

**VANCOUVER, BC • 2011**



INTERNATIONAL ACADEMY OF CARDIOLOGY  
16th WORLD CONGRESS ON  
**HEART DISEASE**  
ANNUAL SCIENTIFIC SESSIONS 2011

VANCOUVER, BC, CANADA, July 23-26, 2011

**PROGRAM**

**CardiologyOnline.com**

CARDIOLOGY ONLINE

Affiliated with:



AMERICAN  
COLLEGE of  
CARDIOLOGY

California  
CHAPTER



**INTERNATIONAL ACADEMY OF CARDIOLOGY**  
**16th WORLD CONGRESS ON**  
**HEART DISEASE**  
**ANNUAL SCIENTIFIC SESSIONS 2011**

**Under the auspices of the:**

INTERNATIONAL ACADEMY OF CARDIOLOGY

**Affiliated with the:**

AMERICAN COLLEGE OF CARDIOLOGY, CALIFORNIA CHAPTER

**Acknowledgement:**

We would like to offer very special thanks to the following companies and organizations for their generous unrestricted educational grants. Their financial support has helped make this congress possible.

**Boston Scientific Corporation**

**Medtronic, Inc.**

**CME Approved by AMA:**

The scientific program of the 16th World Congress on Heart Disease has been reviewed by the American Medical Association and approved for a maximum of 24.75 AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. One credit may be claimed for each hour of participation in approved sessions.

**Faculty Disclosure Policy:**

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

**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](mailto:klimedco@ucla.edu)

Website: [www.CardiologyOnline.com](http://www.CardiologyOnline.com)

Cover picture courtesy of Tourism Vancouver/ Albert Normandin



INTERNATIONAL ACADEMY OF CARDIOLOGY  
16th WORLD CONGRESS ON  
**HEART DISEASE**  
ANNUAL SCIENTIFIC SESSIONS 2011

---

VANCOUVER, BC, CANADA, JULY 23 – 26, 2011

---

**PROGRAM**

---

# CONTENTS

Chairman's Letter .....	5
Section Chairs .....	6
Scientific Executive Committee .....	7
Scientific Advisory Board .....	8
Scientific Abstract Review Committee .....	11
Acknowledgements .....	13
General Information .....	14
Social Program .....	17
List of Exhibitors .....	18
Scientific Program	
Sunday, July 24, 2011 .....	21
Monday, July 25, 2011 .....	47
Tuesday, July 26, 2011 .....	79
Index .....	97



## 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, 16th World Congress on Heart Disease, Annual Scientific Sessions 2011.

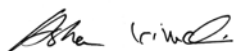
The Congress has been designed to provide an innovative and comprehensive overview of the latest research developments in cardiovascular medicine, primarily in the areas of molecular biology, coronary artery disease, heart failure, cardiac arrhythmias and cardiac surgery.

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 800 abstracts submitted for presentation at the meeting. These studies, originating from laboratories in 59 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, to Target Conferences for their excellent arrangements in all aspects of the Congress, 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.

Yours sincerely,



Asher Kimchi, MD  
Chairman

## FOUNDER AND CONGRESS CHAIRMAN

---

**Asher Kimchi**, USA

## SECTION CHAIRS

**Naranjan S. Dhalla**, Canada  
**Pawan K. Singal**, Canada  
MOLECULAR CARDIOLOGY

**Kenneth Maiese**, USA  
**Marcos A. Rossi**, Brazil  
VASCULAR BIOLOGY

**Lewis C. Becker**, USA  
**James D. Marsh**, USA  
GENETICS OF HEART DISEASE

**James H. Chesebro**, USA  
**Sergio Dalla Volta**, Italy  
CORONARY CIRCULATION

**George W. Vetrovec**, USA  
INTERVENTIONAL CARDIOLOGY

**Sherif F. Nagueh**, USA  
**Takanonu Tomaru**, Japan  
CARDIAC IMAGING

**Udho Thadani**, USA  
CARDIOVASCULAR PHARMACOLOGY  
AND DRUG THERAPY

**Jeffrey S. Borer**, USA  
VALVULAR HEART DISEASE

**Hani N. Sabbah**, USA  
MYOCARDIAL AND PERICARDIAL DISEASES

**Uri Elkayam**, USA  
**Bodh I. Jugdutt**, Canada  
HEART FAILURE

**Michael E. Cain**, USA  
ARRHYTHMIAS AND ELECTROPHYSIOLOGY

**Timothy F. Feltes**, USA  
**Angela T. Yetman**, USA  
PEDIATRIC CARDIOLOGY

**John A. Elefteriades**, USA  
CARDIOVASCULAR SURGERY

## SCIENTIFIC EXECUTIVE COMMITTEE

---

**John A. Eleftheriades**, USA (Chairman)

**Kumar A. Adarsh**, India

**Ali Ahmed**, USA

**Elena Aikawa**, USA

**Masanori Aikawa**, USA

**Martin A. Alpert**, USA

**Ezra A. Amsterdam**, USA

**Nestor J. Angomachalelis**, Greece

**Wilbert S. Aronow**, USA

**Elizabeth Barrett-Connor**, USA

**Gregory W. Barsness**, USA

**Lewis C. Becker**, USA

**Jonathan N. Bella**, USA

**Ori Ben-Yehuda**, USA

**Gerald S. Berenson**, USA

**Daniel S. Berman**, USA

**Yochai Birnbaum**, USA

**Vera Bittner**, USA

**Peter C. Block**, USA

**Jeffrey S. Borer**, USA

**Harisios Boudoulas**, Greece

**Robert C. Bourge**, USA

**Mohamed Boutjdir**, USA

**Neil E. Bowles**, USA

**John Burnett**, USA

**Michael E. Cain**, USA

**Yzhar Charuzi**, USA

**Kanu Chatterjee**, USA

**Changyi (Johnny) Chen**, USA

**James H. Chesebro**, USA

**Michael H. Criqui**, USA

**Anne Curtis**, USA

**Lawrence S. Czer**, USA

**Sergio Dalla-Volta**, Italy

**Dipak K. Das**, USA

**Naranjan S. Dhalla**, Canada

**Anique Ducharme**, Canada

**Uri Elkayam**, USA

**Timothy F. Feltes**, USA

**Janos G. Filep**, Canada

**Ulrich Forstermann**, Germany

**Valentin Fuster**, USA

**William H. Gaasch**, USA

**S. David Gertz**, Israel

**Herbert J. Geschwind**, France

**Sidney Goldstein**, USA

**Otto M. Hess**, Switzerland

**Roland Hetzer**, Germany

**Gerd Heusch**, Germany

**Robert E. Hobbs**, USA

**Brian D. Hoyt**, USA

**Masatsugu Hori**, Japan

**Maryl R. Johnson**, USA

**Bodh I. Jugdutt**, Canada

**Saibal Kar**, USA

**Ulrich Keil**, Germany

**Lorrie Kirshenbaum**, Canada

**Arthur L. Klatsky**, USA

**Anne A. Knowlton**, USA

**Rungroj Krittayaphong**, Thailand

**Lih Kuo**, USA

**Hillel Laks**, USA

**Philip R. Liebson**, USA

**Chaim Lotan**, Israel

**Kenneth Maiese**, USA

**Rajendra Makkar**, USA

**Tadeusz Malinski**, USA

**Roberto Manfredini**, Italy

**James D. Marsh**, USA

**Verghese Mathew**, USA

**Jawahar L. Mehta**, USA

**Luisa Mestroni**, USA

**Dan M. Meyer**, USA

**Wayne L. Miller**, USA

**Mohammad-Reza Movahed**, USA

**Harald Mudra**, Germany

**Sherif F. Nagueh**, USA

**John N. Nanas**, Greece

**Navin C. Nanda**, USA

**Brian Olshansky**, USA

**Kailash N. Pandey**, USA

**Cam Patterson**, USA

**Louis P. Perrault**, Canada

**Fausto J. Pinto**, Portugal

**Bertram Pitt**, USA

**Mariavittoria H. Pitzalis**, USA

**Karin Przyklenk**, USA

**Nalini M. Rajamannan**, USA

**James A. Reiffel**, USA

**William C. Roberts**, USA

**Clive Rosendorff**, USA

**Geoffrey L. Rosenthal**, USA

**Marcos A. Rossi**, Brazil

**Israel Rubinstein**, USA

**Hani N. Sabbah**, USA

**Tatsuya Sawamura**, Japan

**Heinz-Peter Schultheiss**, Germany

**Prediman K. Shah**, USA

**Horst Sievert**, Germany

**Pawan K. Singal**, Canada

**Francis G. Spinale**, USA

**Randall C. Starling**, USA

**Jean-Francois Tanguay**, Canada

**Udho Thadani**, USA

**Erika Tomaru**, Japan

**Takanobu Tomaru**, Japan

**Teruhiko Toyo-Oka**, Japan

**Dan Tzivoni**, Israel

**Barry F. Uretsky**, USA

**George W. Vetrovec**, USA

**Rene R. Wenzel**, Austria

**Mark A. Wood**, USA

**Qingbo Xu**, UK

**Angela T. Yetman**, USA

**Mitsuhiro Yokota**, Japan

## SCIENTIFIC ADVISORY BOARD

- Stephan Achenbach**, Germany  
**Chris Adamopoulos**, Greece  
**Mehnaz Atiq Ahmed**, Pakistan  
**Takashi Akasaka**, Japan  
**Fernando Alfonso**, Spain  
**Sana E. Al-Khatib**, USA  
**Matthew Allison**, USA  
**Miguel Alvarez**, Spain  
**Giuseppe Ambrosio**, Italy  
**Dominick J. Angiolillo**, USA  
**Charles Antzelevitch**, USA  
**Juan M. Aranda Jr.**, USA  
**Maria R.G. Araneta**, USA  
**Vignendra Ariyaratnam**, Canada  
**Nadir Askenasy**, Israel  
**Subhash Banerjee**, USA  
**Giuseppe Barbaro**, Italy  
**Philip Barter**, Australia  
**Alexei G. Basnakian**, USA  
**Ronen Beeri**, Israel  
**Lars Berglund**, USA  
**Deepak L. Bhatt**, USA  
**Robert W. W. Biederman**, USA  
**Riccardo Bigi**, Italy  
**Burns C. Blaxall**, USA  
**Vicente Bodi**, Spain  
**Leonardo Bolognese**, Italy  
**William J. Bommer**, USA  
**Eduardo Bossone**, Italy  
**Michiel L. Bots**, The Netherlands  
**Sorin J. Brener**, USA  
**David L. Brown**, USA  
**Gianfranco Butera**, Italy  
**Marcella A. Calton**, USA  
**Duncan J. Campbell**, Australia  
**Alessandro Capucci**, Italy  
**Filip P. A. Casselman**, Belgium  
**Erdal Cavusoglu**, USA  
**Turgay Celik**, Turkey  
**Roman Cerbak**, Czech Republic  
**Julie Y.H. Chan**, Taiwan-R.O.C.  
**Farooq A. Chaudhry**, USA  
**Shih-Ann Chen**, Taiwan-R.O.C.  
**Yingjie Chen**, USA  
**Yiu-Fai Cheung**, China  
**Nip Chiamvimonvat**, USA  
**Julio A. Chirinos**, USA  
**Shorena Chumburidze**, Georgia  
**Edward J. Ciccio**, USA  
**Pamelyn Close**, USA  
**Leslie Cooper**, USA  
**Roberto Corti**, Switzerland  
**Francois Dagenais**, Canada  
**Luciano Daliento**, Italy  
**Alexander H. J. Danser**, The Netherlands  
**Harold Dauerman**, USA  
**Sandra T. Davidge**, Canada  
**Raffaele De Caterina**, Italy  
**Giuseppe De Luca**, Italy  
**Giovanni De Simone**, Italy  
**Dick De Zeeuw**, The Netherlands  
**Prakash C. Deedwania**, USA  
**Thomas Deneke**, Germany  
**Alan Y. Deng**, Canada  
**Milind Y. Desai**, USA  
**Rienzi Diaz**, Chile  
**Robert Dibianco**, USA  
**Luc Djousse**, USA  
**Dobromir Dobrev**, Germany  
**Daniel Duprez**, USA  
**Firat Duru**, Switzerland  
**Vladimir Dzavik**, Canada  
**Jesus Egido**, Spain  
**Abdoul Elhendy**, USA  
**Georg Ertl**, Germany  
**Michael Farkouh**, Canada  
**Mohamed Eid Fawzy**, Egypt  
**Franco Fedele**, Italy  
**David Fedida**, Canada  
**Arthur M. Feldman**, USA  
**Victor Ferrari**, USA  
**Carlos M. Ferrario**, USA  
**Gerasimos Filippatos**, Greece  
**Avi Fischer**, USA  
**John D. Fisher**, USA  
**Daniel Flammang**, France  
**Ferenc Follath**, Switzerland  
**Nikolaos G. Frangogiannis**, USA  
**Tohru Fukai**, USA  
**Gordon L. Fung**, USA  
**Eli S. Gang**, USA  
**Feng Gao**, China  
**Julius Gardin**, USA  
**Peter R. A. Gaskin**, USA  
**Jacob George**, Israel  
**Bernard J. Gersh**, USA  
**J. Rod Gimbel**, USA  
**Andreas Goette**, Germany  
**Larry B. Goldstein**, USA  
**Jonathan Gollledge**, Australia  
**Agnes Gorlach**, Germany  
**Shmuel Gottlieb**, Israel  
**Ramesh K. Goyal**, India  
**Kathy K Griendling**, USA  
**Peter G. Guerra**, Canada  
**Sandeep Gupta**, UK  
**Finn Gustafsson**, Denmark  
**Mariann Gyongyosi**, Austria  
**Majid Haghjoo**, Iran  
**Jennifer L. Hall**, USA  
**Goran Hansson**, Sweden  
**Louise Harris**, Canada  
**David G. Harrison**, USA  
**Anthony M. Heagerty**, UK  
**Paul A. Heidenreich**, USA  
**Donald Heistad**, USA  
**Charles H. Hennekens**, USA  
**Charles A. Henrikson**, USA  
**Michel Henry**, France  
**Ramon C. Hermida**, Spain  
**Adrian V. Hernandez**, USA  
**Shungo Hikoso**, Japan  
**Yoshitaka Hirooka**, Japan  
**John S. Ho**, USA  
**Paul C. Ho**, USA  
**Paul Holvoet**, Belgium  
**Masatsugu Horiuchi**, Japan  
**Gang Hu**, USA  
**Ignatios Ikonomidis**, Greece  
**Massimo Imazio**, Italy  
**Davide Imberti**, Italy  
**Takafumi Ishida**, Japan  
**Carsten W. Israel**, Germany  
**Christopher Jackson**, UK  
**Allan S. Jaffe**, USA



## SCIENTIFIC ADVISORY BOARD (cont'd)

- Farouc Jaffer**, USA  
**Deepak J. Jain**, Germany  
**Jesper K. Jensen**, Denmark  
**Daniela Jezova**, Slovak Republic  
**Wei Jiang**, USA  
**Luis J. Jimenez-Borreguero**, Spain  
**Hanjoong Jo**, USA  
**Eric Jorgensen**, Denmark  
**J. Wouter Jukema**, The Netherlands  
**Hanjoerg Just**, Germany  
**Alan H. Kadish**, USA  
**Hideo Kanaide**, Japan  
**Bharat Kantharia**, USA  
**Samir Kapadia**, USA  
**Juan Carlos Kaski**, UK  
**Demosthenes K. Katritsis**, Greece  
**Osami Kawarada**, Japan  
**Amir Kazory**, USA  
**Henning Kelbaek**, Denmark  
**Ijaz Khan**, USA  
**Ahmed A. Khattab**, Switzerland  
**Yasuki Kihara**, Japan  
**Ichiro Kishimoto**, Japan  
**Masafumi Kitakaze**, Japan  
**Richard Kitsis**, USA  
**Lloyd W. Klein**, USA  
**Wolfgang Koenig**, Germany  
**Kwang K. Koh**, South Korea  
**Masashi Komeda**, Japan  
**Igor Konstantinov**, Australia  
**Bruce A. Koplan**, USA  
**Smadar Kort**, USA  
**Spyridon N. Koulouris**, Greece  
**Hidegori Koyama**, Japan  
**Dara L. Kraitchman**, USA  
**Zvonimir Krajcer**, USA  
**Leonard Kritharides**, Australia  
**Henry Krum**, Australia  
**Howard S. Kruth**, USA  
**Wolfgang Kubler**, Germany  
**Snehal Kulkarni**, India  
**Edward G. Lakatta**, USA  
**Rachel Lampert**, USA  
**Ulf Landmesser**, Germany  
**Roberto M. Lang**, USA  
**Alexandra Lansky**, USA  
**Chu-Pak Lau**, Hong Kong  
**Gail Laughlin**, USA  
**Harold L. Lazar**, USA  
**Scott A. Lear**, Canada  
**Mu Lee**, USA  
**Stephanie Lehoux**, Canada  
**Stamatios Lerakis**, USA  
**Robert A. Levine**, USA  
**Jian Li**, USA  
**Shing- Jong Lin**, Taiwan-R.O.C.  
**Steven E. Lipshultz**, USA  
**Peter P. Liu**, Canada  
**Carlin S. Long**, USA  
**Gary Lopaschuk**, Canada  
**Douglas W. Losordo**, USA  
**Harry C. Lowe**, Australia  
**Mohammad Madjid**, USA  
**John J. Mahmarian**, USA  
**Ehtisham Mahmud**, USA  
**Bernhard Maisch**, Germany  
**Fabio Manfredini**, Italy  
**Warren J. Manning**, USA  
**Mario Maranhao**, Brazil  
**Francis E Marchlinski**, USA  
**Nassir F. Marrouche**, USA  
**Goran Hansson**, Sweden  
**Louise Harris**, Canada  
**David G. Harrison**, USA  
**Anthony M. Heagerty**, UK  
**Paul A. Heidenreich**, USA  
**Donald Heistad**, USA  
**Charles H. Hennekens**, USA  
**Charles A. Henrikson**, USA  
**Michel Henry**, France  
**Ramon C. Hermida**, Spain  
**Adrian V. Hernandez**, USA  
**Shungo Hikoso**, Japan  
**Yoshitaka Hirooka**, Japan  
**John S. Ho**, USA  
**Paul C. Ho**, USA  
**Paul Holvoet**, Belgium  
**Masatsugu Horiuchi**, Japan  
**Gang Hu**, USA  
**Ignatios Ikonomidis**, Greece  
**Massimo Imazio**, Italy  
**Daive Imberti**, Italy  
**Takafumi Ishida**, Japan  
**Carsten W. Israel**, Germany  
**Christopher Jackson**, UK  
**Allan S. Jaffe**, USA  
**Farouc Jaffer**, USA  
**Deepak J. Jain**, Germany  
**Jesper K. Jensen**, Denmark  
**Antonio Martinez Rubio**, Spain  
**Masunori Matsuzaki**, Japan  
**Brian Mccrindle**, Canada  
**Pascal Mckeown**, UK  
**James B. Meigs**, USA  
**Jose L. Merino**, Spain  
**Tetsuji Miura**, Japan  
**Werner Mohl**, Austria  
**Henning Morawietz**, Germany  
**Raul Moreno**, Spain  
**Ryuichi Morishita**, Japan  
**Marjan Mujib**, USA  
**Satoshi Nakatani**, Japan  
**Aravinda Nanjundappa**, USA  
**Mohamad Navab**, USA  
**Arnold C.T. Ng**, Australia  
**Alexander Niessner**, Austria  
**Robby Nieuwlaat**, The Netherlands  
**Kevin D. O'brien**, USA  
**Daniel T. O'connor**, USA  
**Kenji Okumura**, Japan  
**Torbjorn Omland**, Norway  
**Dean Ornish**, USA  
**Kinay Otsu**, Japan  
**Ilka Ott**, Germany  
**Noriyuki Ouchi**, Japan  
**Gavin Y. Oudit**, Canada  
**I. Eli Ovsyshcher**, Israel  
**Salpy V. Pamboukian**, USA  
**Demosthenes B. Panagiotakos**, Greece  
**John Parissis**, Greece  
**Gerard Pasterkamp**, The Netherlands  
**Kaushik P. Patel**, USA  
**Daniel F. Pauly**, USA  
**Patricia A. Pellikka**, USA  
**Joseph K. Perloff**, USA

## SCIENTIFIC ADVISORY BOARD (cont'd)

Luc A. Pierard, Belgium  
Cristina Pislaru, USA  
Sorin Pislaru, USA  
Christos Pitsavos, Greece  
Kailash Prasad, Canada  
Domenico Pratico, USA  
Kirkwood A. Pritchard, USA  
Maria Prokudina, Russia  
Vijay Puri, UK  
Aniket Puri, India  
Mohan K. Raizada, USA  
Sanjay Rajagopalan, USA  
Jamal S. Rana, USA  
P. Syamasundar Rao, USA  
Anis Jr. Rassi Jr, Brazil  
Hanumant K. Reddy, USA  
Muredach P. Reilly, USA  
Xiushui (Mike) Ren, USA  
Paul M. Ridker, USA  
Joe L. Rod, USA  
Ivan C. Rokos, USA  
Giuseppe Rosano, Italy  
Eric Rosenthal, UK  
Arie Roth, Israel  
Marc Ruel, Canada  
Carlos E. Ruiz, USA  
Cyril Ruwende, USA  
Frederic Sacher, France  
Masood Sadiq, Pakistan  
Guy Salama, USA  
Flora Sam, USA  
George Sandor, Canada  
Raul D. Santos, Brazil  
Hiroshi Sato, Japan  
Naveed Sattar, UK  
Anita Saxena, India  
Tiziano M. Scarabelli, USA  
Saul Schaefer, USA  
Hartzell V. Schaff, USA  
Heinrich R. Schelbert, USA  
Thomas M. Schiele, Germany  
Samuel Sears, USA  
Yoshihiko Seino, Japan  
Frank W. Sellke, USA  
Joseph B. Selvanayagam, Australia

Roxy Senior, UK  
Howard D. Sesso, USA  
Arti N. Shah, USA  
Fayaz Shawl, USA  
Robert S. Sheldon, Canada  
Win-Kuang Shen, USA  
Guo-Ping Shi, USA  
Jamshid Shirani, USA  
Avraham Shotan, Israel  
Rosa Sicari, Italy  
Maria Siebes, The Netherlands  
Robert J. Siegel, USA  
Jean-Sebastien Silvestre, France  
Alain Simon, France  
Dinender K. Singla, USA  
Jane Somerville, UK  
Yiqing Song, USA  
V. S. Srinivas, USA  
Komandoor Srivathsan, USA  
Paul Steendijk, The Netherlands  
Ralph Stewart, New Zealand  
Martin Stockburger, Germany  
George A. Stouffer, USA  
Phyllis G. Supino, USA  
Jesper Hastrup Svendsen, Denmark  
Csaba Szabo, USA  
Masahiko Takagi, Japan  
Masafumi Takahashi, Japan  
Akira Tamura, Japan  
W. H. Wilson Tang, USA  
Laszlo B. Tanko, Denmark  
Paramjit S. Tappia, Canada  
Luis Tercedor Sánchez, Spain  
Bernard Thibault, Canada  
Dimitris Tousoulis, Greece  
Ronald J. A. Trent, Australia  
Teresa Tsang, USA  
Belma Turan, Turkey  
Suresh C. Tyagi, USA  
Yasunori Ueda, Japan  
Masuko Ushio-Fukai, USA  
Stephen F. Vatner, USA  
Johannes Waltenberger, The Netherlands  
Jou-Kou Wang, Taiwan-R.O.C.  
Lu Wang, USA

Sven Wassmann, Canada  
Hiroshi Watanabe, Japan  
Nanette K. Wenger, USA  
Cornelia M. Weyand, USA  
Harvey White, New Zealand  
Norbert Wilke, USA  
Nathan D. Wong, USA  
Scott Wright, USA  
Joseph Wu, USA  
Takumi Yamada, USA  
Shizuya Yamashita, Japan  
Zhong-Qun Yan, Sweden  
Phillip C. Yang, USA  
Masafumi Yano, Japan  
Jian Ye, Canada  
Xi-Yong Yu, China  
Doron Zahger, Israel  
Maliha Zahid, USA  
Dong Zhao, China  
Xi-Long Zheng, Canada  
Xinghua Zhou, Sweden  
Ming-Hui Zou, USA  
Irving H. Zucker, USA



