| 16:30 | ASSOCIATION OF SERUM FERRITIN WITH CARDIOVASCULAR DISEASE INCIDENCE AMONG AFRICAN AMERICANS: A JACKSON HEART STUDY
O. Egbuche , H.R Millard, B. Renelus, M. Axiyan, S.K Musani, E.R Fox, J. Liu, H.A Taylor, A. Bidulescu
Atlanta Morehouse School of Med, GA, USA | 215 |
| 16:45 | SOCIAL SUPPORT VERSUS ISOLATION: RELATION TO GLOBAL CARDIOVASCULAR HEALTH
S.R. Behforooz , C.K. Kieu, N.D. Wong
University of California, Irvine, CA, USA | 216 |
| 17:00 | CARDIORESPIRATORY FITNESS ATTENUATES THE RISK OF CONGESTIVE HEART FAILURE IN HYPERTENSIVES
P. Kokkinos , P. Narayan, F. Mordini, J. Myers, A. Ahmed, C. Faselis
Veterans Affairs Medical Center, Washington, DC, USA | 217 |
| 17:15 | A FEASIBILITY STUDY ON 10-YEAR CVD RISK ASSESSMENT AS A SECONDARY PREVENTION TOOL FOR CARDIOVASCULAR DISEASE
R. Shi, Y. Lan , W. Yu
Pfizer, China | 218 |
| 17:30 | PATIENT CENTERED SPECIALTY PRACTICE: THE PROVIDENCE EXPERIENCE
X. Huang , L. Jones Larson
Providence Heart Clinic, Portland, OR, USA | 219 |
| 17:45 | PREVALENCE OF ASYMPTOMATIC PERIPHERAL ARTERIAL DISEASE BY ANKLE BRACHIAL INDEX AND ITS CORRELATION TO ATHEROSCLEROTIC CARDIOVASCULAR DISEASE (ASCVD) RISK ESTIMATE AMONG PATIENTS IN A PRIVATE TERTIARY HOSPITAL IN PASAY CITY, PHILIPPINES: A PROSPECTIVE ANALYTICAL STUDY
A.V. Dela Cruz , G.M. Obrado, M.O. Matulac
Adventist Medical Center Manila. Pasay City, Philippines | 220 |
| 18:00 | MAKING THE DECISION TO QUIT SMOKING: IMPACT OF INTERACTIVE AND EDUCATIONAL VIDEO APPLIED IN POPULATION WITH MULTIMORBIDITIES
L.S. Pereira, M.F. Madureira, M.F.M. Lamas, D.A. Brum, N.P. Sobreira, N.S. Pereira, A.G.S. Galil , A.P. Cupertino, F.A.B. Colugnati
Public University of Juiz de Fora, Juiz de Fora, Minas Gerais, Brazil | 221 |

SATURDAY, JULY 15, 2017

17:00 – 19:15

Hall B

S27

Session

ACUTE CORONARY SYNDROME: DETECTION, PREVENTION AND TREATMENT

Chairs: **Y. Ueda**, Osaka, Japan
B. Uretsky, Little Rock, AR, USA

Abstract No.

- | | | |
|-------|--|-----|
| 17:00 | NON-CULPRIT VESSEL OBSTRUCTIVE LESIONS IN PATIENTS WITH ANTERIOR ST ELEVATION MYOCARDIAL INFARCTION AND INFERIOR ST DEPRESSIONS
T.J. Breen , P. Fisher, M. Torosoff, A. Nappi
Albany Medical College, Albany, NY, USA | 222 |
| 17:15 | WOMEN FAIL TO RECOGNIZE SYMPTOMS OF MYOCARDIAL INFARCTION LEADING TO DELAYS IN HOSPITAL PRESENTATION
E. Wilson , J.P. Cordova, C.P. Bavishi, J. Tamis-Holland
Mount Sinai St. Luke's and Mount Sinai West Hospitals, Icahn School of Medicine at Mount Sinai, New York, NY, USA | 223 |
| 17:30 | TYPE II MYOCARDIAL INFARCTION AND THE RISK OF READMISSION
S.A. Doleeb , R.D. Patel, S. Olet, J.J.F. Kram, R.J. Logue, P. Nallani, M.F. Jan, S. Allaqaband
Aurora Health Care, Milwaukee, WI, USA | 224 |
| 17:45 | THE HIGH-DEGREE ATRIOVENTRICULAR BLOCK REMAINS A SEVERE PROGNOSTIC MARKER IN THE PRIMARY PERCUTANEOUS CORONARY INTERVENTION ERA, THE NEXT STEP
P. Dobes
Glenfield Hospital, University Hospitals of Leicester NHS Trust, Leicester, UK | 225 |
| 18:00 | ONE-YEAR MORTALITY IN TYPE 2 MI: PATIENT CHARACTERISTICS FROM A LARGE CLINICAL SERIES
R.D. Patel , S. Olet, J.J.F. Kram, S.A. Doleeb, P. Nallani, R.J. Logue, M.F. Jan, S. Allaqaband
Aurora Health Care, Milwaukee, WI, USA | 226 |
| 18:15 | ACUTE MYOCARDIAL INFARCTION AND CHRONIC TOTAL OCCLUSIONS: A NOT SO INNOCENT SILENT GUEST
J.M. Telayna , R.A. Costantini, J.M.(h) Telayna
Hospital Universitario Austral, Pilar, Buenos Aires, Argentina | 227 |
| 18:30 | POSTCONDITIONING WITH LACTATE-ENRICHED BLOOD FOR CARDIOPROTECTION IN HUMANS
T. Koyama , M. Munakata, T. Akima, K. Miyamoto, M. Shibata, K. Moritani, H. Kanki, S. Ishikawa, H. Mitamura
Saitama Municipal Hospital, Saitama City, Saitama, Japan | 228 |

SATURDAY, JULY 15, 2017

17:00 – 19:15

Hall B

S27 ACUTE CORONARY SYNDROME: DETECTION, PREVENTION AND TREATMENT (cont.)

Abstract No.

- 18:45 STRESS-INDUCED THROMBUS: ROLE OF ANTICOAGULATION IN TAKOTSUBO CARDIOMYOPATHY 229
M.R. Heckle, C.W. McCoy, R.N. Khouzam
University of Tennessee Health Science Center, Memphis, TN, USA
- 19:00 STEMI IN A PATIENT WITH HIV ASSOCIATED CORONARY ARTERY DISEASE 230
A.A. Khan, A. Hannan, **Z. Rahman**, N.A. Khan, I. Arif, S. Masood
East Tennessee State University, Johnson City, TN, USA

SATURDAY, JULY 15, 2017

17:00 – 19:30

Hall C

S28	Session		
	ARRHYTHMIA II: SUDDEN CARDIAC DEATH / ADVANCES IN IMPLANTABLE RHYTHM DEVICE THERAPY		
	Chairs: H. Paydak , Little Rock, AR, USA S.W. Rabkin , Vancouver, Canada		
			Abstract No.
17:00	A NOVEL RYR2 P.R420W MUTATION CAUSING SUDDEN CARDIAC DEATH IN FAMILIES WITH CPVT O.A. Abdel-Razek , A. Collier, F. Curtis, S. Predham, A. Bullen, J. Houston, S. Stuckless, S. Connors, T.L. Young, K.L. Hodgkinson Memorial University, St. John's, Newfoundland and Labrador, Canada		231
17:15	OUTCOMES IN QUADRIPOlar VS BIPOLAR LEFT VENTRICULAR LEADS IN CARDIAC RESYNCHRONIZATION THERAPY (CRT): A META-ANALYSIS OF SEVEN STUDIES S.I.M. Zaidi, H.B. Panchal, A.A. Khan, G. Murtaza, Z.U. Rahman , Z.Q. Baloch, N. Mungo, V. Ramu, East Tennessee State University, USA		232
17:30	BETTER THAN YOU THINK: APPROPRIATE USE OF IMPLANTABLE CARDIOVERTER-DEFIBRILLATORS AT A SINGLE ACADEMIC CENTER N. Shah , S. Ross, S. Noutong Njapo, J. Merritt, A. Kolarich, M. Kaufmann, T. Burkart, W. Miles, D. Winchester, M. McKillop University of Florida Health, Gainesville, FL, USA		233
17:45	SUDDEN CARDIAC DEATH (SCD) AND SUDDEN UNEXPLAINED DEATH (SUD) IN NEWFOUNDLAND AND LABRADOR: A 10 YEAR RETROSPECTIVE STUDY R.A. Alkhateb, F.L. Paulin , S.I. Avis, B.A. Gallagher, F.I. Curtis, T.L. Young, S.E. Connors, K.A. Hodgkinson Memorial University, St. John's, NL, Canada		234
18:00	STAPLING FOR WOUND DEHISCENCE AFTER CARDIAC IMPLANTABLE ELECTRONIC DEVICE IMPLANTATION O. Paydak , N.V. Pothineni, P. Card, A. Sewani University of Arkansas for Medical Sciences, Little Rock, AR, USA		235
18:15	2 CASES OF PACEMAKER DERMATITIS INDUCED BY BACKPACK STRAP FRICTION T.J. Matsubara , K. Fujii, E. Hasumi, T. Kojima, T. Sato, M. Yamasaki, S. Ohnishi, I. Komuro Tokyo University, Tokyo, Japan		236
18:30	TEMPORARY – PERMANENT PACEMAKERS: A REVIEW OF THE LITERATURE AND SUMMARY OF THE EVIDENCE K.S. Suarez, S.M. Mehta , S.A. Zamin, J.E. Banchs Scott and White Medical Center, Temple, TX, USA		237
18:45	TORSADES DE POINTES IN THE SETTING OF IVABRADINE E.N. Dreessens , T.M. Ratajczak, A.A. El-Moghraby, A. Wase Wright State University, Dayton, OH, USA		238

SATURDAY, JULY 15, 2017

17:00 – 19:30

Hall C

**S28 ARRHYTHMIA II: SUDDEN CARDIAC DEATH / ADVANCES IN
IMPLANTABLE RHYTHM DEVICE THERAPY (cont.)**

Abstract No.

- 19:00 RECURRENT CONTACT DERMATITIS SECONDARY TO ADHESIVE TAPE AND 239
DERMABOND USE AFTER PACEMAKER PROCEDURE
P. Card, A. Shanbhag, J. Guthrie, L. Gao, H. Paydak
University of Arkansas for Medical Sciences, Little Rock, AR, USA
- 19:15 VENTRICULAR FIBRILLATION STORM: AN UNCOMMON PRESENTATION OF 240
IDIOPATHIC HEART BLOCK
O.E. Egbuche, D. Adedinsowo, P. Agasthi, A. Onwuanyi
Morehouse School of Medicine, Atlanta, Georgia, USA



INTERNATIONAL
ACADEMY OF
CARDIOLOGY

**INTERNATIONAL ACADEMY OF CARDIOLOGY
ANNUAL SCIENTIFIC SESSIONS 2017
22nd WORLD CONGRESS ON
HEART DISEASE**

VANCOUVER, BC, CANADA, JULY 14 – 16, 2017



**SCIENTIFIC
PROGRAM**

**SCIENTIFIC
PROGRAM**

Sunday, July 16, 2017

SUNDAY, JULY 16, 2017

08:30 – 11:00

Hall A

PL14 Plenary Session

**MECHANISMS AND MANAGEMENT OF HEART FAILURE IN 2017:
HOW CAN WE DO BETTER?**

Chairs: **P.A. Heidenreich**, Palo Alto, CA, USA
J. Veselka, Prague, Czech Republic

Abstract No.