## SCIENTIFIC ABSTRACT REVIEW COMMITTEE

- Chris Adamopoulos**, Greece  
**Kumar A. Adarsh**, India  
**Ali Ahmed**, USA  
**Mehnaz Atiq Ahmed**, Pakistan  
**Elena Aikawa**, USA  
**Takashi Akasaka**, Japan  
**Fernando Alfonso**, Spain  
**Sana E. Al-Khatib**, USA  
**Martin A. Alpert**, USA  
**Miguel Alvarez**, Spain  
**Nestor J. Angomachalelis**, Greece  
**Maria R.G. Araneta**, USA  
**Wilbert S. Aronow**, USA  
**Giuseppe Barbaro**, Italy  
**Gregory W. Barsness**, USA  
**Philip Barter**, Australia  
**Alexei G. Basnakian**, USA  
**Lewis C. Becker**, USA  
**Ronen Beeri**, Israel  
**Jonathan N. Bella**, USA  
**Lars Berglund**, USA  
**Daniel S. Berman**, USA  
**Deepak L. Bhatt**, USA  
**Robert W. W. Biederman**, USA  
**Riccardo Bigi**, Italy  
**Yochai Birnbaum**, USA  
**Vera Bittner**, USA  
**Vicente Bodi**, Spain  
**Jeffrey S. Borer**, USA  
**Eduardo Bossone**, Italy  
**Michiel L. Bots**, The Netherlands  
**Mohamed Boutjdir**, USA  
**Neil E. Bowles**, USA  
**Sorin J. Brener**, USA  
**Gianfranco Butera**, Italy  
**Michael E. Cain**, USA  
**Marcella A. Calfon**, USA  
**Duncan J. Campbell**, Australia  
**Alessandro Capucci**, Italy  
**Filip P. A. Casselman**, Belgium  
**Turgay Celik**, Turkey  
**Julie Y.H. Chan**, Taiwan-R.O.C.
- Yzhar Charuzi**, USA  
**Kanu Chatterjee**, USA  
**Farooq A. Chaudhry**, USA  
**Changyi (Johnny) Chen**, USA  
**Yingjie Chen**, USA  
**James H. Chesebro**, USA  
**Yiu-Fai Cheung**, China  
**Julio A. Chirinos**, USA  
**Edward J. Ciaccio**, USA  
**Leslie Cooper**, USA  
**Michael H. Criqui**, USA  
**Anne Curtis**, USA  
**Luciano Daliento**, Italy  
**Sergio Dalla-Volta**, Italy  
**Dipak K. Das**, USA  
**Sandra T. Davidge**, Canada  
**Giovanni De Simone**, Italy  
**Thomas Deneke**, Germany  
**Naranjan S. Dhalla**, Canada  
**Luc Djoussé**, USA  
**Anique Ducharme**, Canada  
**Firat Duru**, Switzerland  
**Jesus Egido**, Spain  
**Abdou Elhendy**, USA  
**Mohamed Eid Fawzy**, Egypt  
**David Fedida**, Canada  
**Janos G. Filep**, Canada  
**Gerasimos Filippatos**, Greece  
**Avi Fischer**, USA  
**Daniel Flammang**, France  
**Ferenc Follath**, Switzerland  
**Ulrich Forstermann**, Germany  
**Nikolaos G. Frangogiannis**, USA  
**Valentin Fuster**, USA  
**William H. Gaasch**, USA  
**Feng Gao**, China  
**Julius Gardin**, USA  
**Peter R. A. Gaskin**, USA  
**S. David Gertz**, Israel  
**J. Rod Gimbel**, USA  
**Larry B. Goldstein**, USA  
**Jonathan Golledge**, Australia
- Finn Gustafsson**, Denmark  
**Mariann Gyongyosi**, Austria  
**Louise Harris**, Canada  
**Anthony M. Heagerty**, UK  
**Paul A. Heidenreich**, USA  
**Donald Heistad**, USA  
**Charles H. Hennekens**, USA  
**Charles A. Henrikson**, USA  
**Michel Henry**, France  
**Ramon C. Hermida**, Spain  
**Adrian V. Hernandez**, USA  
**Roland Hetzer**, Germany  
**Shungo Hikoso**, Japan  
**Yoshitaka Hirooka**, Japan  
**Robert E. Hobbs**, USA  
**Paul Holvoet**, Belgium  
**Masatsugu Hori**, Japan  
**Masatsugu Horiuchi**, Japan  
**Gang Hu**, USA  
**Ignatios Ikonomidis**, Greece  
**Davide Imberti**, Italy  
**Takafumi Ishida**, Japan  
**Christopher Jackson**, UK  
**Allan S. Jaffe**, USA  
**Farouc Jaffer**, USA  
**Deepak J. Jain**, Germany  
**Jesper K. Jensen**, Denmark  
**Daniela Jezova**, Slovak Republic  
**Wei Jiang**, USA  
**Maryl R. Johnson**, USA  
**Bodh I. Jugdutt**, Canada  
**J. Wouter Jukema**, The Netherlands  
**Bharat Kantharia**, USA  
**Juan Carlos Kaski**, UK  
**Ichiro Kishimoto**, Japan  
**Masafumi Kitakaze**, Japan  
**Arthur L. Klatsky**, USA  
**Anne A. Knowlton**, USA  
**Wolfgang Koenig**, Germany  
**Spyridon N. Koulouris**, Greece  
**Hidenori Koyama**, Japan  
**Dara L. Kraitzman**, USA

## SCIENTIFIC ABSTRACT REVIEW COMMITTEE (cont'd)

- Rungroj Krittayaphong**, Thailand  
**Howard S. Kruth**, USA  
**Snehal Kulkarni**, India  
**Lih Kuo**, USA  
**Roberto M. Lang**, USA  
**Harold L. Lazar**, USA  
**Scott A. Lear**, Canada  
**Mu Lee**, USA  
**Robert A. Levine**, USA  
**Jian Li**, USA  
**Philip R. Liebson**, USA  
**Shing-Jong Lin**, Taiwan-R.O.C.  
**Gary Lopaschuk**, Canada  
**John J. Mahmarian**, USA  
**Ehtisham Mahmud**, USA  
**Bernhard Maisch**, Germany  
**Roberto Manfredini**, Italy  
**James D. Marsh**, USA  
**Antonio Martinez Rubio**, Spain  
**Brian Mccrindle**, Canada  
**Pascal Mckeown**, UK  
**Jawahar L. Mehta**, USA  
**Luisa Mestroni**, USA  
**Dan M. Meyer**, USA  
**Wayne L. Miller**, USA  
**Werner Mohl**, Austria  
**Raul Moreno**, Spain  
**Ryuichi Morishita**, Japan  
**Mohammad-Reza Movahed**, USA  
**Marjan Mujib**, USA  
**Sherif F. Nagueh**, USA  
**Satoshi Nakatani**, Japan  
**Aravinda Nanjundappa**, USA  
**Arnold C.T. Ng**, Australia  
**Alexander Niessner**, Austria  
**Brian Olshansky**, USA  
**Peter Ong**, UK  
**Ilka Ott**, Germany  
**Noriyuki Ouchi**, Japan  
**Gavin Y. Oudit**, Canada  
**Gerard Pasterkamp**, The Netherlands  
**Louis P. Perrault**, Canada  
**Cristina Pislaru**, USA  
**Sorin Pislaru**, USA  
**Mariavittoria H. Pitzalis**, USA  
**Kailash Prasad**, Canada  
**Kirkwood A. Pritchard**, USA  
**Maria Prokudina**, Russia  
**Karin Przyklenk**, USA  
**Aniket Puri**, India  
**Jamal S. Rana**, USA  
**Anis Jr. Rassi Jr**, Brazil  
**James A. Reiffel**, USA  
**Muredach P. Reilly**, USA  
**Xiushui (Mike) Ren**, USA  
**William C. Roberts**, USA  
**Joe L. Rod**, USA  
**Marcos A. Rossi**, Brazil  
**Arie Roth**, Israel  
**Israel Rubinstein**, USA  
**Marc Ruel**, Canada  
**Carlos E. Ruiz**, USA  
**Cyril Ruwende**, USA  
**Hani N. Sabbah**, USA  
**Frederic Sacher**, France  
**Masood Sadiq**, Pakistan  
**Flora Sam**, USA  
**George Sandor**, Canada  
**Hiroshi Sato**, Japan  
**Naveed Sattar**, UK  
**Tatsuya Sawamura**, Japan  
**Anita Saxena**, India  
**Tiziano M. Scarabelli**, USA  
**Andreas Schaefer**, Germany  
**Samuel Sears**, USA  
**Yoshihiko Seino**, Japan  
**Frank W. Sellke**, USA  
**Howard D. Sesso**, USA  
**Robert S. Sheldon**, Canada  
**Guo-Ping Shi**, USA  
**Jamshid Shirani**, USA  
**Avraham Shotan**, Israel  
**Maria Siebes**, The Netherlands  
**Horst Sievert**, Germany  
**Alain Simon**, France  
**Pawan K. Singal**, Canada  
**Dinender K. Singla**, USA  
**Jane Somerville**, UK  
**Yiqing Song**, USA  
**Francis G. Spinale**, USA  
**Ralph Stewart**, New Zealand  
**Martin Stockburger**, Germany  
**George A. Stouffer**, USA  
**Phyllis G. Supino**, USA  
**Csaba Szabo**, USA  
**Masahiko Takagi**, Japan  
**Masafumi Takahashi**, Japan  
**Akira Tamura**, Japan  
**W. H. Wilson Tang**, USA  
**Laszlo B. Tanko**, Denmark  
**Paramjit S. Tappia**, Canada  
**Udho Thadani**, USA  
**Bernard Thibault**, Canada  
**Takanobu Tomaru**, Japan  
**Dimitris Tousoulis**, Greece  
**Ronald J. A. Trent**, Australia  
**Yasunori Ueda**, Japan  
**Barry F. Uretsky**, USA  
**George W. Vetrovec**, USA  
**Lu Wang**, USA  
**Jou-Kou Wang**, Taiwan-R.O.C.  
**Sven Wassmann**, Canada  
**Harvey White**, New Zealand  
**Mark A. Wood**, USA  
**Qingbo Xu**, UK  
**Mitsuhiro Yokota**, Japan  
**Xi-Yong Yu**, China  
**Doron Zahger**, Israel  
**Xi-Long Zheng**, Canada  
**Irving H. Zucker**, USA

## ACKNOWLEDGEMENTS

We would like to offer very special thanks to the following companies and organizations for their generous unrestricted educational grants. Their financial support has helped make this congress possible.

### **Boston Scientific Corporation**

### **Medtronic, Inc.**



*Tourism Vancouver / John Sinal*

The International Academy of Cardiology expresses its sincere thanks to the following individuals:

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, and to our dedicated staff who helped bring this meeting to reality:

**Steve Adler**  
**Corinna Ben-Ami**  
**Dror Ben-Tzvi**  
**Karen H. Burstein**  
**Cirina Catania**  
**Anat Efrat**  
**Orly Halevy**  
**Oren Hirschenzone**  
**Bob Kazmer**  
**Eyal Y. Kimchi, M.D., PhD.**  
**Eitan Z. Kimchi, M.D.**

**Rebeca Kimchi**  
**Vicky Klug**  
**Karyn Nahari**  
**Einat Peled**  
**Mike Perchig**  
**Kelsey L. Pomykala**  
**Stacey Stauber**  
**Gail Tito**  
**Elizabeth Rose Tria**  
**Cheryl M. Yashar**

## GENERAL INFORMATION

---

### VENUE AND HEADQUARTERS HOTEL

The Hyatt Regency Vancouver is the venue and headquarters hotel of the International Academy of Cardiology  
16th World Congress on Heart Disease  
Annual Scientific Sessions 2011  
Hotel Address:  
655 Burrard Street, Vancouver, BC, V6C 2R7, Canada  
Tel: +1 604 683 1234; Fax: +1 604 689 3707

### LANGUAGE

The official language of the Congress is English.

### REGISTRATION DESK

The Registration Desk will operate as follows:

Saturday, July 23, 2011	16:00 - 20:00 hours
Sunday, July 24, 2011	08:00 - 18:00 hours
Monday, July 25, 2011	08:00 - 18:00 hours
Tuesday, July 26, 2011	08:00 - 14:00 hours

### PROJECTION EQUIPMENT

If using a Powerpoint (or any other computer) presentation, please note you need to provide the presentation on a CD, DVD or memory stick (using the USB port in the computer ) and load it onto one of the congress' computers in the Speakers 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 Speakers Ready Room.

Please note that the congress' computers in the session halls are supplied with Office 2007.

#### Important note for Macintosh users:

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

**Please note** that VHS video projection, 35 mm' slide projection and overhead projection will not be available.



## GENERAL INFORMATION (cont'd)

---

### POSTER PRESENTATIONS

Please see the program for the exact date of your poster presentation. Presenters must put up their posters from 07:45 if presenting in the morning session on the relevant day of their presentation and remove them by 13:00. If presenting in the afternoon session, posters should be put up by 13:30 and dismantled by 18:30 on the same day.

#### PLEASE NOTE:

The Congress Organizers are not responsible for posters that have not been removed / collected by the end of designated sessions.

Please make yourself available next to your poster during coffee and lunch breaks to answer possible questions.

### EXHIBITION

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

Saturday, July 23, 2011	18:30 - 20:00 hours
Sunday, July 24, 2011	10:00 - 17:00 hours
Monday, July 25, 2011	10:00 - 17:00 hours
Tuesday, July 26, 2011	10:00 - 13:00 hours

### ATTENDANCE CERTIFICATES

An attendance certificate will be provided upon request for participants who need proof of attendance for income tax or other purposes.

### GET-TOGETHER RECEPTION

Registered participants are invited to the Get-Together Reception, which will take place in the Regency C Ballroom of the Hyatt Regency Vancouver on Saturday, July 23 between 18:30 – 20:00 hours.

### FAREWELL DINNER (Optional)

The Farewell Dinner will take place on Monday, July 25, 2011 at 20:00. Tickets to the dinner are sold-out and no more tickets may be purchased.

## GENERAL INFORMATION (cont'd)

---

### 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 16th World Congress on Heart Disease. Participants should make their own arrangements with respect to health and travel insurance.

### CONGRESS SECRETARIAT

International Academy of Cardiology  
16th World Congress on Heart Disease  
Annual Scientific Sessions 2011  
PO Box 17659  
Beverly Hills, CA 90209, USA  
Tel: +1 310 657 8777; Fax: +1 310 659 4781  
E-mail: klimedco@ucla.edu  
Website: [www.CardiologyOnline.com](http://www.CardiologyOnline.com)

### ORGANIZERS

#### CARDIOLOGY ONLINE

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

#### TARGET CONFERENCES LTD.

PO Box 29041  
Tel Aviv, 61290, Israel  
Tel: +972 3 5175150  
Fax: +972 3 5175155  
E-mail: [target@targetconf.com](mailto:target@targetconf.com)  
Website: [www.target-conferences.com](http://www.target-conferences.com)





*Tourism Vancouver / John Sinal*

## SOCIAL PROGRAM

### SATURDAY, JULY 23, 2011

#### **GET -TOGETHER RECEPTION**

18:30 – 20:00

Get-Together Reception in the Regency C Ballroom of the Hyatt Regency Vancouver on Saturday, July 23 at 18:30 hours.

### MONDAY, JULY 25, 2011

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

20:00

The Farewell Dinner will take place on Monday, July 25, 2011 at 20:00. 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:

- ABCAM, INC  
1 Kendall Square  
Bldg 200, Suite 341  
Cambridge, MA 02139, USA  
Tel: +617 577 4272; Fax: +866 739 9884  
Email: daniela.hodgkins@abcam.com

Abcam is a leading supplier of high quality antibodies and reagents supported by the most comprehensive information available, including current publication references and customer reviews. Abcam provides fast delivery, superior customer service and scientific support for a catalog of more than 67,000 antibodies and reagents for all major areas of research. Please visit [www.abcam.com](http://www.abcam.com) to view the Abcam catalog.

- FINAPRES MEDICAL SYSTEMS  
Paasheuveweg 34  
Amsterdam 1105 BJ, The Netherlands  
Tel: +31 20 609 0974; Fax: +31 20 609 0677  
Email: joe.farnsworth@finapres.com

Developer and manufacturer of the world's leading non-invasive blood pressure (NIBP) monitors. In use world wide by renowned researchers and clinicians. Finapres' instrumentation is the recognized Gold Standard in NIBP, validated by more than 800 peer reviewed publications.

- HEART TEST LABORATORIES, INC.  
57/2 Colleyville Blvd. Suite 229  
Colleyville, TX, 76034, USA  
Tel: +817 307 4848; Fax: +817 796 2075  
Email: tessjackovich@hearttestlabs.com

Heart Test Laboratories, Inc. (HTL), a US based company is a rapidly developing medical technology company concentrating on inventing life saving devices for the Coronary Arterial Disease (CAD) market. Heart Test Laboratories is in the final stages of releasing its new patent pending screening device, the Myovista, a portable, inexpensive, diagnostic test used to determine the presence and level of myocardial abnormalities.

- THORATEC CORPORATION  
6035 Stoneridge Drive  
Pleasanton, CA 94588, USA  
Tel: +925.730.4153; Fax: +925.847.8574  
Email: cory.ferreira@thoratec.com  
[www.thoratec.com](http://www.thoratec.com)

Thoratec Corporation is a world leader in therapies to address advanced-stage heart failure. The company's products include the HeartMate® LVAS and Thoratec® VAD with more than 18,000 devices implanted in patients suffering from heart failure.

## LIST OF EXHIBITORS (cont'd)

---

### ■ WEAVER AND COMPANY

565 Nucla Way, Unit B  
Aurora, CO, 80011, USA  
Tel: +303 366 1804; Fax: 303 367 5118  
Email: jhayes@doweaver.com

Weaver and Company is a recognized leader in providing electrode skin preparation and electroconductive media for use in specialty monitoring electrodes. Our product Nuprep® Gel is designed to serve as a mild abrasive for skin preparations before cardiadiagnostic testing. Ten20® Paste sets the standard in EEG Technology used with non-disposable EEG.

UNRESTRICTED EDUCATIONAL GRANTS WERE GENEROUSLY PROVIDED BY

### BOSTON SCIENTIFIC CORPORATION (non-exhibiting company)

Boston Scientific's strategy is to lead global markets for less-invasive medical devices by developing and marketing innovative products, services and therapies that address unmet patient needs, provide superior clinical outcomes and demonstrate proven economic value.

### MEDTRONIC (non-exhibiting company)

Medtronic is the global leader in medical technology – alleviating pain, restoring health, and extending life for people with chronic conditions around the world. Medtronic develops and manufactures a wide range of products and therapies with emphasis on providing a complete continuum of care to diagnose, prevent and monitor chronic conditions. Each year, Medtronic therapies help more than seven million people.





INTERNATIONAL ACADEMY OF CARDIOLOGY  
16th WORLD CONGRESS ON  
**HEART DISEASE**  
ANNUAL SCIENTIFIC SESSIONS 2011  

---

VANCOUVER, BC, CANADA, July 23-26, 2011

**SCIENTIFIC  
PROGRAM**

**Sunday, July 24, 2011**

S  
C  
I  
E  
N  
T  
I  
F  
I  
C  
P  
R  
O  
G  
R  
A  
M



## SUNDAY, JULY 24, 2011

---

09:00 – 09:35

Hall A

**OC: OPENING CEREMONY**

Chairperson: **John A. Eleftheriades**, New Haven, CT, USA

GREETINGS

**Asher Kimchi**, USA

Founder and Chairman

International Academy of Cardiology

**John A. Eleftheriades**, USA

Chairman, Scientific Executive Committee

Chairman, Section of Cardiovascular Surgery

International Academy of Cardiology

**Jeffrey S. Borer**, USA

Member, Scientific Executive Committee

Chairman, Section of Valvular Heart Disease

International Academy of Cardiology

**Naranjan S. Dhalla**, Canada

Member, Scientific Executive Committee

Chairman, Section of Molecular Cardiology

International Academy of Cardiology

**Gordon L. Fung**, USA

Member, Scientific Advisory Board

International Academy of Cardiology

**Kenneth Maiese**, USA

Member, Scientific Executive Committee

Chairman, Section of Vascular Biology

International Academy of Cardiology

PRESENTATION OF 2011 AWARDS

**John A. Eleftheriades**, USA

**Jeffrey S. Borer**, USA

---

09:35 – 10:15

Hall A

**OL: OPENING LECTURE – FIFTH H.J.C. SWAN MEMORIAL LECTURE**

Chairperson: **J.D. Marsh**, Little Rock, AR, USA

09:35 INTRODUCTION

**J.D. Marsh**, Little Rock, AR, USA

09:40 ANGIOGENESIS IN ATHEROSCLEROSIS: MECHANISM, ROLE AND THERAPEUTIC IMPLICATION (Invited Lecture)

197

**J.L. Mehta**, C.P. Hu, S. Mitra, M. Khaidakov, T. Sawamura, S. Ayyadevara, P. Mehta, Molecular Cardiology, University of Arkansas for Medical Sciences, Little Rock, AR, USA

10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

**PL:01 Plenary Session**

**APOPTOSIS, TISSUE REGENERATION AND CARDIAC REMODELLING IN HEART DISEASE**

Chairpersons: **N.S. Dhalla**, Winnipeg, MB, Canada  
**K. Maiese**, Newark, NJ, USA

Abstract No.

10:45	MECHANISMS OF GENDER DIFFERENCES IN CARDIAC REMODELING IN CONGESTIVE HEART FAILURE (Invited Lecture) <b>N.S. Dhalla</b> , St Boniface Hospital Research Centre, Winnipeg, MB, Canada	001
11:00	EXTENDING VASCULAR LONGEVITY THROUGH SIRTUIN MEDIATED SIGNALING (Invited Lecture) <b>K. Maiese</b> , University of Medicine & Dentistry of New Jersey, New Jersey Medical School, Newark, NJ, USA	002
11:15	GETTING THERE IS HALF THE FUN: CYTOKINE MODULATION OF CARDIAC FIBROBLAST MIGRATION (Invited Lecture) <b>C.S. Long</b> , University of Colorado and Denver Health Medical Center, Denver, CO, USA	003
11:30	NOVEL ALTERNATIVE SPLICING OF DEATH GENE BNIP3 PROMOTES CELL SURVIVAL OF POST-NATAL VENTRICULAR MYOCYTES (Invited Lecture) <b>L.A. Kirshenbaum</b> , Research Development Institute of Cardiovascular Sciences St. Boniface General Hospital Research Centre, Winnipeg, MB, Canada	004
11:45	OCCURRENCE OF AUTOPHAGY AND BRIDGING OF THE AUTOPHAGIC PROCESS TO APOPTOTIC AND NECROTIC CELL DEATH IN THE HUMAN HEART WITH END-STAGE HEART FAILURE (Invited Lecture) <b>T.M. Scarabelli</b> , FTA of Internal Medicine and Pharmacology Wayne State University School of Medicine, Detroit, MI, USA	005
12:00	INDUCED PLURIPOTENT STEM CELLS IN CARDIAC REGENERATION (Invited Lecture) <b>D.K. Singla</b> , University of Central Florida, Orlando, FL, USA	006
12:15	ROLE OF CARDIOMYOCYTE APOPTOSIS IN THE PATHOGENESIS OF CARDIAC REMODELING (Invited Lecture) <b>S. Hikoso</b> , Osaka University Graduate School of Medicine, Suita, Japan	007
12:30	CANDESARTAN ATTENUATES AGING-INDUCED INCREASE IN MATRICELLULAR PROTEINS AND MATRIX PROTEASES AND LIMITS REMODELING DURING HEALING AFTER REPERFUSED MYOCARDIAL INFARCTION <b>B.I. Jugdutt</b> , A. Palaniyappan, H. Idikio University of Alberta, Edmonton, Alberta, Canada	008
12:45	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	



**PL:02 Plenary Session**  
**HEART FAILURE: MANAGEMENT, THERAPY, OUTCOMES**

Chairpersons: **J.S. Borer**, New York, NY, USA  
**F. Follath**, Zürich, Switzerland

Abstract No.