- | | | |
|-------|---|-----|
| 08:30 | DIASTOLIC HEART FAILURE AND ATRIAL FIBRILLATION, THE TWIN-EVIL EPIDEMIC IN THE ELDERLY (Invited Lecture)
H.K. Reddy , R.K. Sharma, R.C. Komatireddy, C.R. Lawson
St. Louis University Medical School, St. Louis, Missouri, USA | 241 |
| 08:45 | BLOOD UREA NITROGEN REFLECTS THE COMPLEXITY OF CARDIORENAL INTERACTIONS IN HEART FAILURE (Invited Lecture)
A. Kazory , University of Florida, Gainesville, FL, USA | 242 |
| 09:00 | THE COST-EFFECTIVENESS OF NEW INTERVENTIONS FOR HEART FAILURE (Invited Lecture)
P.A. Heidenreich , Palo Alto VA Health Care System, Stanford University, Palo Alto, CA, USA | 243 |
| 09:15 | STATIN MODIFIES THE ASSOCIATION OF FISH CONSUMPTION WITH RISK OF HEART FAILURE: THE PHYSICIANS' HEALTH STUDY (Invited Lecture)
L. Djousse , J.M. Gaziano
Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA | 244 |
| 09:30 | THERAPY OF HYPERTROPHIC OBSTRUCTIVE CARDIOMYOPATHY (Invited Lecture)
J. Veselka
Motol University Hospital, 2nd Medical School, Charles University, Prague | 245 |
| 09:45 | KETOGENIC SIGNALING AND BDH1 AS EARLY BIOMARKERS OF DCM (Invited Lecture)
B. Tuana , University of Ottawa, ON, Canada | 246 |
| 10:00 | SEX DIFFERENCES IN BIOMARKERS OF HEART FAILURE (Invited Lecture)
D. Fairweather , K.A. Bruno, J.E. Mathews, M.J. Coronado, E.J. Douglass, A.R. Hill, J.A. Frisancho, A. Bucek, L.A. Blauwet, L.T. Cooper
Mayo Clinic, Jacksonville, FL, USA | 247 |
| 10:15 | DIFFERENTIAL ROLES OF MITOPHAGY IN THE HEART UNDER FASTING AND DIABETIC CONDITIONS (Invited Lecture)
Q. Liang , S. Kobayashi, F. Zhao, U. Aslam, E. Lam, K. Bantis, Y. Huang, T. Kobayashi, A. Kaminaris
New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA | 248 |
| 10:30 | IMPROVEMENTS IN BIVENTRICULAR CARDIAC MECHANICS NOTED IN PATIENTS WITH AL AMYLOIDOSIS AFTER STEM CELL TRANSPLANTATION
C.S. Purtell , E. Scott*, S. Heitner
Oregon Health and Science University, Portland, OR, USA | 249 |

SUNDAY, JULY 16, 2017

08:30 – 11:00

Hall A

PL14 Plenary Session
MECHANISMS AND MANAGEMENT OF HEART FAILURE IN 2017:
HOW CAN WE DO BETTER? (cont.)

Abstract No.

10:45 PSYCHIATRIC DISORDERS ARE LINKED TO HIGHER IN-HOSPITAL
MORTALITY IN PATIENTS WITH TAKOTSUBO CARDIOMYOPATHY
S. Stroud, C. Gaefke, J. Sargeant, P. Suryanarayana, A. Abidov
University of Arizona, Tucson, AZ, USA

250

11:00 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

SUNDAY, JULY 16, 2017

08:30 – 11:15

Hall B

PL15 Plenary Session

ATHEROSCLEROSIS: FROM BASIC MECHANISMS TO NOVEL OPPORTUNITIES FOR DIAGNOSIS, PROGNOSIS AND TREATMENT

Chairs: **J.D. Marsh**, Little Rock, AR, USA
K. Prasad, Saskatoon, SK, Canada

Abstract No.

- | | | |
|-------|---|-----|
| 08:30 | NUTRACEUTICALS IN THE PREVENTION AND TREATMENT OF ATHEROSCLEROSIS (Invited Lecture)
H. Gallagher, J.W.E. Moss, J. Williams, T.S. Davies, W. Al-Ahmadi, V. O'Morain,
D.P. Ramji
Cardiff University, Cardiff, UK | 251 |
| 08:45 | THE SPASMOGENIC ACTION OF THE PROTEASOME INHIBITOR CARFILZOMIB ON ARTERIAL AND VENOUS CONDUITS FROM PATIENTS UNDERGOING CORONARY ARTERY BYPASS GRAFT SURGERY IS ACCENTUATED BY PREEXISTING TYPE II DIABETES (Invited Lecture)
T.M. Scarabelli
Pauley Heart Center, Virginia Commonwealth University (VCU), Richmond, Virginia, USA | 252 |
| 09:00 | EPIGENETIC REGULATION OF ACUTE CORONARY SYNDROMES (Invited Lecture)
L.M. Biasucci , G. La Rosa, M.C. Grimaldi, C. Mandolini, F. Crea
Catholic University of the Sacred Heart, Rome, Italy | 253 |
| 09:15 | LOW SERUM LEVELS OF SOLUBLE RECEPTOR FOR ADVANCED GLYCATION END PRODUCTS IS NOT AN UNIVERSAL BIOMARKER FOR CARDIOVASCULAR DISEASE (Invited Lecture)
K. Prasad , University of Saskatchewan, Saskatoon, SK, Canada | 254 |
| 09:30 | INTERVENTIONS FOR STROKE PREVENTION: WHAT IS A CARDIOLOGIST TO DO? (Invited Lecture)
J.D. Marsh
University of Arkansas for Medical Sciences, Little Rock, Arkansas, USA | 255 |
| 09:45 | NOVEL MECHANISM OF EXERCISE-INDUCED CARDIOVASCULAR PROTECTION: ROLE OF EXOSOMES (Invited Lecture)
Z. Hou, G. Li, X. Qin, F. Gao
The Fourth Military Medical University, Xi'an, China | 256 |
| 10:00 | TARGETED THERAPEUTIC STRATEGY IN HIGH-RISK PLAQUE (Invited Lecture)
J.W. Kim
Korea University Guro Hospital, Seoul, Republic of Korea | 257 |
| 10:15 | IMPACT OF REACTIVE OXYGEN SPECIES ON CORONARY ATHEROSCLEROSIS (Invited Lecture)
M. Terashima
Toyohashi Heart Center, Toyohashi, Aichi, JAPAN | 258 |

SUNDAY, JULY 16, 2017

08:30 – 11:15

Hall B

PL15 Plenary Session

**ATHEROSCLEROSIS: FROM BASIC MECHANISMS TO NOVEL OPPORTUNITIES
FOR DIAGNOSIS, PROGNOSIS AND TREATMENT (cont.)**

Abstract No.

- | | | |
|-------|--|-----|
| 10:30 | IMMUNOLOGICAL CONCEPTS DRIVING ATHEROSCLEROTIC PLAQUE REGRESSION (Invited Lecture)
F. Dierick, V. Michaud, T. Ebrahimian, S. Lehoux
McGill University, Montreal QC, Canada | 259 |
| 10:45 | CHITOTRIOSIDASE AS A NON-LIPID MARKER OF ATHEROSCLEROSIS AND PROGNOSTIC FACTOR IN CARDIOVASCULAR EVENTS (Invited Lecture)
T.A. Korolenko , M.S. Cherkanova, N.V. Goncharova, A.B. Shintyapina, G.S. Russkikh, Ts.P. Korolenko
Institute of Physiology and Basic Medicine, Novosibirsk, Russia | 260 |
| 11:00 | NEW INSIGHTS INTO MYOCARDIALISCHEMIA/REPERFUSION INJURY - HOW TO DAMP-EN A RAGE-ING HEART (Invited Lecture)
Z. Yang
University of Virginia, Charlottesville, VA, USA | 261 |
| 11:15 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

SUNDAY, JULY 16, 2017

08:30 – 10:45

Hall C

S29

Session

ADVANCES IN INTERVENTIONAL CARDIOLOGY

Chairs: **A. Garcia**, Orlando, FL, USA
R. Sachdeva, Atlanta, GA, USA

Abstract No.

- | | | |
|-------|--|-----|
| 08:30 | EFFECT OF BASELINE REGIONAL WALL MOTION ABNORMALITIES ON CORONARY FRACTIONAL FLOW RESERVE
T.A. Ahmad, I. Gilchrist, A. Basit , E.H. Campoverde, S.M. Bokhari, M. Kozak
Penn State Milton S. Hershey Medical Center, Hershey, PA, USA | 262 |
| 08:45 | META-ANALYSIS COMPARING BIORESORBABLE VS. DRUG-ELUTING STENTS
N. King , C. Wood, N.A. Smart, Plymouth University, Plymouth, Devon, UK | 263 |
| 09:00 | ROUTINE ANGIOGRAPHIC FOLLOW-UP VERSUS ROUTINE CLINICAL FOLLOW-UP AFTER PCI: META-ANALYSIS OF RANDOMIZED CONTROLLED CLINICAL TRIALS
K. Shaikh, P. Sethi , N. Rajpurohit, M. Gedela, A. Stys
Sanford Heart Hospital University of South Dakota, SD, USA | 264 |
| 09:15 | PERCUTANEOUS CORONARY INTERVENTION OUTCOMES IN PATIENTS WITH PRE-PROCEDURAL THROMBOCYTOPENIA
A. Khan, S.I. Zaidi, G. Murtaza, E.S. Josan, H.B. Panchal, T.K. Paul, Z. Rahman
East Tennessee State University, Johnson City, TN, USA | 265 |
| 09:30 | USE OF CHEST X-RAY TO PREDICT PRESENCE OF TORTUOUS RIGHT BRACHIOCEPHALIC ARTERY PRIOR TO RIGHT RADIAL ACCESS FOR CARDIAC CATHETERIZATION PROCEDURES; A RETROSPECTIVE STUDY
S. Salem , D. Uppal, A. Sharma; R.N. Khouzam, R. Kedzierski, N. Garg
University of Tennessee Health Science Center, Memphis, TN, USA | 266 |
| 09:45 | SHOULD WE STILL DOUBT TRANSRADIAL ACCESS IN STEMI?
J.M. Telayna , R.A. Costantini, J.M. Telayna (h)
Hospital Universitario Austral, Buenos Aires, Argentina | 267 |
| 10:00 | SHORTER AND SHORTER DOOR-TO- BALLOON TIME FOR STEMI: SHOULD THERE BE A MINIMUM LIMIT?
T. Bob-Manuel, S. Askandar, P. Singh, M.R. Heckle , R.N Khouzam
University of Tennessee Health Science Center, Memphis, Tennessee, USA | 268 |
| 10:15 | INTRAMURAL HEMATOMAS, RECURRENT ST ELEVATION MYOCARDIAL INFARCTIONS, AND THE INSPIRATION FROM MARY POPPINS "THE CHIMNEY SWEEP TECHNIQUE"
M.S. Khan , S. Kelly, S. Li, M.R. Sheikh, T. Stys, A. Stys
University of South Dakota, Sanford School of Medicine, Sioux Falls, SD, USA | 269 |
| 10:30 | SUBCLAVIAN ARTERY STENOSIS WITH INTERNAL MAMMARY ARTERY OCCLUSION AND MUTLI-VESSEL OSTIAL STENOSES
K.A. Samtani , T.T. Aung, G.J. Fishbein
Wright State University, Dayton, OH, USA | 270 |
| 10:45 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

S30

Session

HEART FAILURE: PREDICTORS, NEW TREATMENT OPTIONS AND OUTCOME

Chairs: **M. Dandel**, Berlin, Germany
L. Djousse, Boston, MA, USA

Abstract No.