10:45	HARNESSING TECHNOLOGY FOR PATIENT MANAGEMENT OF CARDIOVASCULAR DISEASES (Invited Lecture) <b>S.A. Lear</b> , Providence Health Care Simon Fraser University Harbour Centre Campus, Vancouver, BC, Canada	009
11:00	CLINICAL PRESENTATION, MANAGEMENT AND OUTCOMES IN THE ACUTE HEART FAILURE GLOBAL SURVEY OF STANDARD TREATMENT (ALARM-HF) (Invited Lecture) <b>F. Follath</b> , M.B. Yilmaz, J.F. Delgado, J.T. Parisis, A. Mebazaa, E. Porcher, University Hospital, Zürich, Switzerland	010
11:15	HEART RATE REDUCTION IN HEART FAILURE: THE LESSONS OF IVABRADINE IN SHIFT (Invited Lecture) <b>J.S. Borer</b> , SUNY Downstate Medical Center and College of Medicine, Brooklyn and New York, NY, USA	011
11:30	MANAGEMENT OF ADVANCED HEART FAILURE IN THE COMMUNITY (Invited Lecture) <b>M.H. Pitzalis</b> , The Brody School of Medicine at ECU East Carolina Heart Institute, Greenville, NC, USA	012
11:45	REGENERATIVE POTENTIAL OF PICSO IN HEART FAILURE PATIENTS: THE ATOS TRIAL (Invited Lecture) <b>W. Mohl</b> , C. Khazen, P. Wadowski, A. Jusic, D. Milasinovic, A. Mujagic, B. Birkenberg, M. Andreas, Medizinische Universität Wien, Austria	013
12:00	DIRECTED APPROACH TO THE THERAPY OF PULMONARY ARTERIAL HYPERTENSION (Invited Lecture) <b>R.C. Bourge</b> , UAB Division of Cardiovascular Disease, Birmingham, AL, USA	014
12:15	VENTRICULAR ASSIST DEVICE RELATED INFECTIONS INCREASE ONE-YEAR MORTALITY (Invited Lecture) <b>S.V. Pamboukian</b> , University of Alabama at Birmingham, AL, USA	015
12:30	AMINO TERMINAL PRO BRAIN NATRIURETIC PEPTIDE SERUM VALUES IN THE DIFFERENTIAL DIAGNOSIS AND CLASSIFICATION OF DYSPNEA PATIENTS WITH PULMONARY HYPERTENSION: IS IT THE TIME TO CONTROL THE NECESSITY OF THE CURRENT SPECIFIC PHARMACOLOGIC OVERTREATMENT? (Invited Lecture) I.N. Angomachalelis, G.O. Kyriazis, D.A. Tsavlis, S.M. Tryfon, D.E. Bournos, <b>N.I. Angomachalelis</b> , Aristotle University of Thessaloniki, School of Medicine, Thessaloniki, Macedonia, Greece	016
12:45	CARDIORENAL SYNDROME: AN UPDATE FOR 2011 (Invited Lecture) <b>A. Kazory</b> , University of Florida, Gainesville, FL, USA	017
13:00	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

S21

Session

**METABOLIC SYNDROME, TYPE II DIABETES AND ATHEROSCLEROSIS**

Chairpersons: **P. Holvoet**, Leuven, Belgium  
**M.R. Johnson**, Madison, WI, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 10:45 | <p>CALPASTATIN OVER-EXPRESSION REDUCES FIBROSIS IN DIABETIC CARDIOMYOPATHY IN A TYPE II MURINE MODEL<br/> <b>M. Singh</b>, Y. Li, S. Chakrabarti, T. Peng<br/>                 University of Western Ontario, London, ON, Canada and Lawson Health Research Institute, London, Ontario, Canada</p>   | 018 |
| 11:00 | <p>EFFECT OF WEIGHT LOSS ON VARIOUS CARDIOVASCULAR RISK FACTORS (HYPERTENSION, GLYCEMIC CONTROL, LIPID PROFILE, CRP AND HOMOCYSTEINE) IN OBESE SUBJECTS TREATED WITH BARIATRIC SURGERY<br/> <b>J.P.S. Sawhnay</b>, M.K. Sharma, B.K. Mishra, B.K.andpal, A. Makhija, B.S. Vivek, A. Mehta, R. Passey, S.C. Manchanda, A. Mohnaty<br/>                 Sir Ganga Ram Hospital, Delhi, India</p> | 019 |
| 11:15 | <p>DOES ELECTROCARDIOGRAPHY DEFINED SILENT MYOCARDIAL ISCHEMIA NEED FURTHER CARDIAC TESTS IN DIABETIC MEN AND WOMEN? A COHORT STUDY IN A MIDDLE EASTERN POPULATION<br/>                 F. Hadaegh, <b>R. Mohebi</b>, M. Hatami, M. Hashemini, F. Sheikholeslami, F. Azizi<br/>                 Shahid Beheshti University of Medical Science, Tehran, Iran</p>                                | 020 |
| 11:30 | <p>CIRCADIAN BLOOD PRESSURE PATTERN AND PREVALENCE OF NOCTURNAL HYPERTENSION IN SUBJECTS WITH AND WITHOUT DIABETES<br/>                 M.C. Castineiras, A. Moya, J. Perez-de-Lis, L. Pousa, J.L. Salgado, S. Hernaiz, A. Mojon, D.E. Ayala, <b>R.C. Hermida</b>, for the Hygia Project Investigators Bioengineering &amp; Chronobiology Labs., University of Vigo, Vigo, Spain</p>           | 021 |
| 11:45 | <p>EFFECTS OF DIABETES ON SMALL AORTIC ANEURYSMS IN SURVEILLANCE: SUBGROUP ANALYSIS FROM A RANDOMIZED TRIAL<br/> <b>P. De Rango</b>, P. Cao, F. Verzini, G. Parlani, E. Cieri, G. Simonte<br/>                 Vascular Endovascular Surgery, Hospital S.M. Misericordia, Italy</p>  | 022 |
| 12:00 | <p>DEPRESSION AND WAIST CIRCUMFERENCE INDEPENDENTLY PREDICT THE COSTS OF CARDIO-METABOLIC MEDICATIONS IN PATIENTS WITH TYPE 2 DIABETES MELLITUS<br/>                 D. Young, J. Hii, J. Furler, I. Blackberry, <b>D. Liew</b>, J.D. Best<br/>                 The University of Melbourne, Victoria, Australia</p>   | 023 |
| 12:15 | <p>TRIGLYCERIDES ARE AN INDEPENDENT PREDICTOR OF DIABETES IN SOUTH ASIAN FEMALES UNLIKE IN SOUTH ASIAN MALES IN THE UNITED STATES<br/>                 P. Manocha, <b>R.A. Nanjundappa</b>, D.J. Eapen, I. Kassas, Y.X. Liu, S. Koduru, A.M. Ahmed, S. Raddawi, L. Sperling, A.A. Quyyumi<br/>                 Dept. of Medicine, Emory University Hospital, Atlanta, GA, USA</p>              | 024 |

12:30	DERIVATION OF A DIABETES RISK SCORE AND VALIDATION OF EXISTING SCREENING TOOLS IN RURAL KERALA, INDIA <b>T. Sathish</b> , S. Kannan, P.S. Sarma, K.R. Thankappan Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST), Thiruvananthapuram, Kerala, India	025
12:45	GAMMA-GLUTAMYLTRANSFERASE (GGT) AND CARDIOVASCULAR RISK IN REFERRED HYPERTENSIVE PATIENTS G. Dell'omo, R. Pedrinelli, <b>M. Mariani</b> National Institute for Cardiovascular Research, University of Bologna, Italy	026
13:00	THE ASSOCIATION BETWEEN VENTRICULAR ARRHYTHMOGENEITY AND CARDIAC AUTONOMIC NEUROPATHY IN SUBJECTS WITH TYPE 2 DIABETES MELLITUS ASSESSED BY NEW ECG MARKERS C. Voulgari, <b>I. Moysakakis</b> , D. Kyriaki, N. Katsilambros, N. Tentolouris Athens University Medical School, Athens, Greece	027
13:15	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

10:45 – 13:00

Hall D

S22

Session

**PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY/CONGENITAL HEART DISEASE**

Chairpersons: **N.E. Bowles**, Salt Lake City, UT, USA

**A.T. Yetman**, Salt Lake City, UT, USA

10:45	PREVALENCE AND IMPACT OF ANEMIA ON OUTCOMES OF SURGICALLY TREATED INFANTS WITH AV CANAL OR VENTRICULAR SEPTAL DEFECTS <b>Z. Khan</b> , G. Natarajan, S. Sallaam, I. Bondarenko, R.E. Delius, H.L. Walters, S. Aggarwal, Children's Hospital of Michigan, Detroit, MI, USA	028
11:00	LIVER DYSFUNCTION AND CARDIAC FUNCTION IN THE EARLY TERM AFTER FONTAN OPERATION <b>T. Oka</b> , R. Kato, K. Toiyama, S. Ozawa, T. Itoi, M. Yamagishi, K. Hamaoka Kyoto Prefectural University of Medicine, Kyoto, Japan	029
11:15	LONG-TERM OUTCOME OF CONGENITAL SINUS OF VALSALVA ANEURYSMS: A 25-YEAR EXPERIENCE S. Sarikaya, A. Elibol, H. Sacli, O. Kocamaz, M. Dedemoglu, M. Akbulut, A. Arslan, M. Balkanay, M. Alp, <b>K. Kirali</b> , Kartal Kosuyolu YIEA Hospital, Istanbul, Turkey	030
11:30	SURVIVAL IN PATIENTS WITH CLASSIC HYPOPLASTIC LEFT HEART SYNDROME VS. DOUBLE OUTLET RIGHT VENTRICLE VARIANTS <b>G.K. Gallardo</b> , R.T. Fedderly, M. Krolkowski, J.S. Tweddell Medical College of Wisconsin, Milwaukee, WI, USA	031
11:45	COMPLETE HEART BLOCK IN CHILDREN AND ADOLESCENTS – SEQUENTIAL PACING ADDS RELEVANT TO CARDIAC OUTPUT <b>C. Pees</b> , J. Hauser, I. Michel-Behnke Pediatric Heart Center, University Hospital of Vienna, Austria	032

## SUNDAY, JULY 24, 2011

Abstract No.

- 12:00 MORPHOLOGY OF PATENT DUCTUS ARTERIOSUS; A PREDICTOR OF THE OUTCOME OF STENTING IN DUCT-DEPENDENT PULMONARY CIRCULATION AN EXPERIENCE IN CHILDREN HOSPITAL, CAIRO UNIVERSITY, EGYPT **033**  
**H.M. Agha**, H. Hamza, A. Esmat, Y. Hussein  
Faculty of Medicine, Cairo University, Cairo, Egypt
- 12:15 TRANSCATHETER DEVICE CLOSURE OF VENTRICULAR SEPTAL DEFECT: A META-ANALYSIS **034**  
**S.C. Quek**, L.W. Khin, B.C. Tai, W. Yip, National University of Singapore, Singapore
- 12:30 ECHOCARDIOGRAPHIC MYOCARDIAL PERFORMANCE (TEI INDEX) ASSESSMENT OF RIGHT VENTRICLE IN HEALTHY NEWBORNS **035**  
**S.S. Sheta**, H. Agha, F.E.A. Udink ten Cate, Cairo University  
Children Hospital, Faculty of Medicine, Cairo, Egypt
- 12:45 ANTI-TACHYCARDIA PACEMAKERS IN CONGENITAL HEART DISEASE **036**  
**A.N. Kamp**, M.J. LaPage, G. Serwer, M. Dick, D.J. Bradley  
University of Michigan, Ann Arbor, MI, USA
- 13:00 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

---

**08:00 – 13:00**

**Poster Hall**

---

### **P101 VASCULAR BIOLOGY, BASIC RESEARCH I**

Board No

- 1 IN VITRO HEMORHEOLOGICAL EFFECTS OF RED WINE, ALCOHOL FREE RED WINE EXTRACT AND ALCOHOL **037**  
**A. Toth**, M. Rabai, P. Kenyeres, H.J. Meiselman, K. Toth  
Medical School, University of Pecs, Hungary
- 2 EXPRESSION INCREASE OF TRANSCRIPTION FACTORS KLF4 IN DIFFERENTIATED ENDOTHELIAL PROGENITOR CELLS **038**  
**D. Hongmei**, H. Lan, D. Meng, S. Ming  
Institute of Cardiovascular Disease, XinQiao Hospital,  
Third Military Medical University, ChongQing, China

### **P102 BIOCHEMICAL MARKERS FOR RISK ASSESSMENT IN CARDIOVASCULAR DISEASE**

- 3 ENDOGENOUS GRANULOCYTE COLONY-STIMULATING FACTOR: A BIOMARKER IN ACUTE ISCHEMIC STROKE **039**  
**C.L. Kuo**, S.C. Yu, C.S. Huang, C.S. Chang, C.S. Liu  
Vascular & Genomic Center, Changhua Christian Hospital, Taiwan
- 4 ANTIPHOSPHATIDYL SERINE ANTIBODIES ARE INDEPENDENTLY ASSOCIATED WITH PREMATURE CORONARY EVENTS **040**  
**H.Y. Ali**, Z.A. Abdullah  
Technical & Health Institute-Zakho, College of Medicine,  
University of Mosul, Iraq

## SUNDAY, JULY 24, 2011

### P103 NOVEL DIAGNOSTIC METHODS AND IMAGING TECHNIQUES I

Board No		Abstract No.
5	<p>MICROVASCULAR RESISTANCE INDEX IMMEDIATELY AFTER PERCUTANEOUS CORONARY INTERVENTION PREDICTS THE PRESENCE OF MICROVASCULAR OBSTRUCTION IN PATIENTS WITH ST-ELEVATION ACUTE MYOCARDIAL INFARCTION ACHIEVING TIMI FLOW GRADE 3 REPERFUSION</p> <p><b>T. Masuno</b>, H. Kitabata, K. Komukai, T. Tanimoto, Y. Ino, K. Hirata, K. Kimura, M. Mizukoshi, T. Imanishi, T. Akasaka Wakayama Medical University, Wakayama, Japan</p>	041
6	<p>INDEX OF MICROCIRCULATORY RESISTANCE AS PREDICTOR FOR MICROVASCULAR FUNCTIONAL RECOVERY IN PATIENTS WITH ANTERIOR MYOCARDIAL INFARCTION: COMPARISON BETWEEN INTRACORONARY WEDGE PRESSURE, ECHOCARDIOGRAPHY AND CARDIAC MAGNETIC RESONANCE IMAGING</p> <p><b>J.H. Koh</b>, S.H. Rheu, S.K. Lim Kwandong University, Goyang, South Korea</p>	042
7	<p>THE CAROTID INTIMA-MEDIA THICKNESS IS A USEFUL PREDICTOR FOR CARDIOVASCULAR EVENTS IN PATIENTS WITH METABOLIC SYNDROME</p> <p><b>J.H. Koh</b>, S.H. Yoo, Kwandong University, Goyang-Si, South Korea</p>	043
8	<p>2-VIEW QUANTITATIVE CORONARY ANGIOGRAPHY (QCA) IN MODERATE LESIONS PREDICTS SEVERE OBSTRUCTION BY CORONARY ULTRASOUND</p> <p><b>C.L. Laham</b>, M.S. Chandra, M.J. McMahon, R. Venzon, M. Jerin, N.W. Shammass, St. Lukes Hospital, Cedar Rapids, IA, USA</p>	044
9	<p>EVALUATION OF RIGHT VENTRICULAR DEFORMATION IN PATIENTS WITH COPD AND METABOLIC SYNDROME</p> <p><b>S. Stanciu</b>, S. Dumitrescu, C. Cohen, G. Roul, M.A. Bogdan Central Military Hospital, Bucharest, Romania</p>	045
10	<p>FEASIBILITY AND SAFETY OF TRANSRADIAL APPROACH IN A FELLOWSHIP TRAINING PROGRAM</p> <p>W.I. Khalife, Q. Cai, <b>V.K. Mukku</b>, S.A. Gilani University of Texas Medical Branch, Galveston, TX, USA</p>	046
11	<p>CLASSIFICATION AND DIAGNOSTIC IMAGING METHODS OF VASCULAR ACCESS COMPLICATION BY CLOSURE DEVICE</p> <p><b>M. Alipour</b>, D. Masri, A. Mofazzali, N. Alipour Hoag Hospital, Vascular Lab, Newport Beach, CA, USA</p>	047
12	<p>CARDIOVASCULAR SCREENING USING EXERCISE STRESS ECHOCARDIOGRAPHY IN OBESE PATIENTS UNDERGOING BARIATRIC SURGERY</p> <p><b>W.M. Tarhuni</b>, S. Khan, G. Shamim, M.S. Lubanski University of Saskatchewan, Saskatoon, Saskatchewan, Windsor Cardiac Centre, Windsor, ON, Canada</p>	048
13	<p>DISTAL COMMON CAROTID ARTERY INTIMA-MEDIA THICKNESS IN PATIENTS UNDERGOING CORONARY ARTERY BYPASS GRAFT SURGERY</p> <p><b>M. Alipour</b>, D. Masri, A. Mofazzali, N. Alipour Hoag Hospital, Vascular Lab, Newport Beach, CA, USA</p>	049

## SUNDAY, JULY 24, 2011

Board No		Abstract No.
14	ANGIOGRAPHIC ASPECTS OF IMPLANTATION OF STEM CELLS IN ISCHEMIC HEART DISEASES <b>A. Barotov</b> , T. Gulmuradov, A. Gailbov, B. Karimzade, M. Khidirov, S. Muminjonov, A. Didory, J. Irgasheva, E. Rizojev, M. Mirshahi Republican Scientific Center of Cardio-vascular Surgery, Dushanbe, Tajikistan	050
<b>P205</b>	<b>THE PLAQUE AND ACUTE CORONARY SYNDROMES</b>	
15	INTRACORONARY THROMBUS AGE AND HOSPITAL OUTCOME OF PATIENTS WITH ACUTE CORONARY SYNDROME WITH ST SEGMENT ELEVATION F. Bosa Ojeda, G. Yanes Bowden, A. Sanchez-Grande Flecha, M.J. Vargas Torres, <b>C. Hernandez Garcia</b> , J.J. Ferrer Hita, A. Rodriguez Gonzalez, M.D. Ravina Cabrera, R.A. Juarez Prera, C. Enjuanes Grau Hospital Universitario de Canarias, Santa Cruz de Tenerife, Spain	051
16	NEOPTERIN, MYELOPEROXIDASE AND C-REACTIVE PROTEIN LEVELS IN ACS PATIENTS <b>M. Adamczyk</b> , R.J. Brashear, S.C. Hsu, P.G. Mattingly Abbott Laboratories, Abbott Park, IL, USA	052
17	EFFECTS OF DYSLIPIDEMIA ON PLAQUE CHARACTERISTICS IN CULPRIT LESIONS OF ACUTE CORONARY SYNDROME K. Otagiri, <b>H. Hioki</b> , S. Kumazaki, Y. Miyashita, S. Asoh, H. Kasai, A. Izawa, T. Tomita, J. Koyama, U. Ikeda Shinshu University, Matsumoto, Japan	053
18	DIRECT RENIN INHIBITOR ALISKIREN IN ACUTE PHASE OF THE LEFT VENTRICULAR MYOCARDIAL INFARCTION: SAFETY AND EFFICIENCY H.G. Hayrapetyan, <b>F.H. Muradyan</b> , MC Ereboundi, Yerevan, Armenia	054
<b>P503</b>	<b>ACUTE MYOCARDIAL INFARCTION / REPERFUSION THERAPY</b>	
19	TIMING OF INTERVENTION IMPACTS ON ONE-YEAR OUTCOMES IN NON-ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION B.W. Kim, <b>K.S. Cha</b> , J.H. Cho, H.W. Lee, M.J. Yang, J.H. Oh, J.H. Choi, H.C. Lee, T.J. Hong, M.H. Jeong Pusan National University Hospital, Busan, Korea	055
20	ALPHA-1 ANTITRYPSIN PROTECTS MYOCARDIUM FROM REPERFUSION INJURY Z. El-Akawi, <b>S.Y. Khatib</b> Jordan University of Science and Technology, Irbid, Jordan	056
21	WEEKEND VERSUS WEEKDAYS HOSPITAL ADMISSION FOR CARDIOVASCULAR EVENTS: IS MORTALITY DIFFERENT? R. Salmi, D. Imberti, M. Gallerani, <b>R. Manfredini</b> Dept. of Internal Medicine, University of Ferrara, Italy	057

## SUNDAY, JULY 24, 2011

Board No		Abstract No.
22	TREATMENT MYOCARDIAL INFARCTION BY BONE MARROW AUTOLOGOUS STEM CELLS CD 133+ Z. Rakhimov, N. Olimov, <b>N. Navjuvonov</b> , M. Khidirov, S. Muminjonov, A. Didary, J. Irgasheva, A. Barotov, E. Rizojev, M. Mirshahi Republican Scientific Center of Cardiology, Dushanbe, Tajikistan	058
23	GENDER AND ADVANCE AGE DISPARITIES ON ACUTE MYOCARDIAL INFARCTION MANAGEMENT: THE PUERTO RICO HEART ATTACK STUDY <b>H.L. Banchs</b> , J.C. Zevallos, J. Yarzebski, J.A. Gonzalez, M. Garcia-Palmieri, L.R. Pericchi, P.I. Altieri, J. Quevedo, R.J. Goldberg University of Puerto Rico, Medical Sciences Campus, Puerto Rico	059
<b>P104</b>	<b>DIABETES MELLITUS, THE METABOLIC SYNDROME AND ATHEROSCLEROSIS: BASIC AND CLINICAL I</b>	
24	INFLUENCE OF NIGHTTIME BLOOD PRESSURE IN THE PREVALENCE OF MASKED HYPERTENSION IN DIABETES A. Moya, E. Sineiro, M.C. Castineiras, S.M. Gomara, A. Mojon, M.J. Fontao, S. Lorenzo, <b>D.E. Ayala</b> , R.C. Hermida, for the Hygia Project Investigators Bioengineering & Chronobiology Labs, University of Vigo, Vigo, Spain	060
25	EFFECTS OF FENOFIBRATE THERAPY ON CIRCULATING ADIPOCYTOKINES IN PATIENTS WITH PRIMARY HYPERTRYGLYCERIDEMIA <b>K.K. Koh</b> , M.J. Quon Gachon University Gil Medical Center, Incheon, Korea	061
26	THE RELATIONSHIP BETWEEN CARDIOVASCULAR RISK FACTORS-SECRETORY PHOSPHOLIPASE A2 (SPLA2)-ARTERIAL STIFFNESS IN METABOLIC SYNDROME (MS) PATIENTS <b>D.T. Zdrengha</b> , A.V. Sitar-Taut, A. Cozma, M. Cebanu, G. Bodisz, D. Pop Rehabilitation Hospital, University of Pharmacy and Medicine, Cluj-Capoca, Romania	062
27	A COMPARISON BETWEEN INSULIN RESISTANCE SCORES PARAMETERS IN IDENTIFYING METABOLIC SYNDROME (MS) PATIENTS <b>D. Pop</b> , A. Siat-Taut, M. Cebanu, O.M. Penciu, G. Bodisz, D.T. Zdrengha University of Pharmacy and Medicine Cluj-Napoca, Romania	063
28	DEPLETED LEUKOCYTE MITOCHONDRIAL DNA COPY NUMBER IN METABOLIC SYNDROME <b>C.S. Liu</b> , C.H. Huang, S.L. Su, W.L. Cheng, C.C. Chang, C.L. Kuo, T.T. Lin Changhua Christian Hospital, Changhua, Taiwan	064
29	PREDICTORS OF 90DAY MORTALITY IN DIABETIC PATIENTS WHO PRESENT WITH ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION <b>B.W. Liew</b> , V.H. Tan, P.P. Goh, C.H. Tan, J. Chow Changi General Hospital, Singapore	065
30	THE PREVALENCE OF METABOLIC SYNDROME IN ACUTE CORONARY SYNDROME PATIENTS WITHOUT A PREVIOUS DIAGNOSIS OF DIABETES <b>R.F. Al-Aqeedi</b> , A.A. Gehani, W.K. Abdulatif, W.K. Dabdoob, A. Bener, H.A. Albinali, Hamad Medical Corporation, Doha, Qatar	066

## SUNDAY, JULY 24, 2011

### P105 CARDIAC PACEMAKERS AND IMPLANTABLE CARADIOVERTER – DEFIBRILLATOR THERAPY

Board No		Abstract No.
31	<p>CHANGE IN PULMONARY ARTERY SYSTOLIC PRESSURE FOLLOWING CARDIAC RESYNCHRONIZATION THERAPY HELPS PREDICT FUTURE HOSPITAL ADMISSIONS FOR CONGESTIVE HEART FAILURE</p> <p><b>P.K. Yadav</b>, J.B. Skibba, J.E. Banchs, L.N. Linton-Frazier, E.D. Penny-Peterson, S.M. Samii, D.L. Wolbrette, M.D. Gonzalez, E.J. Lengerich, G.V. Naccarelli Penn State University, Milton S. Hershey Medical Center, Hershey, PA, USA</p>	067
32	<p>INAPPROPRIATE SHOCKS WITH IMPLANTABLE CARADIOVERTER-DEFIBRILLATOR FOR PRIMARY PREVENTION OF SUDDEN CARDIAC DEATH</p> <p><b>P. Menaria</b>, K. Axtell, C. Kolibash, J. Sra, M. Akhtar, V. Nangia Aurora Sinai/Aurora St. Luke's Medical Centers, University of Wisconsin School of Medicine and Public Health, Milwaukee, WI, USA</p>	068
33	<p>TIME TO FIRST INTERVENTION: IS IT A MORTALITY PREDICTOR IN ICD FOR PRIMARY PREVENTION OF SUDDEN CARDIAC DEATH?</p> <p><b>P. Menaria</b>, K. Axtell, C. Kolibash, N. Mori, J. Sra, M. Akhtar, V. Nangia Aurora Sinai/Aurora St. Luke's Medical Centers, University of Wisconsin School of Medicine and Public Health, Milwaukee, WI, USA</p>	069
34	<p>POLARIZATION POTENTIALS INHIBITING DETECTION OF VENTRICULAR FIBRILLATION</p> <p><b>P.C. Voukydis</b>, D.M. Farmer, K.E. Thomas Harvard Medical School, Cambridge, MA, USA</p>	070
35	<p>CLINICAL OUTCOMES OF ICD IMPLANTATION IN DISTRICT HOSPITAL SETTING: COMPARISON OF PRIMARY AND SECONDARY PREVENTION</p> <p>J.S. Shome, A. Tickle, B. Roomallah, A. Hailan, S. Green, L. Lovedale, <b>M. Asgari</b>, K. Kamalvand William Harvey Hospital, East Kent NHS Trust, Ashford, UK</p>	071
36	<p>PROGNOSTIC IMPACT ON MORTALITY OF MALIGNANT VENTRICULAR TACHYARRHYTHMIA WITHIN 48 HOURS OF ACUTE MYOCARDIAL INFARCTION IN THE SETTING OF INDIVIDUALLY OPTIMIZED THERAPY: THE CAMI MULTICENTER REGISTRY</p> <p><b>K. Seidl</b>, T. Becker Klinikum Ingolstadt, Med. Klinik IV, Ingolstadt, Germany</p>	072
37	<p>SELECTIVE SEROTONIN REUPTAKE INHIBITOR SAFETY IN PATIENTS WITH IMPLANTABLE CARADIOVERTER-DEFIBRILLATORS</p> <p>A. Kundra, A. Elkharbotly, <b>M. Fatima</b>, M. Torosoff Albany Medical Center, Albany, NY, USA</p>	073
38	<p>THE POTENTIAL USE OF ATRIAL ELECTROGRAM MORPHOLOGY AS A SUPRAVENTRICULAR TACHYCARDIA DISCRIMINATOR</p> <p>J. Kim, W. Sauer, <b>S. Desai</b>, M. Magday, E. Altman, R. Jadonath, S. Beldner North Shore University Hospital, Manhasset, NY, USA</p>	074
39	<p>CORONARY SINUS PACING AS AN ALTERNATIVE TO RV PACING IN A PATIENT WITH PERSISTENT LEFT SVC AND ABSENT RIGHT SVC</p> <p><b>G. Baljepally</b>, R. Baljepally, J. Hirsh University of Tennessee Medical Center, Knoxville, TX, USA</p>	075



**PL:03 Plenary Session**  
**NEW MANAGEMENT STRATEGIES FOR CARDIAC ARRHYTHMIAS**

Chairpersons: **S.M. Al-Khatib**, Durham, NC, USA  
**J.R. Gimbel**, Knoxville, TN, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 14:00 | TOWARD MORE OPTIMAL USE OF PRIMARY PREVENTION IMPLANTABLE CARDIOVERTER DEFIBRILLATORS (Invited Lecture)<br><b>S.M. Al-Khatib</b> , Duke Clinical Research Institute, Durham, NC, USA   | 076 |
| 14:15 | PACING IN THE MAGNETIC RESONANCE IMAGING ENVIRONMENT: CLINICAL AND TECHNICAL CONSIDERATIONS ON COMPATIBILITY (Invited Lecture)<br><b>F. Duru</b> , University Hospital of Zurich, Switzerland  | 077 |
| 14:30 | ABSENCE OF REMODELING BENEFIT OF LV-CRT OVER BIV-CRT IN PATIENTS WITH HEART FAILURE AND WIDE QRS: INSIGHT FROM THE EVALUATION OF RESYNCHRONIZATION THERAPY FOR HEART FAILURE (EARTH) TRIAL (Invited Lecture)<br><b>A. Ducharme</b> , H. Prylutska, F. Harel, E. O’Meara, J. Lavoie, M. White, B. Thibault, Institut de Cardiologie de Montreal, Quebec, Canada | 078 |
| 14:45 | MODIFIED ALTERNATING CURRENT DEFIBRILLATION - A NEW HOME-DEFIBRILLATION TECHNIQUE FOR SUDDEN DEATH (Invited Lecture)<br><b>A.T. Weiss</b> , I. Katz, S. Gorni, S. Rosenheck<br>Hadassah University Hospital, Jerusalem, Israel   | 079 |
| 15:00 | SHOULD ICD TESTING BE PERFORMED AT IMPLANT? (Invited Lecture)<br><b>A. Fischer</b> , Mount Sinai Medical Center, New York, NY, USA   | 080 |
| 15:15 | CONDUCTION DELAY IN THE RIGHT VENTRICLE AS A MARKER FOR RISK STRATIFICATION IN BRUGADA SYNDROME (Invited Lecture)<br><b>M. Takagi</b> , Osaka City University Graduate School of Medicine, Osaka, Japan  | 081 |
| 15:30 | UPDATE ON MRI COMPATIBLE PACING: WHO IS IT RIGHT FOR, AND WHO’S LEFT OUT? (Invited Lecture)<br><b>J.R. Gimbel</b> , Parkwest Hospital, Knoxville, TN, USA  | 082 |
| 15:45 | IS ELECTROPHYSIOLOGIC STUDY MANDATORY TO INDICATE PERMANENT PACING FOR PATIENTS WITH SYNCOPE, BIFASCICULAR BLOCK AND NO SIGNIFICATIVE STRUCTURAL HEART DISEASE? (Invited Lecture)<br><b>M. Álvarez</b> , Hospital Universitario Virgen de las Nieves, Granada, Spain   | 083 |
| 16:00 | REPOLARIZATION ALTERNANS AND TORSADES DE POINTES IN THE ABSENCE OF ISCHEMIA: AN UNUSUAL PHENOMENON<br><b>M. Rahman</b> , A. Bhatia, R. Cooley, J. Sra, M. Akhtar, V. Nangia<br>Aurora Cardiovascular Services, Aurora Sinai/Aurora St. Luke’s Medical Centers, University of Wisconsin School of Medicine & Public Health, Milwaukee, WI, USA                  | 084 |
| 16:15 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |

**PL:04 Plenary Session**  
**ATHEROSCLEROSIS IMAGING IN PRIMARY DETECTION AND PREVENTION OF CORONARY EVENTS**

Chairpersons: **D.S. Berman**, Los Angeles, CA, USA  
**J.M. Gardin**, Hackensack, NJ, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 14:00 | DETECTION OF MYOCARDIAL VIABILITY: MYOCARDIAL CONTRAST ECHOCARDIOGRAPHY (Invited Lecture)<br><b>R. Senior</b> , Royal Brompton Hospital, London, UK   | 085 |
| 14:15 | CLINICAL ROLE OF ATHEROSCLEROSIS IMAGING IN PREDICTING CHD EVENTS (Invited Lecture)<br><b>D.S. Berman</b> , A. Rozanski<br>Cedars Sinai Medical Center, Los Angeles, CA, USA  | 086 |
| 14:30 | IMAGING SUBCLINICAL ATHEROSCLEROSIS (Invited Lecture)<br><b>J.M. Gardin</b> , Hackensack University Medical Center, Hackensack, NJ, USA   | 087 |
| 14:45 | IMAGING FOR PREVENTION: WHAT IS THE ROLE IN CARDIOVASCULAR RISK ASSESSMENT? (Invited Lecture)<br><b>N.D. Wong</b> , University of California, Irvine, CA, USA   | 088 |
| 15:00 | CORONARY ARTERY CALCIUM SCORING TO STRATIFY CHEST PAIN PATIENTS PRESENTING TO THE EMERGENCY DEPARTMENT (Invited Lecture)<br>F. Nabi, S.M. Chang, C.M. Pratt, J. Paraniham, L.E. Peterson, M.E. Frias,<br><b>J.J. Mahmarian</b> , Methodist DeBakey Heart & Vascular Center,<br>The Methodist Hospital, Houston, TX, USA | 089 |
| 15:15 | HYDROGEN SULFIDE, A GASEOUS BIOLOGICAL MEDIATOR WITH CARDIOPROTECTIVE EFFECTS (Invited Lecture)<br><b>C. Szabo</b> , University of Texas Medical Branch, Galveston, TX, USA   | 090 |
| 15:30 | PROGNOSTIC VALUE OF NEGATIVE ADENOSINE CARDIAC MAGNETIC RESONANCE MYOCARDIAL PERFUSION IMAGING IN PATIENTS WITH ACUTE CHEST PAIN<br>R.R. Macwar, G. Yost, A. Marwaha, J. Sartorius, <b>J. Shirani</b><br>Geisinger Medical Center, Danville, PA, USA  | 091 |
| 15:45 | PREVALENCE AND SIGNIFICANCE OF ELECTROCARDIOGRAPHIC CHANGES WITH REGADENOSON-BASED MYOCARDIAL PERFUSION IMAGING STRESS TESTS<br><b>M. Zahid</b> , C.E. Eagan, D.A. Yurko, E.D. Miller, C.D. Missendra<br>University of Pittsburgh, and ExcelaHealth System, Greensburg, PA, USA   | 092 |
| 16:00 | MYOCARDIAL PERFUSION IMAGING IN PRE-OPERATIVE RISK ASSESSMENT OF CANCER PATIENTS UNDERGOING NON-CARDIAC SURGERY<br><b>N. Sthalekar</b> , S. Chandra, A.T. Tong, S.W. Yusuf, W. Wei, D.J. Lenihan,<br>P. Diamond, C. Hanis, Sparrow Hospital, East Lansing, MI and Michigan State University, East Lansing, MI, USA      | 093 |
| 16:15 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION  |     |

<b>S23</b>	<b>Session</b> <b>NEW INSIGHTS INTO THE PATHOGENESIS AND TREATMENT OF CARDIOMYOPATHIES</b>	Abstract No.
	Chairpersons: <b>N.I. Angomachalelis</b> , Thessaloniki, Greece <b>S. Dalla-Volta</b> , Padova, Italy	
14:00	IN THE SETTING OF LVH WITH HYPERTROPHIC CARDIOMYOPATHY SHOULD WE EXPECT TO SEE RVH? A CARDIOVASCULAR MRI STUDY <b>R.W. Biederman</b> , S.B. Grant, J.A. Yamrozik, R.B. Williams, M. Doyle Allegheny General Hospital, Pittsburgh, PA, USA	094
14:15	THERAPEUTIC EFFECTS OF MAPK INHIBITORS ON DILATED CARDIOMYOPATHY IN LMNA N195K MICE <b>T. Tsubouchi</b> , S. Amina, G. Song, R.C. Balijepalli, T.A. Hacker, M.R. Wolff University of Wisconsin-Madison, Madison, WI, USA	095
14:30	DETERIORATED HEART FUNCTION AFTER MYOCARDIAL INFARCTION IN GHRELIN KNOCKOUT MICE <b>Y. Mao</b> , T. Tokudome, K. Otani, I. Kishimoto, K. Kangawa National Cerebral and Cardiovascular Center, Osaka, Japan	096
14:45	CORONARY ARTERY DISEASE AND TAKOTSUBO CARDIOMYOPATHY: CULPRIT OR INNOCENT BYSTANDER? <b>G.A. Delgado</b> , A.G. Truesdell, R.M. Kirchner, R.W. Zuzek, E.V. Pomerantsev, P.C. Gordon, R.A. Regnante, Warren Alpert Medical School of Brown University, Providence, RI, USA	097
15:00	ELECTROCARDIOGRAM IN THE ASSESSMENT OF LEFT ATRIAL ENLARGEMENT AND LEFT VENTRICULAR HYPERTROPHY: COMPARISON WITH TWO-DIMENSIONAL ECHOCARDIOGRAM AND CARDIAC MAGNETIC RESONANCE IMAGING <b>S. Kumar</b> , R.S. Marfatia, M. Rai, R. Feinn, E. Kaloudis, C. Yang, E. Avelar University of Connecticut Health Center, Farmington, CT, USA	098
15:15	VERAPAMIL AMELIORATES SEPTIC CARDIOMYOPATHY INDUCED BY CECAL LIGATION AND PUNCTURE IN MICE M.R.N. Celes, C.M. Prado, E.C. Campos, L.M. Malvestio, V. Blefari, F.Q. Cunha, H.B. Tanowitz, <b>M.A. Rossi</b> Faculty of Medicine of Ribeirao Preto, USP, Brazil	099
15:30	PATTERN AND SIGNIFICANCE OF DISTRIBUTION OF LEFT VENTRICULAR HYPERTROPHY IN HYPERTROPHIC CARDIOMYOPATHY: COMPARISON BETWEEN ECHOCARDIOGRAPHY AND CARDIAC MAGNETIC RESONANCE IMAGING <b>P.F. Pollice</b> , P.P. Pollice, B.L. Leclercq, Private Clinic, Andria, BT, Italy	100
15:45	SUPPRESSION OF LEFT VENTRICULAR HYPERTROPHY BY PHOSPHODIESTERASE - 5 INHIBITORS: THE ROLE OF CALCINEURIN AND P 38 MAPK <b>S.Y. Khatib</b> , A. Zeidan Department of Physiology, Faculty of Medicine, Jordan University of Science & Technology, Irbid, Jordan	101

## SUNDAY, JULY 24, 2011

		Abstract No.
16:00	CLINICAL AND ECHOCARDIOGRAPHIC PROFILE AND OUTCOMES OF PERIPARTUM CARDIOMYOPATHY: THE PGH EXPERIENCE <b>V.I. Samonte</b> , Q.G. Ngalob, G.D. Mata, F.B. Punzalan, E.B. Reyes UP-Philippine General Hospital, Manila, Philippines	102
16:15	RIGHT VENTRICULAR IMPAIRMENT IN PECTUS EXCAVATUM BY 2D-ECHOCARDIOGRAPHY: A RED HERRING? <b>R.L. Narayan</b> , P. Vaishnava, J. Sanz, V. Fuster The Zena and Michael A. Wiener Cardiovascular Institute, Mount Sinai School of Medicine, New York, NY, USA	103
16:30	LEFT ATRIAL PRESSURE IN LEFT VENTRICULAR DIASTOLIC DYSFUNCTION: IMPLICATIONS OF THE PRESENCE OF LEFT VENTRICULAR HYPERTROPHY <b>S. Kattel</b> , Y. Saito Catholic Health System, State University of New York, Buffalo, NY, USA	104
16:45	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	



*Tourism Vancouver-John Sinal*

S24

Session

**MOLECULAR CARDIOLOGY, BASIC RESEARCH**

Chairpersons: **D.K. Das**, Farmington, CT, USA  
**P.K. Singal**, Winnipeg, Manitoba, Canada

Abstract No.

- |       |  |     |
|-------|--|-----|
| 14:00 | ISCHEMIA-REPERFUSION INJURY IS A STRONGER TIME-DEPENDENT STIMULATOR OF CARDIAC PROGENITORS THAN PERMANENT MYOCARDIAL INFARCTION AND PREGNANCY<br><b>R. Genead</b> , H. Fischer, A. Hussain, M. Jaksch, A. Franco-Cereceda, E. Elsheikh, M. Corbascio, C.I.E. Smith, C. Sylven, K.H. Grinnemo<br>Karolinska Institutet, Stockholm, Sweden | 105 |
| 14:15 | INHIBITION OF MITOCHONDRIAL OXIDATIVE STRESS PREVENTS ANGIOTENSIN II MEDIATED ARRHYTHMIC DEATH<br>A.A. Sovari, S. Iravanian, L. Gu, D. Mitchell, E. Jeong, M.G. Bonini, <b>S.C. Dudley, Jr.</b><br>University of Illinois, Chicago, IL, Emory University, Atlanta, GA, USA   | 106 |
| 14:30 | PLASMIN-ACTIVATED DENDRITIC CELLS PRODUCE IL-12 AND PROMOTE A TYPE 1 RESPONSE IN T HELPER CELLS<br><b>T. Syrovets</b> , X. Li, F. Genze, T. Simmet<br>Ulm University Medical Center, Ulm, Germany  | 107 |
| 14:45 | SINGLE CHANNEL BEHAVIOUR OF I <sub>Ks</sub> AND LQT1 MUTATIONS IN THE S3 HELIX OF KCNQ1<br>D. Werry, Z. Wang, J. Eldstrom, N. Wong, <b>D. Fedida</b><br>University of British Columbia, Vancouver, BC, Canada  | 108 |
| 15:00 | SUBCELLULAR BASIS OF VITAMIN C PROTECTION AGAINST DOXORUBICIN INDUCED CHANGES IN CARDIOMYOCYTES<br><b>A. Ludke</b> , A.K. Sharma, A.K. Bagchi, A. Bajaj, P.K. Singal<br>Faculty of Medicine, University of Manitoba, Winnipeg, Canada  | 109 |
| 15:15 | REGULATION OF PTEN IN RESPONSE TO HYPOXIA<br>Y. Ye, J. Qian, A.C. Castillo, J.R. Pere-Polo, <b>Y. Birnbaum</b><br>University of Texas Medical Branch, TX, USA  | 110 |
| 15:30 | IS LATE ONSET OF CORONARY ARTERY DISEASE IN NORTH INDIANS ASSOCIATED WITH 3'APOB-VNTR POLYMORPHISM?<br><b>H. Rai</b> , N. Singh, S. Kumar, A. Kapoor, S. Agrawal, N. Sinha<br>Sanjay Gandhi PGIMS, Lucknow, UP, India  | 111 |
| 15:45 | LACK OF ASSOCIATION BETWEEN GLU298ASP POLYMORPHISM AND CORONARY ARTERY DISEASE IN NORTH INDIANS<br><b>H. Rai</b> , A. Kapoor, A.K. Sharma, S. Mastana, S. Agrawal, N. Sinha<br>Sanjay Gandhi PGIMS, Lucknow, India   | 112 |
| 16:00 | THE ROLE OF K <sup>+</sup> CHANNELS IN THE REGULATION OF EXCITABILITY AND CONTRACTILITY OF RAT PULMONARY AND MESENTERIC ARTERIES<br><b>M.M. Rahman</b> , M.I. Harhun, A.J. McNeish, V.S. Telezkin, S.V. Smirnov<br>University of Bath, Bath, UK  | 113 |
| 16:15 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |

**PL:05 Plenary Session**  
**GENES, GENETICS AND GENOMICS - FRIENDS AND FOES**

Chairpersons: **L.C. Becker**, Baltimore, MD, USA  
**K.N. Pandey**, New Orleans, LA, USA

Abstract No.

16:45	CLINICAL APPLICATION OF GENETIC AND MOLECULAR MEDICINE IN ACUTE CORONARY SYNDROME (Invited Lecture) <b>L.C. Becker</b> , Johns Hopkins University School of Medicine, Baltimore, MD, USA	114
17:00	NPR1 GENE PROVIDES THE PROTECTIVE MECHANISMS IN CARDIOVASCULAR EVENTS (Invited Lecture) <b>K.N. Pandey</b> , Tulane University School of Medicine, New Orleans, LA, USA	115
17:15	GENETICS OF CAD - WHERE DO WE STAND? (Invited Lecture) <b>M.P. Reilly</b> , University of Pennsylvania Medical Center, Philadelphia, PA, USA	116
17:30	ECONOMIC ANALYSIS OF THE FAILING HUMAN HEART (Invited Lecture) <b>J.L. Hall</b> , R. John, K. Liao, N. Turner, P. Barton, C. McTiernan, A. Mackey Heart Institute University of Minnesota, MN, USA	117
17:45	MICRORNA-1 INHIBITS MYOCARDIN-INDUCED CONTRACTILITY OF HUMAN VASCULAR SMOOTH MUSCLE CELLS (Invited Lecture) <b>X.L. Zheng</b> , The University of Calgary, Calgary, AB, Canada	118
18:00	FUTURE MEDICINE, SYSTEM BIOLOGY, AND MICROCIRCULATION (Invited Lecture) <b>M. Navab</b> , David Geffen School of Medicine at UCLA, Los Angeles, CA, USA	119
18:15	REGULATION OF THE INDEPENDENT CARDIOVASCULAR RISK FACTOR ADMA: LESSON FROM MULTIPLE DDAH1 GENE DEFICIENT MOUSE STRAINS (Invited Lecture) <b>Y. Chen</b> , University of Minnesota, Minneapolis, MN, USA	120
18:30	HYPOXIA-INDUCED INHIBITION OF ANGIOGENESIS - THE ROLE OF RGC-32 (Invited Lecture) <b>J. Li</b> , BIDMC/ Harvard Medical School, Boston, MA, USA	121
18:45	PI3K SIGNALING AND HEART DISEASE (Invited Lecture) <b>G.Y. Oudit</b> , University of Alberta, Edmonton, Canada	122
19:00	ROLE OF CCR5 GENE POLYMORPHISM IN CORONARY ARTERY DISEASE AMONG NORTH INDIANS <b>H. Rai</b> , N. Singh, S. Kumar, A. Kapoor, S. Agrawal, N. Sinha Sanjay Gandhi PGIMS, Lucknow, UP, India	123
19:15	IL-1 BETA -511 C/T POLYMORPHISM AS A RISK FACTOR FOR CORONARY ARTERY DISEASE IN NORTH INDIAN POPULATION <b>H. Rai</b> , S. Kumar, A. Kapoor, A.K. Sharma, S. Agrawal, N. Sinha Sanjay Gandhi PGIMS, Lucknow, UP, India	124

<b>PL:06</b>	<b>Plenary Session</b>	
<b>REVASCLARIZATION IN HIGH-RISK POPULATIONS / ENDOVASCULAR INTERVENTIONS</b>		
	Chairpersons: <b>U. Thadani</b> , Oklahoma City, OK, USA <b>G.W. Vetovec</b> , Richmond, VA, USA	Abstract No.
16:45	NEW TREATMENT OPTIONS FOR TREATING PATIENTS WITH STABLE ANGINA (Invited Lecture) <b>U. Thadani</b> , University of Oklahoma Health Sciences Center and VA Medical Center, Oklahoma City, OK, USA	125
17:00	ROBOTIC PCI: EARLY EXPERIENCE USING THE CORPATH, REMOTE DELIVERY SYSTEM (Invited Lecture) <b>G.W. Vetovec</b> , Virginia Commonwealth University, Richmond, VA, USA	126
17:15	CURRENT STATUS OF PERCUTANEOUS TREATMENT OF LEFT MAIN DISEASE (Invited Lecture) <b>B.F. Uretsky</b> , University of Arkansas for Medical Sciences, Little Rock, AR, USA	127
17:30	THE CREST STUDY: UNEXPECTED LESSONS ON STROKE PREVENTION AND LARGE CLINICAL TRIALS (Invited Lecture) <b>J.D. Marsh</b> , University of Arkansas for Medical Sciences, Little Rock, AR, USA	128
17:45	REMOVAL OF IODINE CONTRAST FROM CORONARY SINUS FOR PREVENTION OF CONTRAST INDUCED NEPHROPATHY (Invited Lecture) <b>M.R. Movahed</b> , University of Arizona Sarver Heart Center, AZ, USA	129
18:00	BLEEDING AND ISCHEMIA AFTER PCI - MORE CONNECTED THAN YOU THINK (Invited Lecture) <b>S.J. Brener</b> , Cardiac Catheterization Laboratory NY Methodist Hospital, Brooklyn, NY, USA	130
18:15	PROGNOSTIC IMPACT OF CTO IN PATIENTS WITH REFRACTORY ANGINA (Invited Lecture) <b>G.W. Barsness</b> , Mayo Clinic, Rochester, MN, USA	131
18:30	ENDOVASCULAR TREATMENT OF PERIPHERAL ARTERIAL DISEASE (Invited Lecture) <b>S. Banerjee</b> , D.L. Tran, T. Oladunni, E.S. Brilakis VA North Texas Healthcare System, Dallas, TX, USA	132