- | | | |
|-------|--|-----|
| 11:15 | <p>CLINICAL AND ECHOCARDIOGRAPHIC PREDICTORS OF ARRHYTHMIAS DETECTED WITH 24-HOUR HOLTER ELECTROCARDIOGRAPHY AMONG HYPERTENSIVE HEART FAILURE PATIENTS IN NIGERIA
 T.O. Mene-Afejuku, M.O. Balogun, A.O. Akintomide, R.A. Adebayo, O.E. Ajayi, V.N. Amadi, O.A. Oketona, A.N. Ikwu, B. Mene-Afejuku, O.J. Bamikole
 Metropolitan Hospital Center, New York, NY, USA</p> | 271 |
| 11:30 | <p>ANEMIA-RELATED HIGH OUTPUT HEART FAILURE IN SICKLE CELL DISEASE (SCD)- DOES IT EXIST?
 A.C. Atanda, O.I. Atanda, Y. Aliyu, A. Babadoko, A. Suleiman, A. Mamman, Z.Y. Aliyu
 Howard University Hospital, Washington DC, USA</p> | 272 |
| 11:45 | <p>A SPECIALTY SPECIFIC CARDIOLOGY CARE TEAM MODEL IN A PATIENT-CENTERED MEDICAL HOME SETTING IMPROVES EFFICIENCY, ACCESS, QUALITY AND PRODUCTIVITY IN A MULTI-SPECIALTY INTEGRATED HEALTHCARE DELIVERY SYSTEM
 A. Thakore, V. Malhotra
 AdvantageCare Physicians, New York, NY, USA</p> | 273 |
| 12:00 | <p>EFFECT OF BETA-BLOCKER THERAPY ON READMISSIONS AND MORTALITY IN HEART FAILURE PATIENTS WITH ONGOING COCAINE USE
 O.E. Egbuche, I. Ekechukwu, N. Maduabum, U. Obinwa, K. Ukpaka, A. Onwuanyu
 Morehouse School of Medicine, Atlanta, Georgia, USA</p> | 274 |
| 12:15 | <p>EFFECTIVENESS OF IMPLEMENTATION INTERVENTIONS IN IMPROVING PHYSICIAN ADHERENCE TO GUIDELINE RECOMMENDATIONS IN HEART FAILURE: A SYSTEMATIC REVIEW
 D. Shanbhag, I.D. Graham, K. Harlos, R.B. Haynes, I. Gabizon, S. Connolly, H.G.C. Van Spall
 Bachelor of Health Sciences Program, McMaster University, Hamilton, ON, Canada</p> | 275 |
| 12:30 | <p>ATRIAL FLUTTER IN A YOUNG WOMAN WITH DANON DISEASE
 N.Y. Tan, S. Kapa, S.J. Asirvatham, Mayo Clinic, Rochester, MN, USA</p> | 276 |
| 12:45 | <p>CANCER AND TAKOTSUBO CARDIOMYOPATHY – IS THERE A CONNECTION?
 J. Penalver, K. Lo, N. Sirinvaravong, D. Brito, G. Eiger
 Einstein Medical Center, Philadelphia, PA, USA</p> | 277 |
| 13:00 | <p>CHRONIC KIDNEY DISEASE AMONG PATIENTS WITH MULTIPLE CHRONIC CONDITIONS
 T.P. Terror, M.R.S. Fonseca, L.C. Paula, M.F. Oliveira, M.S. Carvalho, P.A. Miranda, S.G. Souza, V.C. Clemente, R.B. Paula, A.G.S. Galil
 Public University of Juiz de Fora, Juiz de Fora, Minas Gerais, Brazil</p> | 278 |
| 13:15 | <p>FULMINANT MYOCARDITIS CAUSED BY INFLUENZA A/H3
 A. Quddus, R. Aurshiyi, S. Pakniyat, A. Bajwa, J. Shirani
 St. Luke's University Health Network, Bethlehem, PA, USA</p> | 279 |

S31	Session	Abstract No.
	NEW CONCEPTS IN THE PATHOGENESIS, DETECTION AND TREATMENT OF CARDIOVASCULAR DISEASES	
	Chairs: S. Lehoux , Montreal, QC, Canada D.P. Ramji , Cardiff, UK	
11:30	OXIDIZED LDL INDUCED DENDRITIC CELL MATURATION AND T CELL ACTIVATION - A NOVEL IMMUNOLOGICAL ROLE OF PCSK9 A. Liu , J. Frostegard, Karolinska Institutet, Stockholm, Sweden	280
11:45	SEX DIFFERENCES IN THE EFFECT OF VITAMIN D ON INFLAMMATORY HEART DISEASE: PROTECTIVE IN WOMEN BUT DAMAGING IN MEN K.A. Bruno , L.T. Cooper, J.E. Mathews, E.J. Douglass, J.E. Brandt, A. Bucek, M.J. Coronado, D. Fairweather Mayo Clinic, Jacksonville, FL, USA	281
12:00	SERUM LEVEL OF DHA IS INDEPENDENTLY ASSOCIATED WITH CORONARY ARTERY DISEASE IN CHINESE ELDERLY POPULATION W.W. Liu , W.Y. Liang, J.W. Zhang, X.H. Chen, M.L. Liu Peking University First Hospital, Beijing, People's Republic of China	282
12:15	EFFICACY OF CANRENONE ADDED ON TOP OF MAXIMUM TOLERATED DOSE OF ANGIOTENSIN CONVERTING ENZYME INHIBITORS/ANGIOTENSIN II TYPE 1 RECEPTOR BLOCKERS PLUS HYDROCHLOROTHIAZIDE AS ASSESSED BY 24-H AMBULATORY BLOOD PRESSURE MONITORING IN UNCONTROLLED HYPERTENSIVE PATIENTS G.V. Gaudio , G. De Rosa, A. Lupi, A. Davino, C. Sala, A. Mugellini, V. Vulpis, S. Felis, M. Vanasia, L. Guasti G. Gaudio, on behalf of the ESCAPE-IT Trial Investigators group Asst Valle Olona, Somma Lombardo, Italy	283
12:30	RANOLAZINE AFTER NOVEL TREATMENT FOR ERBB2 POSITIVE BREAST CANCER (TDM1) PREVENTS CARDIOTOXICITY IN VITRO AND IN VIVO (Invited Lecture) N. Maurea , C. Coppola, G. Piscopo, G. Riccio, D. Rea, R. De Vecchis, F. Maurea, G. Sorrentino, C. De Lorenzo, M. De Laurentiis Istituto Nazionale per lo Studio e la Cura dei Tumori Fondazione Giovanni Pascale- IRCCS, Naples, Italy	284
12:45	TISSUE-ENGINEERED HEART VALVES WITH THE AUTOASSEMBLY METHOD M-A. Lepage , J. Ruel, J. Fradette, G. Laroche, J. Perron, L. Germain, F-A. Auger Faculty of Sciences and Engineering, Laval University, Quebec, QC, Canada	285
13:00	CYSTATIN C IN ACUTE LIPEMIA IN MICE PRETREATED BY ATORVASTATIN OR/AND FENOFIBRATE M.M. Gevorgyan, N.P. Voronina, G.S. Russkikh, E. Korolenko, N.V. Goncharova, T.A. Korolenko Institute of Physiology and Basic Medicine, Novosibirsk, Russia	286

SUNDAY, JULY 16, 2017

11:00 - 13:15

Hall C

S32 Session

VALVULAR AND STRUCTURAL HEART DISEASE: MECHANISMS AND TREATMENT OPTIONS

Chairs: **A. Miceli**, Milan, Italy
N. Rajamannan, Rochester, MN, USA

Abstract No.