S25

Session

**SYSTEMIC AND PULMONARY HYPERTENSION, BASIC AND CLINICAL**

Chairpersons: **R.C. Bourge**, Birmingham, AL, USA  
**G.L. Fung**, San Francisco, CA, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 16:45 | DIETARY NITRATE, VIA BIOACTIVATION TO NITRITE, LOWERS BLOOD PRESSURE IN ESSENTIAL HYPERTENSION<br>V. Kapil, A.B. Milsom, V. Pearl, S. Maleki-Toyserkani, M. Yousuf, R. MacAllister, N. Benjamin, A.J. Webb, A.J. Hobbs, <b>A. Ahluwalia</b><br>Barts & The London Medical School, London, UK  | 133 |
| 17:00 | PULMONARY ARTERIAL HYPERTENSION: CHANGES IN SURVIVAL OVER TIME<br><b>C.M. Larsen</b> , R.J. Le, R.P. Frantz, M.D. McGoon, G.C. Kane<br>Mayo Clinic, Rochester, MN, USA  | 134 |
| 17:15 | DISCORDANT IDENTIFICATION OF MASKED HYPERTENSION BASED ON DAYTIME OR NIGHTTIME PRESSURE IN CHRONIC KIDNEY DISEASE<br><b>R.C. Hermida</b> , A. Otero, L. Piñeiro, D.E. Ayala, A. Moya, E. Sineiro, M.J. Fontao, A. Mojón, J.R. Fernández, for the Hygia Project Investigators<br>Bioengineering & Chronobiology Labs., Univ. Vigo, Vigo, Spain | 135 |
| 17:30 | NEBIVOLOL AND ATENOLOL HAVE DISTINCT EFFECTS ON HYPERTENSION-INDUCED ALTERATIONS IN MICR-RNA LEVELS IN THE AORTA<br><b>Y. Birnbaum</b> , J. Qian, J.R. Perez-Polo, Y. Ye<br>University of Texas Medical Branch, Galveston, TX, USA  | 136 |
| 17:45 | NATRIURETIC PEPTIDES PREVENT THE PULMONARY HYPERTENSION & RIGHT VENTRICULAR HYPERTROPHY ASSOCIATED WITH PULMONARY FIBROSIS<br>R.S. Baliga, C.J. Scotton, S.L. Trinder, R.C. Chambers, R.J. MacAllister, <b>A.J. Hobbs</b> ,<br>University College London, UK  | 137 |
| 18:00 | EFFECTS ON AMBULATORY BLOOD PRESSURE OF ADDING ASPIRIN AT BEDTIME IN TREATED HYPERTENSIVE SUBJECTS<br>D.E. Ayala, <b>R.C. Hermida</b><br>Bioengineering & Chronobiology Labs., University of Vigo, Vigo, Spain  | 138 |
| 18:15 | LEFT VENTRICULAR MASS CORRELATES WITH ABNORMAL PEAK FILLING RATE BY CARDIAC MAGNETIC RESONANCE IMAGING IN HYPERTENSIVE PATIENTS WITH NORMAL ECHOCARDIOGRAPHIC DIASTOLIC PARAMETERS<br><b>R.S. Marfatia</b> , S. Kumar, M. Rai, R. Feinn, E. Kaloudis, C. Yang, E. Avelar<br>University of Connecticut Health Center, Farmington, CT, USA      | 139 |
| 18:30 | PULMONARY HYPERTENSION REMAINS A DEADLY DISEASE: INSIGHTS FROM THE ARADALE ECHO STUDY<br><b>G.A. Strange</b> , D.A. Playford, S. Stewart, A. Kent, J.A. Deague, E. Gabbay<br>Monash University, Melbourne, Victoria, Australia  | 140 |



- 18:45 ALISKIREN ALONE OR IN COMBINATION WITH HYDROCHLOROTHIAZIDE IN PATIENTS WITH THE LOWER RANGES OF STAGE 2 HYPERTENSION: THE ACQUIRE RANDOMIZED, DOUBLE-BLIND STUDY  
H.R. Black, **F.A. Aguirre Palacios**, M. Bijarnia, A.K. Laflamme, F. Baschiera  
Hospital Militar de Guayaquil HD-II-DE "Libertad", Guayaquil, Guayas, Ecuador 141
- 19:00 THE INFLUENCE OF METEOROLOGICAL PARAMETERS ON THE OCCURENCE OF HYPERTENSIVE URGENCY AND EMERGENCY  
C. Koppe, J. Ghafoor, S. Springer, D. Arndt, H. Schilling, A. Muegge, **J. Boergel**, Katharinen Hospital, Unna, Germany 142

13:30 – 18:30

Poster Hall

**P301 INTERVENTIONAL CARDIOLOGY I**

Board No

- 1 ONE-YEAR OUTCOMES OF TRANSRADIAL VERSUS TRANSFEMORAL INTERVENTION IN ACUTE MYOCARDIAL INFARCTION  
**K.S. Cha**, H.W. Lee, M.J. Yang, B.W. Kim, J.H. Choi, J.H. Oh, J.H. Choi, H.C. Lee, T.J. Hong, M.H. Jeong  
National University Hospital, Busan, Korea 143
- 2 CLINICAL OUTCOME, PROCEDURAL SUCCESS AND COMPLICATIONS OF OCTOGENARIANS UNDERGOING CORONARY INTERVENTIONS  
H.R. Pourhoseini, **M. Mousavi**, M. Salarifar, AM. Hajzeinali, S.E. Kassaian, M. Alidoosti, E. Nematipour, K. Hoseini  
Tehran University of Medical Sciences, Tehran, Iran 144
- 3 LONG-TERM OUTCOMES OF CORONARY ARTERY STENTING IN OCTOGENARIANS WITH CHRONIC KIDNEY DISEASE  
**D.V. Bhatt**, F. Saeed, M.U. Saqlain, S. Arora, M.D. Gibb, S.S. Mehta  
University of Illinois College of Medicine, Urbana, IL, USA 145
- 4 A RANDOMIZED COMPARISON OF THE EFFICACY AND SAFETY OF ZOTAROLIMUS-ELUTING STENTS VERSUS SIROLIMUS-ELUTING STENTS FOR PERCUTANEOUS CORONARY INTERVENTION IN CHRONIC TOTAL OCCLUSIONS  
**H.Y. Kim**, H.J. Park, Y.S. Choi, D.B. Kim, S.H. Her, J.M. Lee, W.S. Chung, K.B. Seung  
The Catholic University of Korea, Bucheon, South Korea 146
- 5 HALF A DECADE OF PRIMARY PERCUTANEOUS INTERVENTION IN THE ELDERLY FROM A SINGLE CENTRE: ARE WE THERE YET?  
**V. Sharma**, M. Srinivasan, D. Swamydass, D. Smith  
Morrison Hospital Cardiac Centre, Swansea, UK 147
- 6 COMPLICATIONS OF THE SZABO TECHNIQUE: CAN WE AVOID IT?  
**R.M. Valdesuso**, F.J. Lacunza, J.R. Gimeno, J. Garcia, J. Hurtado, E. Pinar, M. Valdes  
Hospital Universitario Virgen de la Arrixaca, Murcia, Spain 148

## SUNDAY, JULY 24, 2011

Board No		Abstract No.
7	CLINICAL OUTCOMES AFTER HYBRID USE OF BARE METAL AND DRUG-ELUTING STENTS IN PATIENTS WITH MULTI VESSEL CORONARY ARTERY DISEASE A. Ramirez Moreno, J.R. Siles Rubio, C. Pera Rojas, J. Munoz Bellido, L. Inigo Garcia, <b>T. Jimenez Gil</b> , C. Medina Palomo, L. Fernandez Lopez, F.J. Martinez Garcia Hospiten, Estepona, Spain	149
8	THE IMPACT OF STENT LENGTH IN STENT THROMBOSIS AFTER PCI WITH DRUG-ELUTING STENT IMPLANTATION <b>A. Omarov</b> , T. Batyraliev, I. Pershukov, L. Petrakova, I. Lazarev, J. Ramazanov, B. Kadyrov, D. Preobrazhensky, B. Sidorenko, Y. Belenkov Syzganov Center of Surgery, Almaty, Kazakhstan	150
9	A RETROSPECTIVE STUDY ON TRANSRADIAL VERSUS TRANSFEMORAL APPROACH FOR CORONARY ANGIOGRAPHY AND INTERVENTION AT A TERTIARY HOSPITAL IN THE PHILIPPINES <b>G.R.T. Mercadal</b> , J.A. Prado, R.E. Ramboyong The Medical City, Pasig City, Philippines	151
<b>P302</b>	<b>PERIPHERAL ARTERIAL DISEASE / CAROTID ARTERY DISEASE / ISCHEMIC STROKE</b>	
10	OUR EXPERIENCE OF TREATMENT OF OCCLUSIVE DISEASES OF LOWER LIMB USING AUTOLOGOUS STEM CELLS <b>A. Gaibov</b> , U. Kurbanov, B. Karimzade, T. Gulmuradov, M. Khidirov, S. Muminjonov, A. Didory, J. Irgasheva, M. Rakhmatov, M. Mirshahi Avicenna Tajik State Medical University, Dushanbe, Tajikistan	152
11	IMPACT OF EXTRACARDIAC VASCULAR DISEASE ON LONG-TERM MORTALITY IN OLDER PATIENTS WITH NON-ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION (NSTEMI) <b>S. Subherwal</b> , M.R. Patel, S. Li, D.L. Bhatt, T.Y. Wang, K.P. Alexander, E.M. Ohman, W.B. Gibler, E.D. Peterson, M.T. Roe Duke University, Durham, NC, USA	153
12	IS AORTICSCLEROSIS ASSOCIATED WITH ARTERIAL STIFFNESS OR CAROTID ARTERIOSCLEROSIS? <b>T. Kon</b> , T. Hirohashi, T. Kurosu, K. Sasaki, T. Tabata, T. Ogawa, T. Tomaru Toho University Medical Center Sakura Hospital, Japan	154
13	DIAGNOSTIC ACCURACY OF BRAIN NATRIURETIC PEPTIDE IN DISTINGUISHING CARDIOEMBOLIC ISCHEMIC STROKE FROM OTHER SUBTYPES <b>L. Kashani Amin</b> , S. Haj Sadeghi, H. Bakhshandeh, A. Azizian, M. Rohani Tehran University of Medical Sciences, Tehran, Iran	155
14	CLINICAL OUTCOMES IN PATIENTS WITH CVA AND TYPE 2 MYOCARDIAL INFARCTION <b>H. Khawaja</b> , A. Shah, M. Fatima, A. Makarian, M. Torosoff Albany Medical Collegeny, NY, USA	156
15	EFFICACY AND SAFETY OF PROTECTED ENDOVASCULAR TREATMENT IN HIGH RISK PATIENTS WITH SEVERE CAROTID STENOSIS (EARLY AND LONG TERM FOLLOW-UP) <b>M. Ghasemi</b> , B. Heidari-Aghdam, A. Kaboli, R. Abulfazli, S. Hashemi-Fesharaki Research Center of Endovascular Intervention, Tehran, Iran	157

## SUNDAY, JULY 24, 2011

### P506 LIPID, LIPOPROTEIN DISORDERS AND CAD / TREATMENT OF DYSLIPOPROTEINEMIA

Board No		Abstract No.
16	ISOLATED LOW HIGH DENSITY LIPOPROTEIN CHOLESTEROL IN INDIANS: A COMPARATIVE DRUG TRIAL <b>S. Kumar</b> , H. Rai, S. Tewari, A. Kapoor, N. Sinha Sanjay Gandhi PGIMS, Lucknow, Sahara Hospital, Lucknow, UP, India	158
17	OXIDIZED LDL AUTOANTIBODIES IN ACUTE MYOCARDIAL INFARCTION PATIENT AFTER PRIMARY BALLOON ANGIOPLASTY <b>C.S. Huang</b> , C.H. Huang, C.L. Kuo, C.S. Liu, Vascular and Genomic Center, Changhua Christian Hospital, Changhua, Taiwan	159
18	CAN LDL-APHERESIS ALTER KINETIC PARAMETERS OF LDL METABOLISM? A CASE STUDY <b>T. Dabous</b> The University of Kansas Medical Center, Kansas City, KS, USA	160
19	LIPID-RELATED RESIDUAL RISK FOR OCCURRENCE AND SURVIVAL AMONG PATIENTS WITH FIRST-EVENT ACUTE CORONARY SYNDROME AND NORMAL LDL CHOLESTEROL <b>K.L. Chien</b> , H.J. Lin, H.C. Hsu, F.T. Chiang, M.F. Chen National Taiwan University, Taipei, Taiwan	161
20	ASSOCIATION BETWEEN CORONARY LOCAL OXIDIZED LDL LEVELS AND SMOKING IN PATIENTS WITH CORONARY HEART DISEASE IN CHINESE MEN <b>D. Hongmei</b> , H. Lan, S. Yao, Z. Gang Xinqiao Hospital, Third Military Medical University, Chongqing, China	162
<b>P206 CAD: SECONDARY PREVENTION, CARDIAC REHAB</b>		
21	PREOPERATIVE STATIN TREATMENT IN CARDIAC SURGERY IS MORE EFFECTIVE IN PATIENTS WITH PREVIOUSLY ACTIVATION OF THE INFLAMMATORY SYSTEM J. Martinez-Comendador, <b>J. Rubio Alvarez</b> , J. Sierra, E. Teijeira, B. Adrio University Hospital, Santiago de Compostela, Spain	163
22	OMEGA-3 DIET OR PROBIOTICS ADDITION IS BENEFICIAL TO REDUCE DEPRESSION AFTER MYOCARDIAL INFARCTION <b>K. Gilbert</b> , J. A-Breard, F.F. Monaco, A. Beaudoin, R. Godbout, G. Rousseau, Centre de Biomedicine, Montreal's Sacre-Coeur Hospital, Montreal, QC, Canada	164
23	EFFICACY AND SAFETY OF NEBIVOLOL IN PATIENTS WITH CHRONIC STABLE ANGINA IN COMPARISON TO METOPROLOL <b>S. Kumar</b> , H. Rai, A. Kapoor, S. Tewari, N. Sinha Sanjay Gandhi PGIMS, Lucknow, UP, India	165
24	SEXUAL COUNSELING SERVICE FOR CARDIAC PATIENTS <b>K.K. Wong</b> , K.B. Lam, Y.Y. Ho, L. Li, K.W. Cheng, S.M. Wong, S.F. Yau Cardiac Rehabilitation & Prevention Center, Tung Wah Hospital, Hong Kong	166

## SUNDAY, JULY 24, 2011

Board No		Abstract No.
25	HOME-BASED ARM CARDIAC REHABILITATION: A PILOT STUDY IN DISABLED VETERANS A.K. Chan, L. Christianson, M.B. Jhavar, A. Mehra, K.B. Aggarwal, K.C. Dellsperger, <b>A. Chockalingam</b> Harry S Truman Memorial Veterans' Hospital, University of Missouri, Columbia, MO, USA	167
26	FACTORS INFLUENCE LIFESTYLE RISK BEHAVIORS ASSOCIATED WITH CARDIOVASCULAR DISEASES AMONGST QATARI WOMEN <b>T.T. Donnelly</b> , J.A. Suwaidi, N.R. Al Enazi, A.M. Albulushi, A.M. Rehman, K. Yassin, Z. Idris, A.H. Hassan University of Calgary-Qatar, Hamad Medical Corporation, Doha, Qatar	168
27	EFFECTS OF A TELEMEDICINE PROGRAM ON CARDIAC RISK FACTORS IN PATIENTS AFTER ACUTE CORONARY SYNDROME <b>R.S. Tawil</b> , V. Ortiz, M.L. Ruby, E.C. Marshall, S.C. Denardo, I.C. Doyle, J.R. Perez, R.S. Schofield, C.M. Schmalfluss Malcom Randall VA Medical Center, University of Florida College of Medicine, Gainesville, FL, USA	169
28	CARDIAC REHABILITATION BASED ON VIRTUAL REALITY – PRELIMINARY STUDY R. Medeiros, J. Leandro, R. Traballi, <b>T. Maki</b> , C. Guerra, B. Muller UNIP, Sao Paulo, Sao Paulo, HLP, MOGI Das Cruzes, Sao Paulo, Brazil	170
29	ASSESSING THE PREDICTIVE VALUE OF TRADITIONAL CARDIAC RISK FACTORS AND VARIOUS FRAMINGHAM RISK ESTIMATES FOR CORONARY ARTERY DISEASE SEVERITY AND THEIR IMPACT IN DIRECTING PATIENTS' CLINICAL MANAGEMENT: A CORONARY COMPUTED TOMOGRAPHY ANGIOGRAPHY (CCTA) STUDY A. Ahmadi, <b>S. Alipoor</b> , G. Granua, S. Rezazadeh, R. Faraji, B. Heilbron, K. Ramanathan, C. Taylor, J. Leipsic UBC, Vancouver, BC, Canada	171
<b>P309</b>	<b>RHEUMATIC HEART DISEASE / INFECTIVE ENDOCARDITIS</b>	
30	BACTERIOLOGICAL OUTCOME OF COMBINATION TREATMENT FOR STAPHYLOCOCCAL ENDOCARDITIS <b>F. Fayaz</b> , H. Ghassemian, P. Pourmalek, F. Faridnia Shaheed Beheshti University of Medical Sciences, Faculty of Medicine, Tehran, Iran	172
31	UNUSUAL CARDIAC MANIFESTATIONS IN A PATIENT WITH LISTERIA BACTEREMIA <b>P.C. Voukydis</b> , K. Daniello, A. Fang, R. Spencer, S. Page, I. Belhau Harvard Medical School, Cambridge, MA, USA	173
32	PRESENTATION OF RHEUMATIC HEART DISEASE IN A SPECIALIST CLINIC IN SUDAN <b>A. Karrar</b> , R. Al-Khalifa, I. Ali Dept. of Cardiology, Ahmed Gasim Hospital, Khartoum, Sudan	174

## SUNDAY, JULY 24, 2011

### P211 QUALITY IMPROVEMENT AND OUTCOMES / PRACTICE GUIDELINES

Board No		Abstract No.
33	<p>COST EFFECTIVENESS OF TARGETED STATIN THERAPY FOLLOWING GENOTYPE TESTING AMONG ACUTE CORONARY SYNDROME PATIENTS A.G. Parthan, O.A. Iakoubova, K.J. Leahy, A.K. O'Sullivan, L.A. Bare, J.J. Devlin, M.C. Weinstein, <b>M. Luke</b> Celera Inc., Alameda, CA, USA</p>	175
34	<p>ECONOMIC IMPACT OF SAME DAY DISCHARGE AFTER ELECTIV PERCUTANEOUS CORONARY INTERVENTION <b>P. Muthusamy</b>, D. Busman, D. Berndt, A. Beekman, D. Wohns Spectrum Health, Grand Rapids, MI, USA</p>	176
35	<p>CLINICAL MANAGEMENT OF A HIGH RISK DIABETIC POPULATION UNDERGOING PERCUTANEOUS CORONARY INTERVENTION <b>P.F. Pollice</b>, P.P. Pollice, B.L. Leclercq Private Clinic, Andria, BT, Italy</p>	177
36	<p>CLINICAL PRACTICE AND WORKUP OF THE SYNCOPE PATIENT: APPLICATION OF THE AHA/ACC GUIDELINES AND EVIDENCE BASED PRACTICE TO CLINICAL MEDICINE: ARE WE PASSING THE GRADE? <b>F.A. Fakorede</b>, B.A. Waldman, T.B. Cartwright, A.K. Patel, E.L. Iliadis Division of Cardiology, Cooper University Hospital, Camden, NJ, USA</p>	178
37	<p>ACUTE CORONARY SYNDROME AND GUIDELINES-EDUCATION DOES NOT NECESSARILY CHANGE PRACTICE <b>V. Sharma</b>, S. Vijayan, P. Thomas Morrison Hospital Cardiac Centre, Swansea, UK</p>	179
38	<p>A RELIABLE, CONFIRMATORY MARKER OF CLINICAL RESPONSE TO AQUAPHERESIS THERAPY <b>D. Gajanana</b>, M. Aradhya, S. Silparshetty, H. Polimera, E. Amedeo, P. Sugathan, St Luke's Hospital and Health Network, Bethlehem, PA, USA</p>	180
39	<p>IS P WAVE DURATION ON 12-LEADS ECG USEFUL TO SELECT ISCHEMIC STROKE PATIENTS FOR 24 HOURS AMBULATORY HOLTER MONITORING? <b>K. Chee</b>, D. Coles, D. McGill The Prince Charles Hospital, Brisbane, Queensland, Australia</p>	181
40	<p>UNCLAIMED ELECTROCARDIOGRAM REPORTS AT THE INPATIENT CHARITY AREAS OF A TERTIARY HOSPITAL (THE ERICA STUDY) <b>J.D.A. Magno</b>, M.O. Matulac, E.B. Reyes Department of Medicine, UP-Philippine General Hospital, Manila, Philippines</p>	182
41	<p>SECURING FOLLOW-UP APPOINTMENTS FOR ACUTE CONGESTIVE HEART FAILURE (CHF) PATIENTS TO PREVENT READMISSIONS W. Htun, <b>O. Al-Awwad</b>, A. Saxena Lutheran Medical Center, Brooklyn, NY, USA</p>	183





INTERNATIONAL ACADEMY OF CARDIOLOGY  
16th WORLD CONGRESS ON  
**HEART DISEASE**  
ANNUAL SCIENTIFIC SESSIONS 2011  

---

VANCOUVER, BC, CANADA, July 23-26, 2011

**SCIENTIFIC  
PROGRAM**

Monday, July 25, 2011

S  
C  
I  
E  
N  
T  
I  
F  
I  
C  
P  
R  
O  
G  
R  
A  
M





## MONDAY, JULY 25, 2011

08:30 – 11:15

Hall A

PL:07	<b>Plenary Session</b> <b>ADVANCED DIAGNOSTIC METHODS AND IMAGING TECHNIQUES / ECHOCARDIOGRAPHY</b>	
	Chairpersons: <b>S.F. Nagueh</b> , Houston, TX, USA <b>N.C. Nanda</b> , Birmingham, AL, USA	Abstract No.
08:30	ASSESSMENT OF CARDIAC IRON OVERLOAD BY MAGNETIC RESONANCE (Invited Lecture) <b>R. Krittayaphong</b> , Siriraj Hospital, Mahidol University, Bangkok, Thailand	184
08:45	NEW OPTIONS IN NONINVASIVE ASSESSMENT OF LEFT VENTRICULAR TORSION (Invited Lecture) <b>J.N. Bella</b> , Bronx -Lebanon Hospital Center, NY, USA	185
09:00	HEMODYNAMIC ASSESSMENT BY ECHOCARDIOGRAPHY (Invited Lecture) <b>S.F. Nagueh</b> , Methodist DeBakey Heart Center, Houston, TX, USA	186
09:15	RECENT ADVANCES IN ECHOCARDIOGRAPHY (Invited Lecture) <b>N.C. Nanda</b> , University of Alabama, Birmingham, AL, USA	187
09:30	THE ROLE OF TRANSESOPHAGEAL ECHOCARDIOGRAPHY IN ACUTE AORTIC SYNDROMES (Invited Lecture) <b>E. Bossone</b> , Cava de Tirreni & Amalfi Coast Hospital, Italy	188
09:45	X-RAY FUSED WITH MRI FOR DELIVERY OF STEM CELLS TO THE PERICARDIAL SAC (Invited Lecture) <b>D.L. Kraitchman</b> , Johns Hopkins University School of Medicine, Baltimore, MD, USA	189
10:00	ADVANCE APPLICATIONS OF CARDIOVASCULAR MRI: FOCUS ON CONTRAST IMAGING OF THE MYOCARDIUM (Invited Lecture) <b>R.W. Biederman</b> , Allegheny General Hospital, Pittsburgh, PA, USA	190
10:15	EMERGING NONINVASIVE METHODS FOR ASSESSMENT OF MYOCARDIAL VISCO ELASTICITY (Invited Lecture) <b>C. Pislaru</b> , M.W. Urban, J.F Greenleaf Mayo Clinic College of Medicine, Rochester, MN, USA	191
10:30	ECHOCARDIOGRAPHY IN THE CATH LAB - A TEAM APPROACH TO PERCUTANEOUS VALVULAR INTERVENTIONS (Invited Lecture) <b>S.V. Pislaru</b> , Mayo Clinic College of Medicine, Rochester, MN, USA	192
10:45	STRESS ECHOCARDIOGRAPHY IN CLINICAL PRACTICE (Invited Lecture) <b>M. Prokudina</b> , Federal Center of Heart, Blood and Endocrinology, St. Petersburg, Russia	193
11:00	TWO-DIMENSIONAL INTRAVASCULAR NEAR-INFRARED FLUORESCENCE MOLECULAR IMAGING (Invited Lecture) <b>M.A. Calfon</b> , Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA	194
11:15	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

<b>PL:08</b>	<b>Plenary Session</b>	
	ATHEROSCLEROSIS: PATHOGENESIS AND NOVEL THERAPEUTIC TARGETS	
	Chairpersons: <b>S.D. Gertz</b> , Jerusalem, Israel <b>J.L. Mehta</b> , Little Rock, AR, USA	
		Abstract No.
08:30	THE PIVOTAL ROLE OF ENDOTHELIAL DYSFUNCTION IN CARDIOVASCULAR DISEASES - A NANOMEDICAL APPROACH (Invited Lecture) Z. Kwias, <b>T. Malinski</b> , Ohio University, Athens, OH, USA	195
08:45	HEMODYNAMIC FORCES IN THE PATHOGENESIS OF ABDOMINAL AORTIC ANEURYSM (Invited Lecture) <b>S.D. Gertz</b> , Hebrew University Hadassah Medical School, Jerusalem, Israel	196
09:00	MICRORNA IN THE REGULATION OF OXIDATIVE STRESS AND INFLAMMATION ASSOCIATED WITH CAD (Invited Lecture) <b>P. Holvoet</b> , D. De Keyzer, M. Hulsmans Katholieke Universiteit Leuven, Belgium	198
09:15	REGULATION OF CORONARY VASOMOTOR FUNCTION BY OXIDATIVE STRESS (Invited Lecture) <b>L. Kuo</b> , N. Thengchaisri, T.W. Hein Texas A&M Health Science Center, Temple, TX, USA	199
09:30	ASSOCIATIONS OF MODIFIED LDLs WITH ATHEROSCLEROSIS AND CARDIOVASCULAR DISEASE IN PATIENTS WITH END-STAGE KIDNEY DISEASE (Invited Lecture) <b>A.G. Basnakian</b> , M.L. Eigenbrodt, E. Ok, E.O. Apostolov, G. Asci, S.S. Ozbek, D. Ray, S.V. Shah University of Arkansas for Medical Sciences, Little Rock, AR, USA	200
09:45	NOVEL ROLE OF IMMUNOGLOBULIN E IN ATHEROSCLEROSIS (Invited Lecture) J. Wang, <b>G-P. Shi</b> , Brigham and Women's Hospital, Boston, MA, USA	201
10:00	INTERLEUCIN - 6: A STRONG PREDICTOR OF CORONARY ATHEROSCLEROSIS EXTENT AND SEVERITY (Invited Lecture) <b>S.N. Koulouris</b> , Evangelismos Hospital, Athens, Greece	202
10:15	BLOCKADE OF THE RENIN-ANGIOTENSIN SYSTEM INHIBITS C-REACTIVE PROTEIN MEDIATED VASCULAR INJURY <b>A.J. Szalai</b> , C. Pierce, W. Zhang, D. Xing, Y-F. Chen, M.A. McCrory, S. Oparil, F.G. Hage, University of Alabama at Birmingham, Birmingham, AL, USA	203
10:30	PLAQUE MORPHOLOGY OF ACUTE CORONARY SYNDROME ASSESSED BY OCT <b>T. Akasaka</b> , T. Kubo, M. Mizukoshi, K. Hirata, H. Kitabata, Y. Ino, T. Tanimoto, K. Komukai, K. Ishibashi, T. Imanishi Wakayama Medical University, Wakayama, Japan	204
10:45	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

**S26 Session**  
**NEW DIRECTIONS IN CARDIAC SURGERY**

Chairpersons: **R. Hetzer**, Berlin, Germany  
**W. Mohl**, Vienna, Austria

Abstract No.

08:30	<p>PERICARDIECTOMY VERSUS MEDICAL TREATMENT FOR THE MANAGEMENT OF RELAPSING PERICARDITIS <b>M.H. Khandaker</b>, K.L. Greason, N.S. Anavekar, R.E. Espinosa, S.N. Hayes, R.A. Nishimura, H.V. Schaff, J.K. Oh Mayo Clinic and Mayo Foundation, Rochester, MN, USA</p>	205
08:45	<p>IMPROVING CORONARY SURGERY FOR DIABETICS: ADDING A RADIAL ARTERY GRAFT INCREASES LONG TERM SURVIVAL <b>D.M. Hoffman</b>, H. De Castro, K.R. Dimitrova, C.M. Geller, P. Friedmann, R.F. Tranbaugh, Beth Israel Medical Center, New York, NY, USA</p>	206
09:00	<p>IMPACT OF RENAL INJURY ON CLINICAL OUTCOMES FOLLOWING TRANSAPICAL AORTIC VALVE IMPLANTATION <b>J.M. Kim</b>, J.L. Soon, A. Cheung, S.V. Lichtenstein, D. Wood, J.G. Webb, J. Ye St. Paul's Hospital, University of British Columbia, Vancouver, BC, Canada</p>	207
09:15	<p>CORONARY ARTERY BYPASS SURGERY IN WOMEN: THE ROLE OF RADIAL ARTERY GRAFTING <b>K.R. Dimitrova</b>, D.M. Hoffman, C.M. Geller, P. Friedmann, H. DeCastro, W. Ko, R.F. Tranbaugh, Beth Israel Medical Center, New York, NY, USA</p>	208
09:30	<p>RESULTS OF URGENT CABG AFTER CLOPIDOGREL LOADING DOSE IN ACUTE CORONARY SYNDROMES <b>G.B. Blossom</b>, J. Lehoux, R. Soans, L. Shaffer, D.R. Watson Riverside Methodist Hospital, Columbus, OH, USA</p>	209
09:45	<p>SUCCESSFUL TWELVE HOURS OF CARDIAC PRESERVATION WITH CUSTODIOL-N, A NOVEL ORGAN PROTECTION SOLUTION IN AN ORTHOTOPIC HEART TRANSPLANTATION MODEL <b>G. Szabo</b>, G. Veres, T. Radovits, B. Schmack, A. Weymann, M. Karck, F. Horkay, I. Hartyanszky Department of Cardiac Surgery, University of Heidelberg, Heidelberg, Germany</p>	210
10:00	<p>ROBOT-ASSISTED VASCULAR SURGERY TODAY <b>P. Stadler</b>, L. Dvoracek, P. Vitasek, P. Matous Na Homolce Hospital, Prague, Czech Republic</p>	211
10:15	<p>WHICH IS BETTER: SKELETONIZED OR PEDICLED IMA-HARVESTING TECHNIQUES A. Erkin, S. Sarikaya, A. Elibol, E. Aksoy, A. Ak, H. Sacli, M. Dedemoglu, I. Mataraci, M. Sismanoglu, <b>K. Kirali</b>, Kartal Kosuyolu YIEA Hospital, Istanbul, Turkey</p>	212
10:30	<p>PREVALENCE AND DETERMINANTS OF ELECTRICAL ALTERNANS IN PATIENTS WITH CARDIAC TAMPONADE A. Kumar, A. Brofferio, <b>J. Shirani</b>, Geisinger Medical Center, Danville, PA, USA</p>	213

# MONDAY, JULY 25, 2011

Abstract No.

- 10:45 OUTCOMES OF AORTIC VALVE REPLACEMENT VIA RIGHT MINI-THORACOTOMY VS. MEDIAN STERNOTOMY AFTER PRIOR CARDIAC SURGERY **214**  
**A.M. Pineda**, O. Santana, J. Reyna, A. Sarria, G.A. Lamas, J. Lamelas  
Mount Sinai Heart Institute, Miami Beach, FL, USA
- 11:00 INDUCTION IMMUNOSUPPRESSION WHEN DRIVELINE INFECTION IS THE INDICATION FOR CARDIAC TRANSPLANTATION **215**  
**A.J. Voelkel**, K.C. McCants, U. Sharma, M.L. Williams, S.D. Prabhu, E.J. Birks, M.S. Slaughter, University of Louisville, Louisville, KY, USA
- 11:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

---

**08:30 – 11:30**

**Hall D**

**S27**

**Session**

**SECONDARY PREVENTION, MODIFICATION OF LIPOPROTEINS, PROGNOSIS, RISK STRATIFICATION**

Chairpersons: **Y. Charuzi**, Los Angeles, CA, USA  
**N.D. Wong**, Irvine, CA, USA

- 08:30 ADHERENCE TO DRUGS THAT PREVENT CARDIOVASCULAR DISEASE: A META-ANALYSIS **216**  
**H. Naderi**, J.P. Bestwick, D.S. Wald  
Queen Mary University of London, London, UK
- 08:45 CAROTID PLAQUE THICKNESS IS SUPERIOR TO CAROTID INTIMA-MEDIA THICKNESS IN PREDICTING CORONARY ARTERY DISEASE SEVERITY IN A MIDDLE - AGED PATIENT POPULATION **217**  
K. Triantafyllou, P. Symeonides, S. Pastromas, H. Anninos, **S.N. Koulouris**  
Evangelismos Hospital, Athens, Greece
- 09:00 COPEs II RANDOMIZED CONTROLLED TRIAL – 1-YEAR NON-FATAL MYOCARDIAL INFARCTION AND MORTALITY RESULTS **218**  
**K.W. Davidson**, N. Rieckmann, I. Kronish, S. Ye, C. Batres, J.E. Schwartz, M.M. Burg, Columbia University Medical Center, New York, NY, USA
- 09:15 IMPACT OF EPICARDIAL ADIPOSE TISSUE VOLUME ON CARDIAC SIZE DETERMINED BY CHEST ROENTGENOGRAM **219**  
N.C. Baker, C. Assal, **J. Shirani**  
Geisinger Medical Center, Danville, PA, USA
- 09:30 AFRICAN-ANCESTRY PATIENTS WITH HYPERLIPIDEMIA HAVE A HIGH PREVALENCE OF HYPERTENSION AND TYPE II DIABETES; RESULTS FROM THE CEPHEUS SOUTH AFRICA STUDY **220**  
**C.L. Schamroth**, D. Raal, G. Vandenhoven, A-M. Temmerman  
Dept. of Cardiology, Milpark Hospital, Johannesburg, Gauteng, South Africa

## MONDAY, JULY 25, 2011

Abstract No.

- 09:45 CONTROL OF HYPERLIPIDEMIA AND PRESENCE OF CARDIOVASCULAR RISK FACTORS IN SOUTH AFRICAN WOMEN; RESULTS FROM THE CEPHEUS SOUTH AFRICA STUDY  
**N. Rapeport**, C.L. Schamroth, Milpark Hospital, Johannesburg, South Africa 221
- 10:00 GRACE VERSUS TIMI RISK SCORES FOR RISK STRATIFICATION IN FILIPINO PATIENTS WITH ACUTE CORONARY SYNDROMES AT THE PHILIPPINE HEART CENTER  
**H.J.M. Brown**, J.S. Jumangit, Philippine Heart Center, Quezon City, Philippines 222
- 10:15 MAINTAINING PHYSICAL FITNESS OF PATIENTS WITH CHRONIC HEART FAILURE: A RANDOMIZED CONTROLLED TRIAL  
**P.J.M. Beckers**, J. Denollet, N.M. Possemiers, K. Wuyts, C.J. Vrints, V.M. Conraads, Antwerp University Hospital, Edegem, Antwerp, Belgium 223
- 10:30 INFLUENCE OF COMORBIDITIES ON ONE-YEAR OUTCOMES IN NON-ST-SEGMENT ELEVATION ACUTE CORONARY SYNDROME  
**C. Bonanad**, J. Sanchis, J. Nunez, E. Nunez, V. Bodi, A. Garcia Alvarez, A. Regueiro, M. Heras, X. Bosch, A. Llacer, Clinic Hospital from Valencia, Spain 224
- 10:45 PREDICTORS OF HOSPITAL MORTALITY IN CORONARY ARTERY BYPASS GRAFT SURGERY PATIENTS REQUIRING INTRA-AORTIC BALLOON PUMP SUPPORT  
C. Chen-Scarabelli, L. Il Saravolatz, L. Saravolatz, G. Faggian, A. Mazzucco, **T.M. Scarabelli**  
St John Hospital/Wayne State University, Detroit, MI, USA 225
- 11:00 PATTERNS AND DETERMINANTS OF DYSLIPIDEMIA IN "YOUNG" VERSUS "NOT SO YOUNG" PATIENTS OF CAD IN NORTH INDIAN POPULATION  
N. Sinha, **S. Kumar**, H. Rai, R.K. Saran, R.K. Bansal, P.C. Saxena, P.R. Sinha, P.R. Gupta, M. Mishra, P. Jain  
Sahara Hospital, Lucknow, UP, India 226
- 11:15 UTILIZATION OF PHASE II CARDIAC REHABILITATION IN VA PATIENTS: A RETROSPECTIVE SINGLE CENTER EXPERIENCE  
M.B. Jhavar, A.K. Chan, A. Mehra, L. Christianson, K. Aggarwal, K.C. Dellsperger, **A. Chockalingam**, Division of Cardiovascular Medicine, University of Missouri School of Medicine and Harry S. Truman VA Medical Center, Columbia, MO, USA 227
- 11:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

**PL:09 Plenary Session**

**PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY /  
CONGENITAL HEART DISEASE**

Chairpersons: **J.A. Eleftheriades**, New Haven, CT, USA  
**T.F. Feltes**, Columbus, OH, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 11:15 | FAMILY BASED STUDIES OF THE GENETICS OF CONGENITAL HEART DEFECTS (Invited Lecture)<br><b>S.B. Bleyl</b> , C.B. Arrington <b>N.E. Bowles</b><br>University of Utah School of Medicine Eccles Institute of Human Genetics, Salt Lake City, UT, USA  | 228 |
| 11:30 | THE IMPACT OF OBESITY AND OTHER CARDIOVASCULAR RISK FACTORS IN ADULTS WITH CONGENITAL HEART DEFECTS (Invited Lecture)<br><b>A.T. Yetman</b> , University of Utah, Salt Lake City, UT, USA   | 229 |
| 11:45 | BOVINE AORTIC ARCH - A MARKER FOR THORACIC AORTIC DISEASE (Invited Lecture)<br><b>J.A. Eleftheriades</b> , Yale University School of Medicine, New Haven, CT, USA   | 230 |
| 12:00 | THE US HEALTH CARE REFORM ACT: WHAT IT WILL MEAN FOR THE PEDIATRIC CARDIOLOGIST (Invited Lecture)<br><b>T.F. Feltes</b> , The Ohio State University, Columbus, OH, USA  | 231 |
| 12:15 | SEMISUPINE CYCLE STRESS ECHOCARDIOGRAPHY IN PAEDIATRIC CARDIOLOGY: A SUPERIOR METHOD OF EXERCISE TESTING (Invited Lecture)<br><b>G. Sandor</b> , University of British Columbia, Vancouver, BC, Canada  | 232 |
| 12:30 | LEFT VENTRICULAR NONCOMPACTION IN CHILDHOOD: VARIABLE CLINICAL PRESENTATIONS (Invited Lecture)<br><b>P.R.A. Gaskin</b> , University of Maryland, Baltimore, MD, USA   | 233 |
| 12:45 | THE IMPACT OF NON-INVASIVE MAGNETIC RESONANCE IMAGING ON PEDIATRIC CARDIAC CARE<br><b>E.L. Heathfield</b> , T. Hussain, S. Qureshi, T. Witter, A. Bell, P. Beerbaum, R. Razavi, G.F. Greil<br>King's College London BHF Centre, Division of Imaging Science, Biomedical Research Centre of Guy's and St. Thomas' NHS Foundation Trust, London, UK | 234 |
| 13:00 | A DOSE-RESPONSE STUDY OF VASOPRESSIN IN SYSTEMIC AND REGIONAL HEMODYNAMICS IN ASPHYXIATED NEWBORN PIGS<br><b>D.C. Cheung</b> , R.S. Gill, J.Q. Liu, N. Manoucherhri, D.L. Bigam, P.Y. Cheung, B. Dicken, University of Alberta, Edmonton, Canada  | 235 |
| 13:15 | ECHOCARDIOGRAPHIC DETECTION OF CARDIAC ALLOGRAFT REJECTION IN CHILDREN<br><b>S.C. West</b> , C.H. Saunders, K.A. Jayakumar<br>University of Virginia, Charlottesville, VA, USA  | 236 |
| 13:30 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION   |     |

**PL:10 Plenary Session**  
**ACUTE CORONARY SYNDROMES: DETECTION, PREVENTION AND TREATMENT**

Chairpersons: **J.H. Chesebro**, Worcester, MA, USA  
**J.G. Filep**, Montreal, Quebec, Canada

Abstract No.

11:00	DIFFERENTIATING STEMI FROM NON-ISCHEMIC ST ELEVATION IN PATIENTS PRESENTING WITH CHEST PAIN (Invited Lecture) <b>Y. Birnbaum</b> , V. Tran, H.D. Huang, J.G. Diez, G. Kalife, R. Goswami, D. Paniagua, H. Jneid, S.R. Sherron, J.M. Wilson, Baylor College of Medicine, Houston, TX, USA	237
11:15	C-REACTIVE PROTEIN AND ACUTE CORONARY ARTERY DISEASE: CRP'S STRUCTURE AFFECTS FUNCTION (Invited Lecture) <b>J.G. Filep</b> , Maisonneuve-Rosemont Hospital, Montreal, Quebec, Canada	238
11:30	EFFICIENT, COST-SAVING, AND SAFE CHEST PAIN EVALUATION IN THE ED WITH TESTS TO MINIMIZE RADIATION (Invited Lecture) <b>J.H. Chesebro</b> , Umass Memorial Medical School and Medical Center, Worcester, MA, USA	239
11:45	PRESENT STATUS AND FUTURE PERSPECTIVE OF OPTICAL COHERENCE TOMOGRAPHY (Invited Lecture) <b>T. Akasaka</b> , T. Kubo, M. Mizukoshi, A. Tanaka, H. Kitabata Wakayama Medical University, Japan	240
12:00	PROLONGATION OF STEM CELL SURVIVAL WITH RESVERATROL: A MICRO RNA STUDY (Invited Lecture) <b>D.K. Das</b> , University of Connecticut School of Medicine, Farmington, CT, USA	241
12:15	ERYTHROPOIETIN IN PATIENTS WITH ACUTE ST-SEGMENT-ELEVATION MYOCARDIAL INFARCTION UNDERGOING PRIMARY PERCUTANEOUS CORONARY INTERVENTION: TWO-YEAR RESULTS OF THE REVIVAL-3 TRIAL (Invited Lecture) <b>I. Ott</b> , J. Mehilli, S. Schulz, A. Schömig, A. Kastrati Deutsches Herzzentrum, Munchen, Germany	242
12:30	EFFECTIVE MANAGEMENT STRATEGIES FOR COMPLICATED MI PATIENTS (Invited Lecture) <b>H.K. Reddy</b> , R.C. Komatireddy University of Arkansas for Medical Sciences, Little Rock, AR, USA	243
12:45	NOVEL APPROACH TO ECG ANALYSIS OF ISCHEMIA - BEYOND THE ST SEGMENT (Invited Lecture) <b>G.L. Fung</b> , UCSF Medical Center at Mt. Zion, San Francisco, CA, USA	244
13:00	FRACTIONAL FLOW RESERVE IN CONSECUTIVE 'REAL-WORLD' PATIENTS (Invited Lecture) <b>A. Puri</b> , M. Liang, G. Devlin, D.J. Kelly, M. Menon, CSM Medical University, Lucknow, India	245
13:15	REDUCED MICROVASCULAR DENSITY IN NON-ISCHEMIC MYOCARDIUM OF PATIENTS WITH RECENT NON-ST-SEGMENT MYOCARDIAL INFARCTION (Invited Lecture) <b>D.J. Campbell</b> , St. Vincent's Institute of Medical Research, Fitzroy, Victoria, Australia	246
13:30	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

S28

Session

**ARRHYTHMIA I: SUDDEN CARDIAC DEATH/ADVANCES IN IMPLANTABLE RHYTHM DEVICE THERAPY**

Chairpersons: **L. Mestroni**, Aurora, CO, USA  
**A.T. Weiss**, Jerusalem, Israel

Abstract No.

- |       |   |     |
|-------|---|-----|
| 11:15 | EFFECT OF GENDER AND AGE ON DEFIBRILLATION INTERVENTION WITH ICDs FOR PRIMARY PREVENTION OF SUDDEN CARDIAC DEATH<br><b>P. Menaria</b> , K. Axtell, C. Kolibash, J. Sra, M. Akhtar, V. Nangia<br>Aurora Sinai/Aurora St. Luke's Medical Centers, University of Wisconsin School of Medicine and Public Health, Milwaukee, WI, USA                    | 247 |
| 11:30 | SIMPLIFIED SUBCUTANEOUS MULTI-COIL ARRAY IMPLANTATION FOR HIGH DEFIBRILLATION THRESHOLD<br><b>S.A. Kakodkar</b> , M.J. Shih, C. Madias, K. Krishnan, R.G. Trohman<br>Rush University Medical Center, Chicago, IL, USA   | 248 |
| 11:45 | DEFIBRILLATION USING PULSED LOW-ENERGY FAR-FIELD STIMULATION: APPLICATIONS FOR TERMINATION OF ATRIAL AND VENTRICULAR FIBRILLATION<br>F.H. Fenton, S. Luther, B.G. Kornreich, A. Squires, P. Bittihn, D. Hornung, E.M. Cherry, N. Otani, E. Bodenschatz, <b>R.F. Gilmour Jr.</b><br>Dept. of Biomedical Sciences, Cornell Universty, Ithaca, NY, USA | 249 |
| 12:00 | PATIENT REFUSAL IS COMMON AMONG ELIGIBLE ICD CANDIDATES FOR PRIMARY PREVENTION OF SUDDEN DEATH<br><b>H. Li</b> , S. Sturm<br>University of Minnesota Physicians Heart, Eden Prairie, MN, USA  | 250 |
| 12:15 | CHRONIC BIPHASIC VERSUS CATHODAL PACING IN ACUTE MI<br><b>R. Hall</b> , D. Hepp, M. Mower<br>University of Minnesota Law School, Minneapolis, MN, USA   | 251 |
| 12:30 | THE USE OF SINGLE COIL ICD LEAD SYSTEMS IN OBESE PATIENTS: A SINGLE CENTER EXPERIENCE<br><b>R. Mokabberi</b> , A. Haftbaradaran, R. Storm, J. Oren, P. Vijayaraman, G. Dandamudi, Geisinger Medical Center, Danville, Abu Dhabi, United Arab Emirates   | 252 |
| 12:45 | SURVIVAL ANALYSIS OF EXISTING IMPLANTABLE CARDIOVERTER DEFIBRILLATOR LEADS: THE SAFE ICD LEADS VA FDA PILOT STUDY<br><b>L. Barrington</b> , H. Moore, K. Selzman, E. Keung, B. Lewis<br>Veterans Affairs Medical Center, Washington, DC, USA  | 253 |
| 13:00 | ATRIOVENTRICULAR NODE ABLATION IMPROVES RESPONSE TO CARDIAC RESYNCHRONIZATION THERAPY BY MECHANISMS OTHER THAN RATE CONTROL ALONE IN PATIENTS WITH ATRIAL FIBRILLATION<br><b>M.N. Nazmul</b> , B. Powell, C. Miyazaki, W. Shen, Y.M. Cha, S. Nelson, J. Oh, R. Rea, M. Redfield, Mayo Clinic, Rochester, MN, USA                                    | 254 |



## MONDAY, JULY 25, 2011

Abstract No.

- 13:15 THERAPUTIC HYPOTHERMIA FOR OUT-OF-HOSPITAL CARDIAC ARREST PATIENTS: SINGLE TERTIARY CARE CENTER EXPERIENCE **255**  
A.B. Catino, **R. Dhingra**, C.L. Grigel, A.T. Kono  
Dartmouth Hitchcock Medical Center, Lebanon, NH, USA
- 13:30 DIAGNOSIS OF BACTERIAL INFECTIONS DUE TO PACEMAKER AND DEFIBRILLATOR IMPLANTATION **256**  
**F. Fayaz**, H. Ghassemian, P. Pourmalek, F. Faridnia  
Shaheed Beheshti University, Tehran, Iran
- 13:45 PROARRHYTHMIC CHARACTERISTICS OF AUTOMATED IMPLANTABLE CARDIOVERTER DEFIBRILLATORS **257**  
**A. Kannan**, S. Satti, I. Friedlander, G. Bonavita  
Canton Medical Education Foundation, Canton, OH, USA
- 14:00 SUSTAINABLE GRASSROOTS SCREENING PROGRAM TO REDUCE SUDDEN CARDIAC DEATH IN UNIVERSITY STUDENTS **258**  
**A.C. Argianas**, J. Marek, J. Davis, Midwest Heart Foundation,  
Oakbrook Terrace, IL, USA
- 14:15 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

---

**11:30 – 13:45**

**Hall D**

---

**S29**

**Session**

**VASCULAR BIOLOGY, BASIC RESEARCH**

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

- 11:30 PROGRESSION OF CORONARY CALCIFICATION RELATED TO SERUM OSTEOCALCIN LEVELS **259**  
**I.G. Poornima**, L.H. Kuller  
Gerald McGinnis Institute of Cardiovascular Diseases at Allegheny General Hospital,  
Pittsburgh, PA, USA
- 11:45 HYPERLIPIDEMIC DISRUPTION OF VASCULAR IMMUNE HOMEOSTASIS AND ATHEROGENESIS **260**  
**A.J. Merched**, Baylor College of Medicine, Houston, TX, USA
- 12:00 CONTROL OF MACROPHAGE FOAM CELL FORMATION BY CYTOKINES **261**  
D.R. Michael, J.E. McLaren, N. Li, R.C. Salter, T.G. Ashlin, M.L. Buckley,  
**D.P. Ramji**, School of Biosciences, Cardiff University, Cardiff, UK
- 12:15 ANALYSIS OF MYXO MAVIRAL SERPIN TREATMENT FOR INFLAMMATORY VASCULITIC SYNDROMES, GIANT CELL AND TAKAYASU ARTERITIS **262**  
**A.R. Lucas**, H. Chen, D.H. Zheng, M.Y. Bartee, H. Samy, E. Sobel,  
F. Spinale, G. McFadden, T. Beaver, R. Thoburn  
University of Florida, Gainesville, FL, USA

## MONDAY, JULY 25, 2011

Abstract No.