- | | | |
|-------|---|-----|
| 11:00 | TRANSAPICAL AORTIC VALVE IMPLANTATION UTILIZING THE J-VALVE IN PATIENTS WITH AORTIC REGURGITATION: A ONE-YEAR RESULTS OF THE MULTI-CENTRE STUDY
M.W. Tung , W. Wang, F. Lee, X. Wang, X. Luo, C.S. Wang, L. Wei, Y.Q. Guo
State Key Laboratory of Cardiovascular Disease, Fuwai Hospital, Beijing, China | 287 |
| 11:15 | SUCCESSFUL PERCUTANEOUS MITRAL VALVE REPAIR IN SETTING OF PRIOR ANNULOPLASTY
A. Quddus , S. Olenchock, R. Durkin, C. Sarnoski, J. Shirani
St. Luke's University Health Network, Bethlehem, PA, USA | 288 |
| 11:30 | RHEUMATIC MITRAL STENOSIS: WHO NEEDS INTERVENTION?
D.R. Elremisy, M.H. Samaan , R.H. Diab, W.M. Elnaggar, G.S. Sayed
Cairo University, Cairo, Egypt | 289 |
| 11:45 | DIVERSE LAYOUT OF MULTI-HOLE SECUNDUM ATRIAL SEPTAL DEFECT AND DEVICE OCCLUSION USING DIFFERENT PERATRIAL TECHNIQUES
Z. Farhaj, H. Li , G. Wenbin, W.L. Zhang, N. Zhang, G.D. Yuan, C.W. Zou
Shandong Provincial Hospital Affiliated to Shandong University, Jinan, Shandong, P.R. China | 290 |
| 12:00 | MITRAL VALVE POSTERIOR LEAFLET ANEURYSM RESULTING FROM INFECTIVE ENDOCARDITIS: "A HEART INSIDE THE HEART"
T. Gilotra , H.B. Panchal, K. Sivagnanam, J.W. Schoondyke, T.K. Paul
East Tennessee State University, Johnson City, Tennessee, USA | 291 |
| 12:15 | PULMONARY VEIN STENOSIS TREATED WITH PERCUTANEOUS STENT FOLLOWING SINGLE LUNG TRANSPLANTATION
Y. Jobanputra, S.R. Kapadia, D.R. Johnston, V. Ahmed , B.M. Jones, M. Budev, C.R. Lane, A.C. Mehta
Cleveland Clinic, Cleveland, OH, USA | 292 |
| 12:30 | THE ASSOCIATION BETWEEN BICUSPID AORTIC VALVE PHENOTYPE, AORTIC VALVE LESION TYPE AND AORTIC CONFIGURATION
F. Li , Z.P. Huang, X.S. Ren
Peking Union Medical College, Beijing, China | 293 |
| 12:45 | RHEUMATIC HEART DISEASE IN SICKLE CELL DISEASE IN SUB-SAHARAN AFRICA
A.C. Atanda , Y. Aliyu, O.I. Atanda, A. Babadoko, A. Suleiman, A. Mamman, Z.Y. Aliyu
Howard University Hospital, Washington DC, USA | 294 |
| 13:00 | DIABETES AND HYPERTENSION ARE INDEPENDENT RISK FACTORS FOR THE PRESENCE OF AORTIC VALVE DISEASE
M.R. Movahed , M. Hashemzadeh, M. Hashemzadeh, University of Arizona, Tucson, AZ, USA | 295 |

SUNDAY, JULY 16, 2017

08:00 – 13:00

Poster Hall

P301 MOLECULAR AND CELLULAR CARDIOLOGY, BASIC RESEARCH

Board No.		Abstract No.
1	SILENCING OF CSF1R AND CSF1 IN MYELOID CELLS AMELIORATES EXPERIMENTAL AUTOIMMUNE MYOCARDITIS S. Meyer , M. Bohlender, S. Werkmeister, V. Eckstein, H.A. Katus, F. Leuschner University of Heidelberg, Heidelberg, Germany	296
2	ADIPOCYTE CELL SHEETS REDUCE MACROPHAGE PHENOTYPE 1 CELLS' INFILTRATION DURING THE REMODELING PROCESS OF XENOGENEIC SCAFFOLDS IN VIVO Y. Tong , Q. Wang, F. Fan, G. Fan Fuwai Hospital, National Center for Cardiovascular Diseases, Beijing, China	297
3	SPI-B PLAYS A PROTECTIVE ROLE IN PRESSURE OVERLOAD-INDUCED HEART FAILURE THROUGH ATTENUATION OF CARDIAC INFLAMMATION A. Kimura , Y. Ishida, M. Nosaka, I. Sasaki, H. Yamamoto, Y. Kuninaka, T. Kato, Y. Fukuda, T. Kaisho, T. Kondo Wakayama Medical University, Wakayama, Japan	298
4	HUMAN CARDIOMYOCYTES EXPRESS KLOTHO WHICH DECREASES IN PATIENTS WITH HIGH CARDIOVASCULAR RISK G. Corsetti, C. Romano, E. Pasini, H. Patel, L. Saravolatz, C. Chen-Scarabelli, T. Scarabelli , F. Dioguardi St. John Hospital and Medical Center, Wayne State University Medical School, Detroit, MI, and Virginia Commonwealth University (VCU) Medical Center. Richmond, Virginia	299
5	RESTORATION OF AUTOPHAGY ACTIVITY IN HIGH GLUCOSE INDUCED CARDIOMYOCYTE BY MESENCHYMAL STEM CELL THERAPY W.W.K. Kuo, S.Y.L. Lin T.S.C. Che, C.Y.H. Huang China Medical University, Taichung, Taiwan	300
6	MICRORNA-210 MEDIATES PKC delta-DEPENDENT UPREGULATION OF JNK TO CAUSE CARDIAC MITOCHONDRIAL DAMAGE AND APOPTOSIS FOLLOWING ADVANCED GLYCATION END-PRODUCTS EXPOSURE W.W.K. Kuo , C.Y.H. Huang China Medical University, Taichung, Taiwan	301
7	P21-ACTIVATED KINASE 1 IS NECESSARY FOR AN EFFICIENT AUTOPHAGY K. Tin, Y. Huang , S. Kobayashi, Q. Liang New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA	302
8	ANTIOXIDANT EFFECT OF ELTACIN IN THERAPY OF PATIENTS WITH ISCHEMIC HEART DISEASE E.V. Kalinina , R.M. Zaslavskaya, Y.R. Nartsissov RUDN University, Moscow, Russia	303