- 12:30 PHARMACOLOGICAL INDUCTION OF LEUKOTRIENE B4 12-HYDROXYDEHYDROGENASE (LTB4DH) IN HUMAN NEUTROPHILS AND ITS POTENTIAL IN THE TREATMENT OF MYOCARDIAL INJURY  
L. Wei, X.C. Le, Z.Y. Xia, Y. Han, **J. Rong**  
The University of Hong Kong, Hong Kong, China 263
- 12:45 PDGF, FGF AND VEGF TEMPORAL REGULATION OF CORONARY ARTERIES DURING PRENATAL DEVELOPMENT  
**R.J. Tomanek**, University of Iowa, Iowa City, IA, USA 264
- 13:00 THE EFFECT OF WALL SHEAR STRESS IN ENDOTHELIAL TISSUE CULTURE MODELS OF PHYSIOLOGICALLY-SIGNIFICANT GEOMETRIES  
**A.A. Emmott**, R.L. Leask, McGill University, Montreal, PQ, Canada 265
- 13:15 HUMANIZED MOUSE MODEL OF THROMBOSIS IS PREDICTIVE OF THE CLINICAL EFFICACY OF ANTIPLATELET AGENTS  
**J. Magallon**, J. Chen, L. Rabbani, G. Dangas, J. Yang, J. Bussel, T. Diacovo  
Columbia University, New York, NY, USA 266
- 13:30 TOTAL PLASMA ANTIOXIDANT CAPACITY IN APOE DEFICIENT MICE FOLLOWING DIETARY ADMINISTRATION OF HDL MIMETIC PEPTIDES  
**S. Safarpour**, M. Haghnegahdar, L. Vakili, S. Vazirian, S. Hama, G. Hough  
David Geffen School of Medicine, University of California, Los Angeles, CA, USA 267
- 13:45 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

---

08:00 – 13:00

Poster Hall

---

### P403 ECHOCARDIOGRAPHY

Board No

- 1 ADVANTAGES OF COMBINING SUPINE BICYCLE ERGOMETRY AND DOBUTAMINE STRESS ECHOCARDIOGRAPHY  
**S. Gudibanda**, M. Torosoff, K. Bowe, J. Conklin, K. Daudiss, S.A. Fein  
Albany Medical Center, Albany, NY, USA 268
- 2 GENDER DIFFERENCES IN LEFT ATRIAL VOLUME BY ECHOCARDIOGRAPHY IN PATIENTS WITH FALSE POSITIVE MYOCARDIAL PERFUSION SCANS  
**R. Bhardwaj**, H. Dod, M. Finkel, N.C. Nanda, **I. Dar**, W. Gharib, R. Beto, A. Jain, West Virginia University, Morgantown, WV, USA 269
- 3 AORTIC ROOT DILATATION IS ASSOCIATED WITH AGE, GENDER, HIGH BMI AND AORTIC VALVE DISEASE  
**G. Parvizi**, C. Manrique, M. Hashemzadeh, M.R. Movahed  
University of Arizona Sarver Heart Center, Southern Arizona VA Health Care System, AZ, USA 270
- 4 THE RELATIONSHIP OF DIASTOLIC DYSFUNCTION WITH CLINICAL AND EXERCISE MEASUREMENTS IN PATIENTS WITH CHEST PAIN  
**M. Tucciarone**, M. Frederick, R. Bess, K. Narala, S. Szpunar, G. Cohen  
St. John Hospital and Medical Center, Detroit, MI, USA 271

## MONDAY, JULY 25, 2011

Board No		Abstract No.
5	RIGHT ATRIAL THROMBUS IN PATIENTS WITH TUNNELED CUFFED HEMODIALYSIS CATHETERS <b>M.A. Al Murayeh</b> , A.M. Al Masswary, M.S. Moselhy, K. Al Sheikh, M.A. Dardir, A.A. Youssef Armed Forces Hospital, Southern Region, Khamis Mushayt, Saudi Arabia	272
6	COMPARISONS OF SPECKLE TRACKING ECHOCARDIOGRAPHY, TISSUE DOPPLER IMAGING AND TRANSMITRAL PULSED-WAVE DOPPLER FOR ESTIMATION OF DIASTOLIC DYSFUNCTION IN PATIENTS WITH ACUTE CORONARY SYNDROME T. Ahamed Kassim, <b>S. Napan</b> , M.D. Greenberg, B. Curry Howard University Hospital, Washington, DC, USA	273
7	THE ROLE OF ECHOCARDIOGRAPHY IN PATIENTS WITH METABOLIC SYNDROME <b>S. Enar</b> , L. Sarac, Turkey Hospital, Istanbul, Turkey	274
8	DIASTOLIC STRAIN RATE AND DOPPLER PARAMETERS ARE ASSOCIATED WITH SCAR SIZE AND TRANSMURALITY IN ST-ELEVATION MYOCARDIAL INFARCTION PATIENTS <b>K. Karimzadeh</b> , D. Maland, E. Stautberg, A. Vasquez, H.V. Anderson, R.W. Smalling, L. Kramer, M. Vooletich, L. Moyee, C. Loghin University of Texas Health Science Center at Houston, Houston, TX, USA	275
<b>P501</b>	<b>NUCLEAR CARDIOLOGY</b>	
9	SIGNIFICANCE OF EXERCISE MYOCARDIAL SPECT IN IDENTIFYING THE CULPRIT VESSEL IN TRIPLE VESSEL DISEASE M.N. Haque, T. Francis, <b>S. Jaojaroenkul</b> , E.I. Kanawati, D.C. Zank, J.R. Halama, M.S. Gabriel, R.H. Wagner, F. Leya, J.T. Barron Loyola University Medical Center, Maywood, IL, USA	276
10	RADIONUCLIDE INVESTIGATIONS OF HEART IN PATIENTS WITH CORONARY HEART DISEASE AND POST-INFARCTION CARDIOSCLEROSIS AFTER CELL THERAPY G. Mirojov, <b>A. Dustov</b> , Z. Rahimov, M. Khidirov, N. Navjuronov, T. Gulmurodov, A. Barotov, S. Rahmonov, U. Bobokhojaev, M. Mirshahi Institute of Gastroenterology of the Ministry of Health of the Republic of Tajikistan	277
11	USING FRAMINGHAM RISK SCORE AND ANKLE BRACHIAL INDEX TO PREDICT CARDIAC STRESS TEST RESULTS IN ACUTE CHEST PAIN PATIENTS <b>L. Navaravong</b> , K. Nidamanuri, A. Al-Matrood, M. Singh, R.G. Ali, M.Z. Hoque, W.L. Hiser, A.S. Lotfi Baystate Medical Center, Springfield, MA, USA	278
12	DYNAMICS OF MYOCARDIAL PERFUSION ACCORDING TO DATA FROM MYOCARDIAL SCINTIGRAPHY USING TC99M WITH MIBI AMONG PATIENTS WITH CORONARY HEART DISEASE AND POSTINFARCTION CARDIOSCLEROSIS AFTER CELL THERAPY <b>A. Dustov</b> , G. Mirojov The Institute of Gastroenterology of the Ministry of Health, Dushanbe, Tajikistan	279

## MONDAY, JULY 25, 2011

### P207 PRIMARY PREVENTION OF CORONARY ARTERY DISEASE / RISK FACTORS FOR ATHEROTHROMBOTIC DISEASE

Board No		Abstract No.
13	SCREENING WOMEN FOR CORONARY HEART DISEASE RISK <b>J.C. McSweeney</b> , M.A. Cleves, E.P. Fischer, J. Wei University of AR for Medical Sciences, Little Rock, AR, USA	280
14	PREVALENCE OF CARDIOVASCULAR RISK FACTORS IN GUYANA, SOUTH AMERICA J.D. Silverman, S. Kestenbaum, R. Kloss, L. Linette, M. Chiang, L. Aronson, <b>M. Silverman</b> , S. Roth, Lakeridge Health Corp, Oshawa, Mount Sinai Hospital, University of Toronto, Canada	281
15	A RANDOMIZED CONTROLLED FIELD TRIAL ON BEHAVIORAL MODIFICATION INTERVENTION AMONGST ADOLESCENTS FOR CARDIOVASCULAR DISEASE PREVENTION IN ZAHEDAN, IRAN <b>F. Khoshkhou</b> , L. Rampal, H. Abdul Rahman, S. Vidyadaran, B. Abu Samah Faculty of Medicine and Health Sciences, Universiti Putra Malaysia, Malaysia	282
16	COMPARISON OF CAROTID INTIMA MEDIA THICKNESS (CIMT) OBTAINED AT HIGH FREQUENCY (14 MHZ) VS. STANDARD FREQUENCY (8MHZ) <b>K.M. Bhagirath</b> , S.J. Lester, J.A. Humphries, R.T. Hurst Mayo Clinic, Scottsdale, AZ, USA	283
17	HOW DOES CAROTID PLAQUE RELATE TO CLINICAL AND DIAGNOSTIC FINDINGS IN PATIENTS IN THE CHEST PAIN UNIT? <b>M. Tucciarone</b> , M. Frederick, R. Bess, S. Szpunar, G. Cohen St. John Hospital and Medical Center, Detroit, MI, USA	284
18	A GENERALIZED LINEAR MIXED MODELS APPROACH FOR DETECTING MYOCARDIAL INFARCTION MORTALITY AND MORBIDITY IN MAZANDARAN, IRAN, 2008-2009_ <b>A. Khalilian</b> , E. Ghorbanpour, M. Rahimi Janani Mazandaran Medical Sciences University, Iran	285
19	CARDIOVASCULAR RISK FACTORS IN YOUNG SAUDI ADULTS PRESENTED WITH ACUTE CORONARY SYNDROME <b>M.A. Al-Murayeh</b> , A.M. Al-Masswary, M.S. Moselhy, A.D. Dardir, A.A. Youssef Armed Forces Hospital, Southern Region, Khamis Mushayt, Saudi Arabia	286
20	SCREENING INDIA'S TWIN EPIDEMIC (SITE)-DIABETES MELLITUS AND HYPERTENSION: RESULTS FROM GUJARAT <b>S. Dani</b> , B. Saboo, M. Vadivale, S. Joshi on behalf of the SITE Gujarat Investigators Life Care Institute of Medical Sciences and Research, Ahmedabad, Gujarat, India	287

### P404 SYSTEMIC HYPERTENSION, BASIC AND CLINICAL

21	ALTERATION OF THE CIRCADIAN BLOOD PRESSURE PATTERN IN SUBJECTS WITH CHRONIC KIDNEY DISEASE A. Otero, J.J. Crespo, M. Dominguez, M.C. Castineira, A. Ferreras, A. Mojon, D.E. Ayala, J.R. Fernandez, <b>R.C. Hermida</b> , for the Hygia Project Investigators Complejo Bioengineering & Chronobiology Labs, University of Vigo, Vigo, Spain	288
----	--	-----

## MONDAY, JULY 25, 2011

Board No		Abstract No.
22	AGONISTIC ANGIOTENSIN II TYPE 1 RECEPTOR AUTOANTIBODIES IN PREECLAMPSIA COHORTS? <b>M. Adamczyk</b> , R.J. Brashear, S.C. Hsu, P.G. Mattingly Abbott Laboratories, Abbott Park, IL, USA	289
23	LOWER LEVEL OF ENOS AND C-TYPE NATRIURETIC PEPTIDE IN PATIENTS WITH ISOLATED SYSTOLIC HYPERTENSIVE <b>A.A. Alqasim</b> , Faculty of Medicine, Umm Alqura University, Makkah, Saudi Arabia	290
24	LOW CARDIAC OUTPUT IN ASYMPTOMATIC HYPERTENSIVE PATIENTS: A PRE-HEART FAILURE SYNDROME? <b>N.K. Agarwal</b> , S.K. Agarwal Rutgers University, Piscataway, Agarwal Health Center, East Orange, NJ, USA	291
25	BARK EXTRACT OF Terminalia arjuna PREVENTS HIGH SODIUM CHLORIDE INDUCED HYPERTENSION IN MALE ALBINO MICE K. Basu, <b>C.K. Manna</b> Department of Zoology, University of Kalyani, West Bengal, India	292
26	THE EFFICACY OF DIFFERENT FORMS OF VITAMIN D SUPPLEMENTATION TO REDUCE BLOOD PRESSURE IN INSTITUTIONALIZED ELDERLY <b>V. Mocanu</b> , C. Galesanu, R. Haliga, C. Stefanescu, M. Badescu Gr. T. Popa University of Medicine and Pharmacy, Iasi, Romania	293
<b>P304</b>	<b>PULMONARY ASPECTS, PULMONARY HYPERTENSION</b>	
27	PREDICTION OF OUTCOME BY RIGHT VENTRICULAR STRAIN IN PULMONARY ARTERIAL HYPERTENSION <b>E.L. Hardegee</b> , A. Sachdev, H.R. Villarraga, R.P. Frantz, M.D. McGoon, N.M. Ammash, R.B. McCully, P.A. Pellikka, J.K. Oh, G.C. Kane Mayo Clinic, Department of Medicine, Rochester, MN, USA	294
28	CORRELATION BETWEEN PCWP AND LVEDP IN PATIENTS WITH PULMONARY HYPERTENSION <b>V.K. Mukku</b> , W.I. Khalife, R. Merla University of Texas Medical Branch, Galveston, TX, USA	295
29	IMPROVED CELL SURVIVAL AND PARACRINE CAPACITY OF HUMAN EMBRYONIC STEM CELLS-DERIVED MESENCHYMAL STEM CELLS PROMOTES THERAPEUTIC POTENTIAL FOR PULMONARY ARTERIAL HYPERTENSION Y-L. Zhang, H-F. Tse, <b>Q-Z. Lian</b> , The University of Hong Kong, Hong Kong	296
30	CARDIAC MAGNETIC RESONANCE IMAGING ASSESSMENT OF RIGHT-TO-LEFT VENTRICULAR INTERACTION IN SLEEP APNEA PATIENTS WITH NORMAL PULMONARY PRESSURE <b>R.S. Marfatia</b> , S. Kumar, M. Rai, R. Feinn, E. Kaloudis, C. Yang, E. Avelar University of Connecticut Health Center, Farmington, CT, USA	297

## MONDAY, JULY 25, 2011

Board No		Abstract No.
31	DEVELOPMENT OF A CONTINUOUS MONITORING TECHNIQUE TO MEASURE ADEQUACY OF VENTILATION <b>J.E. Freeman</b> , A. Panasyuk, M. Lalli, S.V. Panasyuk, A. Nagpal, N. Steiger, J. Toy, A. Mattfolk, R. Lew Respiratory Motion, Lexington, MA, USA	298
32	PULMONARY HYPERTENSION IS A COMMON DISEASE: THE ARMADALE ECHO STUDY <b>G.A Strange</b> , D.A Playford, S. Stewart, A. Kent, J.A. Deague, E. Gabbay Monash University, Melbourne, Victoria, Australia	299
33	OBESITY IS STRONGLY ASSOCIATED WITH PRESENCE OF PULMONARY EMBOLISM <b>M.R. Movahed</b> , M. Hashemzadeh, M.R. Habibzadeh University of Arizona Sarver Heart Center, AZ, USA	300
34	ARE WE FOLLOWING PATIENT WITH PULMONARY EMBOLISM WELL ENOUGH? <b>A. Shah</b> , M. Uddin, B. Bhushan, N.P. Waterfield, E. Subkovas, P.K. Das, C.M. Bellamy, Glan Clwyd Hospital, Bodelwyddan, UK	301
<b>P307</b>	<b>SYNCOPE</b>	
35	DIAGNOSTIC PATTERNS AND MEDICAL COSTS IN THE EVALUATION OF SYNCOPE PATIENTS AT EMERGENCY DEPARTMENT <b>H. Yoon</b> , H.G. Song, J.S. Kim, M.J. Kang, J.U. Na, T.G. Shin, M.S. Sim, I.J. Jo, K.J. Song, Y.K. Jeong Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, South Korea	302
<b>P306</b>	<b>CARDIAC ARREST AND SUDDEN CARDIAC DEATH</b>	
36	IS QT-PROLONGATION A CHARACTERISTIC FEATURE OF SEVERE ANOREXIA NERVOSA <b>U.N. Sagar</b> , M.J. Krantz, A.L. Sabel, C.S. Long, J.T. Barbey, K.V. White, J.L. Gaudiani, P.S. Mehler Denver Health Medical Center and University of Colorado, Denver, CO, USA	303
37	EFFECTS OF THERAPEUTIC HYPOTHERMIA ON MYOCARDIAL REPOLARIZATION <b>T.A. Waters</b> , V.K. Khurana, M.P. Liakos, M.T. Torosoff Albany Medical Center, Albany, NY, USA	304
38	ANALYSIS OF CARDIOVASCULAR MORBIDITY AND SUDDEN DEATH RISK WITH RISPERIDONE AND PALIPERIDONE S. Gopal, D.W. Hough, K. Karcher, I. Nuamah, J. Palumbo, J.A. Berlin, A. Baseman, Y. Xu, <b>J. Kent</b> Janssen Research & Development, Titusville, NJ, USA	305

## MONDAY, JULY 25, 2011

Board No		Abstract No.
39	DAILY FLUCTUATIONS OF MICROVOLT T-WAVE ALTERNANS AS A MARKER FOR RISK ASSESSMENT IN BRUGADA SYNDROME <b>K. Suzuki</b> , T. Takagi, K. Maeda, H. Tatsumi, M. Yoshiyama Osaka City University, Osaka, Japan	306
<b>P509</b>	<b>CARDIAC ELECTROPHYSIOLOGY – ARRHYTHMIA ASSESSMENT AND PREVENTION</b>	
40	SIGNIFICANT ASSOCIATION OF RS13376333 IN KCNN3 ON CHROMOSOME 1Q21 WITH ATRIAL FIBRILLATION IN A TAIWANESE POPULATION <b>S.H. Chang</b> , J.J. Hwang, F.T. Chiang, C.D. Tseng, J.K. Lee, L.P. La, J.L. Lin, C.K. Wu, C.T. Tsai Lotung Poh-Ai Hospital, Yilan, Taiwan	307
41	ADENOSINE INDUCED LEFT ATRIAL- PULMONARY VEINS RECONDUCTION AFTER WIDE CIRCUMFERENTIAL ANTRUM ABLATION FOR PULMONARY VEIN ISOLATION USING REMOTE MAGNETIC CATHETER S.J. Pollak, J. Forsyth, H. Seckel, <b>G. Monir</b> Arrhythmia and Ablation Center, Florida Hospital Cardiovascular Institute, Orlando, FL, USA	308
42	CHALLENGES IN THE ADOPTION OF REMOTE MAGNETIC NAVIGATION TO PEDIATRIC ELECTROPHYSIOLOGY PRACTICE <b>A.C. Kean</b> , A.N. Kamp, M.J. LaPage, M. Dick, D.J. Bradley The University of Michigan, Ann Arbor, MI, USA	309
43	COMPARISON OF METOPROLOL VS. CARVEDILOL AS A PROPHYLAXIS FOR THE PREVENTION OF POST CABG ATRIAL FIBRILLATION M.F. Khan, <b>M.R. Movahed</b> University of Arizona Sarver Heart Center, Tucson, AZ, USA	310
44	ANGIOTENSIN BLOCKING DRUG THERAPY (ABDT) IS ASSOCIATED WITH POST OPERATIVE ATRIAL FIBRILLATION (POAF) IN CARDIAC SURGERY PATIENTS <b>A. Kannan</b> , N. Nagajothi, C. Poongkunran Canton Medical Education Foundation, Canton, OH, USA	311
45	CLINICAL AND PROGNOSTIC SIGNIFICANCE OF ATRIAL FIBRILLATION IN ACUTE MYOCARDIAL INFARCTION <b>F.P. Pollice</b> , P.P. Pollice, B.L. Leclercq Dept. of Cardiovascular Surgery, Private Clinic, Andria, Italy	312
46	POST CABG ATRIAL FIBRILLATION: IDENTIFICATION OF THE RISK FACTORS AND THE EFFECTIVENESS OF PROPHYLACTIC BETA BLOCKER THERAPY M.F. Khan, <b>M.R. Movahed</b> University of Arizona Sarver Heart Center, Tucson, AZ, USA	313
47	PRO-ARRHYTHMIC EFFECT OF HYPERCALCEMIA IN THE PRESENCE OF SOTALOL S. Kohli, X. Walker, <b>P. Voukydis</b> Mount Auburn Hospital, Cambridge, MA, Harvard Medical School, Boston, MA, USA	314

# MONDAY, JULY 25, 2011

14:00 – 16:15

Hall A

<b>PL:11 Plenary Session</b>		
<b>ATRIAL FLUTTER AND ATRIAL FIBRILLATION: PHARMACOLOGICAL AND NON PHARMACOLOGICAL THERAPY APPROACH</b>		
Chairpersons: <b>B.K. Kantharia</b> , Houston, TX, USA <b>N. Marrouche</b> , Salt Lake City, UT, USA		Abstract No.
14:00	NON-PHARMACOLOGICAL TREATMENT OF ATRIAL FLUTTER (Invited Lecture) <b>A.N. Shah</b> , Mount Sinai School of Medicine, Elmhurst Hospital Center, NY, USA	315
14:15	CURRENT TRENDS IN ABLATION OF ATRIAL FIBRILLATION (Invited Lecture) <b>K. Srivathsan</b> , Mayo Clinic, Phoenix, AZ, USA	316
14:30	ABLATION OF ATRIAL FIBRILLATION: ROLE OF INTRACARDIAC ECHOCARDIOGRAPHY (Invited Lecture) <b>B.K. Kantharia</b> , The University of Texas-Health Science Center at Houston, TX, USA	317
14:45	PERSONALIZED MANAGEMENT OF ATRIAL FIBRILLATION: AN IMAGING GUIDED APPROACH (Invited Lecture) <b>N. Marrouche</b> , University of Utah Health Sciences Center, Salt Lake City, UT, USA	318
15:00	ABLATION OF PERSISTENT ATRIAL FIBRILLATION USING PHASED RADIOFREQUENCY ABLATION TECHNIQUE (Invited Lecture) <b>T. Deneke</b> , University of Bochum, Germany	319
15:15	DYNAMICALLY SHAPED MAGNETIC FIELDS: DESCRIPTION AND INITIAL RESULTS OF A REAL-TIME, REMOTE EP CATHETER NAVIGATION SYSTEM (Invited Lecture) <b>E. Gang</b> , Geffen School of Medicine at UCLA, Los Angeles, CA, USA	320
15:30	AN EVALUATION OF PATENT FORAMEN OVALE CLOSURE USING RADIOFREQUENCY ABLATION DELIVERED WITH A ROBOTIC ARM <b>S.M.A. Sohaib</b> , B. Unsworth, K. Kulwant-Kaur, L. Malcolm-Lawes, P. Kanagaratnam, I.S. Malik, Imperial Healthcare NHS Trust, London, UK	321
15:45	SHORT DURATION, ORAL AMIODARONE FOR PREVENTION OF ATRIAL FIBRILLATION POST HEART SURGERY <b>C.C. Trotter</b> , J.H. Khan, T. Kowolaski, A. Modak, Y. Siddiqui, P.S. Lavigne, R. Sampath, E. Davis, W.H. Carter, Charleston Area Medical Center, Charleston, WV, USA	322
16:00	REMOTE CONTROL CATHETER ABLATION OF ACCESSORY PATHWAYS USING A MAGNETIC NAVIGATION SYSTEM: A COMPARISON OF EFFICACY AND SAFETY BETWEEN DIFFERENT LOCATIONS <b>P. Parwani</b> , N. Lippman, J. Dell'Orfano, E. Berns, R. Kahr, C. Hayes, B. Bernstein, A. Tolat University of Connecticut School of Medicine, Hartford, CT, USA	323
16:15	COFFE BREAK, VISIT POSTERS AND EXHIBITION	



<b>PL:12</b>	<b>Plenary Session</b>	
<b>HYPERTENSION, OBESITY, DIABETES, METABOLIC SYNDROME AND CAD</b>		
	Chairpersons: <b>M.A. Alpert</b> , Columbia, MO, USA <b>E. Barrett-Connor</b> , La Jolla, CA, USA	Abstract No.
14:00	INTERNATIONAL CAUSES AND CONSEQUENCES OF EPIDEMIC OBESITY AND DIABETES IN OLD AGE (Invited Lecture) <b>E. Barrett-Connor</b> , University of California, San Diego, La Jolla, CA, USA	324
14:15	OBESITY CARDIOMYOPATHY: CURRENT VIEWS (Invited Lecture) <b>M.A. Alpert</b> , University of Missouri School of Medicine, Columbia, MO, USA	325
14:30	THE CARDIO-METABOLIC SYNDROME FOLLOWING HEART TRANSPLANTATION -- INCIDENCE, IMPLICATIONS, AND MANAGEMENT (Invited Lecture) <b>M.R. Johnson</b> , University of Wisconsin Medical School, Madison, WI, USA	326
14:45	RENIN INHIBITION: WHAT HAVE WE LEARNED? (Invited Lecture) <b>A.H.J. Danser</b> , Erasmus Medical Center Rotterdam, The Netherlands	327
15:00	EPIGENETIC REGULATION OF PROINFLAMMATORY FACTORS IN DIABETIC HEART DISEASE (Invited Lecture) <b>X-Y. Yu</b> , J.L. Liang, Q.X. Lin, X.H. Li, Z.X. Shan, J.N. Zhu, M. Yang, Y. Li, S.G. Lin Medical Research Center of Guangdong General Hospital, China	328
15:15	CLINICAL SIGNIFICANCE OF EPICARDIAL ADIPOSE TISSUE AS A VISCERAL FAT DEPOT (Invited Lecture) <b>J. Shirani</b> , St. Luke's Hospital and Health Network, Bethlehem, PA, USA	329
15:30	INFLUENCE OF TIME-OF-DAY OF HYPERTENSION TREATMENT ON CARDIOVASCULAR RISK (Invited Lecture) <b>R.C. Hermida</b> , D.E. Ayala University of Vigo, Spain	330
15:45	CURRENT IMAGING TECHNIQUES FOR EVALUATION OF CORONARY ARTERY DISEASE IN DIABETIC PATIENTS (Invited Lecture) <b>A. Elhendy</b> , Marshfield, WI, USA	331
16:00	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

S30

Session

VALVULAR HEART DISEASE / HEART VALVE SURGERY

Chairpersons: **E. Bossone**, Lauro, Italy  
**A.A. Khattab**, Bern, Switzerland

Abstract No.