SUNDAY, JULY 16, 2017

08:00 – 13:00

Poster Hall

P302 LIPIDS, OBESITY, METABOLIC SYNDROME AND DIABETES

Board No.		Abstract No.
9	RELATION BETWEEN SECONDHAND SMOKE EXPOSURE AND CARDIOVASCULAR RISK FACTORS IN NEVER SMOKERS T.J. Youn , S.H. Kang, D.G. Park, K.J. Ahn Seoul National University and Seoul National University Bundang Hospital, Seongnam, Korea	304
10	NONALCOHOLIC STEATOHEPATITIS DOES NOT INCREASE THE RISK OF ADVERSE CARDIAC OUTCOMES FOLLOWING LIVER TRANSPLANTATION T. Othman , B. Kim, W.S. Schwartzman, H. Tun, M. Cao, T.L. Fong, H. VanHerle, D.M. Shavelle, A.J. Yoon Keck Medical Center of the University of Southern California, Los Angeles, CA, USA	305
11	THE EFFECT OF GINGER SUPPLEMENTATION ON THE LIPID PROFILES, BLOOD GLUCOSE, QUALITY OF LIFE AND FUNCTIONAL CAPACITY IN PATIENTS WITH CORONARY ARTERY DISEASES S.M.H. Adel , M. Alasvand, S. Alasvand, S. Yazdankhah, H. Babaahmadi-Rezaei, M. Noorizadehe Ahvaz Jundishapur University of Medical Sciences, Khuzestan, Ahvaz, Iran	306
12	THE STUDY OF CHANGES OF MOLECULAR BIOMARKERS DURING DEVELOPMENT OF OBESITY USING NUTRIGENOMIC TOOLS Y.B. Park , E-Y. Kwon, S.Y. Kim, R. Ryu, M-S. Choi Kyungpook National University, San-Kyuk Dong Puk-Ku, Daegu, South Korea	307
13	ACUTE EFFECTS OF EXERCISE ON POST-PRANDIAL ACTIVITY OF DIPEPTIDYL PEPTIDASE-4 IN TYPE 2 DIABETES MELLITUS N.M. Sousa , L.R. Silva, F.C. Barros, M.Z. Fraga, B. Coelho, W.G. Silva Filho, V.G. Barauna Laboratory of Exercise Physiology, Faculty of Estacio de Sa, Vitoria, ES, Brazil	308
14	STRICT CONTROL OF DIABETES MELLITUS MAY NOT PREVENT ARTERIOSCLEROSIS T. Matsubara , J. Suzuki, T. Kurosu, T. Kon, N. Tanji, E. Matsubara, S. Kodera, T. Tomaru Tokyo University Hospital, Tokyo, Japan	309
15	CTRP1 INHIBITS HYPERGLYCEMIA IN DIO MODEL S. Han, Y. Yang , Sookmyung Women's University, Seoul, South Korea	310
16	AUTONOMIC DYSFUNCTION IN EXTREME OBESITY E. Zawadzka-Bartczak , Military Institute of Aviation Medicine, Warsaw, Poland	311
17	CORRELATION OF LIPID PROFILE AND LIPOPROTEIN RATIOS WITH ANGIOGRAPHICALLY SIGNIFICANT CORONARY ARTERY DISEASE: A RETROSPECTIVE DESCRIPTIVE STUDY F.J. Navarro , R.E. Ramboyong The Medical City, Pasig City, Philippines	312

P303 HEART DISEASE IN WOMEN

Board No.		Abstract No.
18	DIFFERENTIAL GENDER BASED DIAGNOSTIC TESTING AND PREVALENCE OF CARDIOVASCULAR DISEASE, A COHORT ANALYSIS OF VETERANS ADMINISTRATION REGISTRY DATA S. Madireddy, R.R. Arora Chicago Medical School at Rosalind Franklin University of Medicine and Science, North Chicago, IL, USA	313
19	CARDIOVASCULAR RISK PREDICTORS AMONG BLACK AND AFRICAN AMERICAN WOMEN: A PRELIMINARY ANALYSIS OF THE P4 STUDY O.E. Egbuche , M. Hall, E. Alemah-Mensah, F. Ojutalayo, B. Lankford, P. Igho-Pemu, E. Ofili Morehouse School of Medicine, Atlanta, Georgia, USA	314
20	INITIAL EVALUATION OF THE MULTIMORBIDITIES AND THE FEMININE UNIVERSE: TO KNOW TO BETTER CARE M.R.S. Fonseca, T.P. Terror, G.L. Passos, L.V. Santos, M.S. Carvalho, A.G.S Galil Public University of Juiz de Fora, Juiz de Fora, Minas Gerais, Brasil	315

P304 ACUTE CORONARY SYNDROMES, INTERVENTIONAL THERAPIES

21	EFFECT OF BASELINE SYMPTOMS OF ANGINA ON CORONARY FRACTIONAL FLOW RESERVE T.A. Ahmad, I. Gilchrist, A. Basit , E.H. Campoverde, S.M. Bokhari, M Kozak Penn State Milton S. Hershey Medical Center, Hershey, PA, USA University of British Columbia, Vancouver, BC, Canada	316
22	PROCEDURAL EFFICACY OF FEMORAL VS RADIAL IN PERCUTANEOUS CORONARY INTERVENTIONS IN PATIENTS PRESENTING WITH STEMI J. Yee , V. Kumar, S. Li, J. Higgins, J. Stys, A. Pham, P.A. Thompson, M. Petrasko, A. Stys, T. Stys University of South Dakota, Sanford School of Medicine, Sioux Falls, SD, USA	317
23	IMPACT OF HYPERURICEMIA ON THE CLINICAL OUTCOME AFTER PERCUTANEOUS CORONARY INTERVENTION FOR IN-STENT RESTENOSIS H.J. Joo , S.H. Lee, J.H. Park, S.J. Hong, C.W. Yu, D.S. Lim Korea University Anam Hospital, Seoul, South Korea	318
24	SPONTANEOUS CORONARY ARTERY DISSECTION – A RETROSPECTIVE ANALYSIS OF 19676 CORONARY ANGIOGRAMS A. Panneerselvam , D. Basavanna, R. Ananthakrishna, P. Bhat, M.C. Nanjappa Sri Jayadeva Institute of Cardiovascular Sciences & Research, Bengaluru, Karnataka, India	319
25	SPONTANEOUS CORONARY ARTERY DISSECTION FOLLOWED BY IATROGENIC FEMORAL ARTERY DISSECTION IN A PATIENT WITH EHLERS-DANLOS SYNDROME M.C. Rodriguez Ziccardi , S. Sharma, R. Thomas, A.S. Ettore, R.F. Shepherd Albert Einstein Medical Center, Philadelphia, PA, USA	320

P304 ACUTE CORONARY SYNDROMES, INTERVENTIONAL THERAPIES (cont.)

Board No.		Abstract No.
26	COULD RELYING TOO MUCH ON RADIAL APPROACH RISK LOOSING THE TRADITIONAL FEMORAL SKILLS? S. Salem , R. Khouzam University of Tennessee Health Science Center, Memphis, TN, USA	321
27	RADIAL ARTERY OCCLUSION AFTER CARDIAC CATHETERIZATION: SIGNIFICANCE, RISK FACTORS AND MANAGEMENT M. Nayyar, M.R. Heckle , R. Khouzam, R. Goswami, C. Oliphant, H. Youssef, M. Morsy UTHSC - Division of Cardiology, University of Tennessee, Memphis TN, USA	322

P305 VALVULAR HEART DISEASE / TRANSCATHETER THERAPY

28	IMPROVEMENT OF CARDIAC SYMPATHETIC NERVOUS ACTIVITY AFTER TAVR EVALUATED BY USING 123I-MIBG SPECT Y. Tokuda , N. Asakawa, K. Noguchi, K. Kamiya, K. Omote Hokkaido University Graduate School of Medicine, Japan	323
29	TRICUSPID VALVE REPAIR VERSUS REPLACEMENT FOR VERY SEVERE FUNCTIONAL TRICUSPID REGURGITATION D.H. Kang , J.Y. Jang, R. Heo, J.M. Song, K.J. Choi, J.H. Zo Asan Medical Center, Seoul, Korea	324
30	THE INTEGRATED VALUE OF SST2 AND GLOBAL LONGITUDINAL STRAIN IN THE EARLY STRATIFICATION OF PATIENTS WITH SEVERE AORTIC VALVE STENOSIS: A TRANSLATIONAL IMAGING APPROACH I. Fabiani , L. Conte, N.R. Pugliese, E. Calogero, R. Di Stefano, T. Santoni, C. Scatena, U. Bortolotti, A.G. Naccarato, V. Di Bello S.D Cardioangiologia Universitaria-Unipi-Cisanello Hospital, Pisa, Italy	325
31	INTRACARDIAC ECHOCARDIOGRAPHY GUIDANCE DURING ANTEGRADE BALLOON AORTIC VALVULOPLASTY FOR SEVERE AORTIC STENOSIS K. Kamiya , N. Asakawa, K. Noguchi, Y. Tokuda, K. Omote Hokkaido University Graduate School of Medicine, Sapporo, Japan	326
32	AORTIC VALVE AND ROOT PROPORTIONS - DETAILED OBSERVATIONS N. Koshkelashvili, I. Goykhman, G.S. Pressman Einstein Medical Center, Philadelphia, PA, USA	327
33	FUNGAL ENDOCARDITIS WITH CANDIDA PARAPSILOSIS IN A PATIENT WITH IV DRUG USE T.G. Petrie , E.S. Roberto, A. Agarwal Wright State University Department of Internal Medicine, Dayton, OH, USA	328
34	BIOPROSTHETIC VALVE THROMBOSIS: MYTH OR MYSTERY? V.H. Patel , S. Neupane, K. Jasti St John Hospital & Medical Center, Detroit, MI, USA	329

P306 CARDIOMYOPATHY AND HEART FAILURE: DIAGNOSIS AND MANAGEMENT

Board No.		Abstract No.
35	CHRONIC TOTAL OCCLUSION REVASCLARIZATION IN PATIENTS PRESENTING FOR HEART TRANSPLANTATION F.S. Raza, J.W. Choi, M. Sherwood, R.C. Stoler, S.A. Hall, A. Bindra Baylor University Medical Center, Dallas TX, and Baylor Heart and Vascular Hospital, Dallas TX, USA	330
36	AMLODIPINE OVERDOSE INDUCED NONCARDIOGENIC PULMONARY EDEMA T. Dar , Y.R. Sedhai, A. Mir, A. Jilani, J. Janani Mercy Catholic Medical Center, Philadelphia, PA, USA	331
37	THE EFFECT OF PARATHYROID HORMONE (PTH) LEVEL ON SHORT TERM CLINICAL OUTCOME OF PATIENTS WITH CHRONIC SYSTOLIC HEART FAILURE; A DESCRIPTIVE PROSPECTIVE STUDY S.M.H. Adel , S. Soltani, N. Akiash, Z.H. Taherpour Atherosclerosis Research Center, Jundishapur University, Ahvaz, KH, Iran	332
38	SEQUENTIAL CARDIOMYOPATHIES: RESOLUTION OF ONE CARDIOMYOPATHY INCITES ANOTHER A.L. Stacey , E.S. Roberto, T. Aung, G. Broderick Wright State University Department of Internal Medicine, Dayton, OH, USA	333
39	DIFFERENT PROGNOSTIC FACTORS ACCORDING TO LEFT VENTRICULAR SYSTOLIC FUNCTION IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION S.H. Kim , M.S. Im, H.L. Kim, J.B. Seo, W.Y. Chung, J.H. Zo, M.A. Kim, H.L. Lee Seoul Boramae Hospital, Seoul National University College of Medicine, South Korea	334
40	A PHOTOVOICE EXPLORATION OF SELF-CARE EMPOWERMENT IN SINGAPOREAN PATIENTS LIVING WITH CHRONIC HEART FAILURE H.S. Chew , V. Lopez, K.N. Soon The Chinese University of Hong Kong, Hong Kong	335
41	CHANGES IN WEIGHT AND SERUM BNP LEVEL ARE CORRELATED IN PATIENTS WITH ACUTE HEART FAILURE UNDERGOING ULTRAFILTRATION THERAPY A. Koratala, A. Kazory University of Florida, Gainesville, Florida, USA	336



INTERNATIONAL
ACADEMY OF
CARDIOLOGY

**INTERNATIONAL ACADEMY OF CARDIOLOGY
ANNUAL SCIENTIFIC SESSIONS 2017
22nd WORLD CONGRESS ON
HEART DISEASE**

VANCOUVER, BC, CANADA, JULY 14 – 16, 2017



INDEX

I N D E X



CardiologyOnline.com
CARDIOLOGY ONLINE