- |       |   |     |
|-------|---|-----|
| 14:15 | VALUE OF RISK ALGORITHMS IN PREDICTING EARLY AND LATE OPERATIVE OUTCOMES IN HIGH RISK PATIENTS UNDERGOING TRANSAPICAL AORTIC VALVE IMPLANTATION<br><b>J.M. Kim</b> , J.L. Soon, A. Cheung, S.V. Lichtenstein, D. Wood, J.G. Webb, J. Ye<br>St. Paul's Hospital, University of British Columbia, Vancouver, BC, Canada | 332 |
| 14:30 | Meaningful Use of EHR Enhances MVR outcomes analysis<br><b>J.C. Chen</b> , T.A. Pfeffer, R. Richter, Y. Chen, M-L. Kiley, H. Lee<br>Kaiser Permanente, The Permanente Medical Group, Oakland, CA, USA   | 333 |
| 14:45 | VERY-LOW-DOSE THERAPY IN ANTICOAGULATION OF PATIENTS WITH MECHANICAL HEART VALVE REPLACEMENT SUPPORTED BY TELEMEDICINE<br><b>H. Koertke</b> , T. Feige, L. Paluszkievicz, J. Koerfer, S. Secer, T. Wittlinger<br>Heart and Diabetes Center NRW, Bad Oeynhausen, NRW, Germany  | 334 |
| 15:00 | PSYCHOLOGICAL AND EMOTIONAL STATUS OF PATIENTS WITH CHRONIC MITRAL REGURGITATION: DOES THE MIND MATTER?<br><b>T. Topilsky</b> , M.R. Trenery, B.A. Eichhorn, M. Enriquez-Sarano<br>Mayo Clinic, Rochester, MN, USA  | 335 |
| 15:15 | PREDICTORS OF SEVERE TRICUSPID REGURGITATION IN PATIENTS WITH PACEMAKER OR AUTOMATED IMPLANTABLE CARDIOVERTOR-DEFIBRILLATOR LEADS: A RETROSPECTIVE CASE-CONTROL STUDY<br><b>M.Q. Najib</b> , S.S. Vittala, S. Challa, A. Raizada, H.R. Lee, H.P. Chaliki<br>Mayo Clinic, Scottsdale, AZ, USA                          | 336 |
| 15:30 | OUTCOMES OF A MINIMALLY INVASIVE APPROACH COMPARED WITH MEDIAN STERNOTOMY FOR THE EXCISION OF BENIGN CARDIAC MASSES<br><b>A.M. Pineda</b> , O. Santana, C. Zamora, A.M. Benjo, G.A. Lamas, J. Lamelas<br>Mount Sinai Heart Institute, Miami Beach, FL, USA  | 337 |
| 15:45 | IMPROVEMENT IN MITRAL INSUFFICIENCY BY EARLY STIMULATION OF THE LEFT VENTRICULAR FREE WALL<br><b>P. Voukydis</b> , K. Juliani, Harvard Medical School, Cambridge, MA, USA   | 338 |
| 16:00 | A NOVEL DIMENSIONLESS INDEX DERIVED FROM CONTINUOUS WAVE DOPPLER TO DEFINE SEVERE AORTIC VALVE STENOSIS<br><b>G.E. Valania</b> , G.H. Yao, W.H. Hiser, J.R. Cook, F. Saab, J. Friderici, L. Jiang<br>Baystate Medical Center, Tufts University, Springfield, MA, USA  | 339 |
| 16:15 | ECHOCARDIOGRAPHIC EVIDENCE OF AORTIC REGURGITATION IS HIGHER WITH SYNTHETIC ARTERIO-VEINUS GRAFTS COMPARED TO FISTULAS<br><b>B. Doherty</b> , A. Shetty, G.N. Nadkarni, G. Sandhu, A. Bansal, S. Cortell<br>St.Luke's Roosevelt Hospital Center, New York, NY, USA  | 340 |
| 16:30 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION  |     |

<b>S31</b>	<b>Session</b> <b>GENETIC DETERMINANTS OF HEART DISEASE, GENE AND CELL BASED THERAPIES, BASIC RESEARCH</b>	
	Chairpersons: <b>C.S. Long</b> , Denver, CO, USA <b>D.K. Singla</b> , Orlando, FL, USA	Abstract No.
14:00	HUMAN INDUCED PLURIPOTENT STEM CELL-DERIVED MESCENCHYMAL STEM CELLS ARE SUPERIOR TO ADULT BONE MARROW-DERIVED MESCENCHYMAL STEM CELLS IN THE TREATMENT OF LIMB ISCHEMIA Y.L. Zhang, F.Y. Lam, C.N. Lee, H.F. Tse, <b>Q. Lian</b> Dept. of Medicine, University of Hong Kong, Hong Kong, China	341
14:15	FRACTALKINE RECEPTOR (CX3CR1) POLYMORPHISM AND THE RISK OF CORONARY ARTERY DISEASE <b>H. Rai</b> , N. Singh, S. Kumar, A. Kapoor, S. Agrawal, N. Sinha Sanjay Gandhi PGIMS, Lucknow, UP, India	342
14:30	A GENOME-WIDE ASSOCIATION STUDY OF PLATELET COUNT AND MEAN PLATELET VOLUME IN AFRICAN AMERICANS <b>R. Qayyum</b> , D.M. Becker, A. Reiner, M.A. Nalls, A.B. Zonderman, M.K. Evans, M.A. Austin, J.G. Wilson, B.M. Snively, W. Tang, E. Ziv, . Liu, S. Ganesh, YL.C. Becker, Johns Hopkins School of Medicine, Baltimore, MD, USA	343
14:45	COST-EFFECTIVENESS OF GENETIC TESTING OF LPA VARIANTS ASSOCIATED WITH CORONARY HEART DISEASE N. Olchanski, <b>D. Shiffman</b> , J.J. Devlin, T.F. Goss Boston Healthcare Associates, Inc. Boston, MA, USA	344
15:00	MYOBLAST TRANSPLANTATION FOR HEART REPAIR <b>H.J. Leonhardt</b> , Bioheart Inc., Sunrise, FL, USA	345
15:15	CONNEXIN 43 OVEREXPRESSION ENSURES GAP JUNCTION FORMATION IN HUMAN MYOBLASTS AND IMPROVES HEART HEMODYNAMIC PARAMETERS N. Rozwadowska, T. Kolanowski, A. Waclawska, E. Szymczyk, J.D. Kasprzak, T. Mietkiewski, M. Rucinski, <b>M.K. Kurpisz</b> Institute of Human Genetics Polish Academy of Sciences, Poznan, Poland	346
15:30	LACK OF ASSOCIATION BETWEEN IL-1 BETA +3953 POLYMORPHISM WITH CORONARY ARTERY DISEASE IN INDIAN POPULATION <b>H. Rai</b> , S.Kumar, S. Agrawal, N. Sinha, Sanjay Gandhi PGIMS, Lucknow, UP, India	347
15:45	BETA 2-ADRENERGIC RECEPTOR POLYMORPHISM DOES NOT INFLUENCE HEART RATE RESPONSE DURING DOBUTAMINE- ATROPINE STRESS ECHOCARDIOGRAPHY <b>V. Cotarlan</b> , A. Brofferio, J. Sartorius, G. Gerhard, X. Chu, V. Butcher, S. Stein, J. Shirani, Geisinger Medical Center, Danville, PA, USA	348
16:00	ROLE OF LRP6 IN VASCULAR INTEGRITY AND ITS PERTURBATION BY ATHEROSCLEROSIS CAUSING R611C MUTATION A. Keramati, G.G. Go, R. Singh, R.P. Lifton, <b>A. Mani</b> Yale University School of Medicine, New Haven, CT, USA	349
16:15	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

**PL:13 Plenary Session**

**EPIDEMIOLOGY: NUTRITION, LIFESTYLE AND PREVENTION OF HEART DISEASE**

Chairpersons: **A.L. Klatsky**, Oakland, CA, USA  
**K. Prasad**, Saskatoon, Canada

Abstract No.

16:45	COFFEE, CAFFEINE, AND RISK OF ARRHYTHMIA (Invited Lecture) <b>A.L. Klatsky</b> , Kaiser Permanente Medical Center, Oakland, CA, USA	350
17:00	SUPPRESSION, REGRESSION AND SLOWING OF PROGRESSION OF ATHEROSCLEROSIS BY FLAXSEED AND ITS COMPONENTS (Invited Lecture) <b>K. Prasad</b> , University of Saskatchewan, Saskatoon, Canada	351
17:15	MAGNESIUM INTAKE AND CARDIOMETABOLIC DISEASE: TRANSLATION FROM OBSERVATION TO INTERVENTION (Invited Lecture) <b>Y. Song</b> , Brigham & Women's Hospital, Boston, MA, USA	352
17:30	A NEW LOOK FOR AN OLD DRUG: VITAMIN D IN PREVENTION OF CARDIOVASCULAR DISEASE (Invited Lecture) <b>L. Wang</b> , Brigham and Women's Hospital, Boston, MA, USA	353
17:45	CAN WE STOP THE IMPENDING FLOOD OF HEART FAILURE? (Invited Lecture) <b>P.A. Heidenreich</b> , Stanford University, VA Palo Alto Health Care System, Palo Alto, CA, USA	354
18:00	CORONARY ARTERY DISEASE – EASTERN END OF WESTERN DISEASE (Invited Lecture) <b>V. Puri</b> , Royal Lancaster Infirmary, University Hospital of Morecambe and Bay NHS Trust, Lancaster, UK	355
18:15	EFFECT OF RURAL-TO-URBAN WITHIN-COUNTRY MIGRATION ON CARDIOVASCULAR RISK FACTORS IN LOW AND MIDDLE INCOME COUNTRIES: A SYSTEMATIC REVIEW (Invited Lecture) <b>A.V. Hernandez</b> , Cleveland Clinic, Cleveland, OH, USA	356
18:30	AGING, MENOPAUSE AND ISCHEMIC HEART DISEASE MORTALITY: ANALYSIS OF 1915-1944 BIRTH-COHORTS FROM ENGLAND, WALES AND UNITED STATES <b>D. Vaidya</b> , D.M. Becker, V. Bittner, R.A. Mathias, P. Ouyang Johns Hopkins University School of Medicine, Baltimore, MD, USA	357
18:45	EFFECT OF A 6-MONTH EXERCISE-LIFESTYLE INTERVENTION ON PHYSICAL PERFORMANCE, CARDIOVASCULAR HEALTH, AND OVERALL WELL-BEING IN WOMEN AT RISK FOR CARDIOVASCULAR DISEASE: A PRELIMINARY REPORT <b>P.A. Marcovitz</b> , S.S. Billecke, M. Donnelly, B.A. Franklin William Beaumont Hospital, Royal Oak, MI, USA	358

S32

**Session**  
**RECENT ADVANCES IN CARDIAC IMAGING**

Chairpersons: **J.N. Bella**, New York, NY, USA  
**R. Krittayaphong**, Bangkok, Thailand

Abstract No.

- |       |  |     |
|-------|--|-----|
| 16:45 | <p>NORMAL STRESS-ONLY VERSUS STANDARD STRESS/REST MYOCARDIAL PERFUSION IMAGING: SIMILAR PATIENT MORTALITY WITH REDUCED RADIATION EXPOSURE<br/><b>J.J. Mahmarian</b>, S.M. Chang, F. Nabi, J. Xu<br/>Methodist DeBakey Heart &amp; Vascular Center, Houston, TX, USA</p>                              | 359 |
| 17:00 | <p>QUANTIFICATION OF LEFT VENTRICULAR VOLUME AND FUNCTION USING 3-DIMENSIONAL TRANSESOPIHAGEAL ECHOCARDIOGRAPHY<br/><b>M. Meng</b>, J. Tan, D. Kitzman, P. Kirkman, H. Deng, M. Pu, S. Ganhdi, R. Henderson<br/>Wake Forest University School of Medicine, Winston-Salem, NC, USA</p>                | 360 |
| 17:15 | <p>CHARACTERISATION OF THE INFLAMMATORY PROCESS IN ATHEROSCLEROTIC MODELS BY MRI AND SECARS MICROSCOPY<br/>L. Machtoub, <b>M. Michalska</b>, V. Herold, E. Bauer, P. Jakob, W. Bauer<br/>Universitätsklinik für Radiodiagnostik, Tirol, Austria</p>  | 361 |
| 17:30 | <p>LEFT VENTRICULAR OUTFLOW TRACT GEOMETRY SIGNIFICANTLY IMPACTS ON QUANTITATIVE DOPPLER ASSESSMENT<br/>H. Deng, D.W. Kitzman, P.M. Kirkman, <b>M. Meng</b>, P. Burgess, W. Little, M. Pu<br/>Wake Forest University School of Medicine, Winston-Salem, NC, USA</p>                                  | 362 |
| 17:45 | <p>DIAGNOSTIC ACCURACY OF DOBUTAMINE STRESS ECHOCARDIOGRAPHY FOR DETECTION OF CORONARY ARTERY DISEASE IN RENAL TRANSPLANT CANDIDATES: A METAANALYSIS<br/>A.M. Haftbaradaran, X. Tang, J. Sartorius, <b>J. Shirani</b><br/>Geisinger Medical Center, Danville, PA, USA</p>                            | 363 |
| 18:00 | <p>QUANTITATIVE CORONARY ANGIOGRAPHY (QCA) OF INDETERMINATE LEFT MAIN DISEASE CAN RELIABLY PREDICT SEVERITY<br/><b>C.L. Laham</b>, M.S. Chandra, M.J. McMahon, R. Venzon, M. Jerin, N.W. Shammass, St. Luke's Hospital, Cedar Rapids, IA, USA</p>  | 364 |
| 18:15 | <p>CARDIAC AMYLOIDOSIS POST CYBOR-D: DOPPLER ECHOCARDIOGRAPHY AND MYOCARDIAL MECHANICS<br/><b>N. Quader</b>, U. Jalal, C. Kendall, F. Mookadam, S. Schuster, J. Mikhael, R. Fonseca, A. Kalya, Mayo Clinic, Scottsdale, AZ, USA</p>  | 365 |
| 18:30 | <p>MYOCARDIAL DEFORMATION IMAGING CAN BE PERFORMED USING CONTRAST ECHOCARDIOGRAMS – FIRST RESULTS USING 2D CARDIAC PERFORMANCE ANALYSIS<br/><b>A. Huqi</b>, B. Klas, I. Paterson, M. Irween, J. Ezekovitz, J. Choy, H. Becher<br/>Mazankowski Alberta Heart Institute, Edmonton, Alberta, Canada</p> | 366 |

## MONDAY, JULY 25, 2011

Abstract No.

- 18:45 MRI-TAGGING REVEALS IMPACT OF BETA-BLOCKER THERAPY ON MYOCARDIAL ARCHITECTURE **367**  
**B. Schmitt**, P.P. Lunkenheimer, P. Steendijk, F. Berger, T. Kuehne  
Dept. of Congenital Heart Defects, German Heart Institute Berlin, Germany
- 19:00 COMBINED BRUCE PROTOCOL AND REGADENOSON FOR MYOCARDIAL PERFUSION STRESS TESTING: A NOVEL APPROACH **368**  
**S.D. Jerome**, J.S. Rogers, L.K. Black, S.A. Little, C.M. Jopek, R.J. Wagner  
University of Maryland, School of Medicine, Baltimore, MD, USA

---

**16:45 – 19:30**

**Hall C**

**S33**

**Session**

**ARRHYTHMIA II: DIAGNOSIS, DRUG THERAPY, ABLATION**

Chairpersons: **K. Srivathsan**, Phoenix, AZ, USA  
**M. Swissa**, Rehovot, Israel

- 16:45 SAFETY AND OUTCOME OF EPICARDIAL ABLATION OF VENTRICULAR TACHYCARDIAS **369**  
**M.H. Kanj**, O.M. Wazni, W.J. Saliba, B.M. Lindsay, A. Natale, P. Tchou  
Cleveland Clinic Cleveland, OH, USA
- 17:00 BERIPLEX P/N RESTORES HEMOSTASIS AFTER DABIGATRAN OVERDOSING IN AN ACUTE RABBIT BLEEDING MODEL **370**  
**S.H. Zeidler**, I. Pragst, B. Doerr, F. Kaspereit, W. Krege, J. van Ryn  
CSL Behring GmbH, Pharmacology/Toxicology, Marburg, Germany
- 17:15 POOR GLUCOSE CONTROL IS ASSOCIATED WITH QTC PROLONGATION IN CRITICALLY ILL PATIENTS **371**  
**D. Pickham**, E. Flowers, B.J. Drew  
School of Nursing, University of California, San Francisco, CA, USA
- 17:30 ELECTROPHYSIOLOGIC PROFILE OF ASYMPTOMATIC WOLFF-PAKINSON-WHITE SYNDROME IN PEDIATRIC POPULATION **372**  
**M. Swissa**, T. Dagan, E. Bruckheimer, E. Birk, R. Fogelman  
Kaplan Medical Center, Rehovot, Israel
- 17:45 REMOTE MAGNETIC NAVIGATION WITH INTRACARDIAC ULTRASOUND FOR ABLATION OF ATRIAL FIBRILLATION **373**  
B.F. Finta, **J. Postma**, P. Muthusamy, A. Davis, D.E. Haines  
West Michigan Heart, Grand Rapids, MI, USA
- 18:00 BETA BLOCKER PROPHYLAXIS FOR THE PREVENTION OF POST CABG ATRIAL FIBRILLATION; A META-ANALYSIS OF RANDOMIZED CONTROL TRIALS **374**  
M.F. Khan, **M.R. Movahed**, The Southern Arizona VA Health Care System,  
University of Arizona Sarver Heart Center, Tucson, AZ, USA
- 18:15 ARE POST-INFARCT VENTRICULAR ARRHYTHMIAS PREDICTIVE OF MORTALITY RISK IN PATIENTS WITH IMPAIRED EJECTION FRACTION? **375**  
**J.A. Chatterjee**, R. Sankaranarayanan, M. James, Royal Blackburn Hospital,  
Blackburn, UK

## MONDAY, JULY 25, 2011

Abstract No.

- 18:30 DO EMERGENCY DEPARTMENT (ED) PHYSICIANS CORRECTLY IDENTIFY PATIENTS PRESENTING WITH UNEXPLAINED SYNCOPE WHO WARRANT HOSPITALIZATION? **376**  
E. Aziz, **B. Prata**, C.K. Pamidimukala, J.H. Bastawrose, T. Park, J. Kim, J. Verzosa, C. Murphy, N. David, E. Herzog  
St. Luke's-Roosevelt Hospital Center, New York, NY, USA
- 18:45 HLA-B27-ASSOCIATED J-WAVE - RISK OR CURIOSITY? **377**  
**J. Ker**, University of Pretoria, Pretoria, South Africa
- 19:00 THE EFFECT OF EXERCISE ON RESTING ATRIAL FIBRILLATION RATE **378**  
**D. Bloomfield**, G. Goldman  
Richmond University Medical Center, Staten Island, NY, USA
- 19:15 HEART FAILURE RISK IN NORMAL-WEIGHT PEOPLE WITH METABOLIC SYNDROME COMPARED TO METABOLICALLY HEALTHY OBESE INDIVIDUALS **379**  
C. Voulgari, **I. Moysakis**, D. Papadogiannis, D. Tousoulis, P. Dilaveris, C. Stefanadis, N. Tentolouris  
Athens University Medical School, Athens, Greece



*Tourism Vancouver*

**P401 MOLECULAR AND CELLULAR CARDIOLOGY, BASIC RESEARCH**

Board No		Abstract No.
1	CARDIOMYOCYTE EXPRESSION OF HEAT SHOCK PROTEIN B8 K141N CAUSES CARDIAC DISEASE <b>A. Sanbe</b> , T. Marunouchi, K. Tanonaka, J. Yamauchi, H. Nishigori, A. Tanoue School of Pharmacy, Iwate Medical University, Iwate, Japan	380
2	PROBUCOL PREVENTS IFOSFAMIDE-INDUCED APOPTOSIS, OXIDATIVE INJURY AND ENERGY STARVATION IN RAT CARDIAC TISSUES <b>A.A. AlYahya</b> , M.M. Sayed-Ahmed King Saud University, College of Pharmacy, Saudi Arabia	381
3	MAGNITUDE AND SEVERITY OF MYOCYTE AUTOPHAGY ARE PROPORTIONAL TO THE DURATION OF CARDIOPLEGIC ARREST C. Chen-Scarabelli, L. Il Saravolatz, B. Ulgen, W. Qureshi, D. Vasquez, K. Abounit, L. Saravolatz, <b>T.M. Scarabelli</b> St John Hospital/Wayne State University, MI, USA	382
4	ATP DEPLETION OCCURRING DURING HYPOXIA ALONE MAY PREVENT BOTH THE INITIATION AND PROGRESSION OF MYOCYTE AUTOPHAGY K. Abounit, R. McCauley, L. Il Saravolatz, W. Qureshi, B. Ulgen, D. Vasquez, L. Saravolatz, C. Chen-Scarabelli, <b>T.M. Scarabelli</b> St John Hospital/Wayne State University, MI, USA	383
5	THE USE OF AUTOLOGOUS STEM CELLS CD133 + FOR REGENERATIVE TREATMENT OF CARDIO-VASCULAR DISEASES U. Kurbonov, <b>M. Khidirov</b> , S. Muminjonov, A. Didary, J. Irgasheva, M. Rahmatov, A. Gaibov, A. Barotov, Z. Rakhimov, M. Mirshahi Stem Cells Laboratory of Central Scientific Research Center of Avicenna Tajik State Medical University, Dushanbe, Tajikistan	384
6	ASSOCIATION OF THE CLUSTER OF DIFFERENTIATION FOURTEEN POLYMORPHISM WITH RISK FACTORS OF CARDIOVASCULAR DISEASE IN KOREAN <b>S.G. Kang</b> , W.C. Chung, SW. Song, S.J. Park The Catholic University of Korea, St. Vincent's Hospital, Suwon, South Korea	385
7	EPO PREVENTS APOPTOSIS VIA JAK2/STAT5 IN EXPERIMENTAL EPILEPSY <b>J. Li</b> , B.X. Ma, Q. Li, S.S. Wu First Hospital of Jilin University, Changchun, Jilin, China	386
8	TRACE ELEMENT STATUS IN PATIENTS WITH RHEUMATIC FEVER AND RHEUMATIC HEART DISEASE IN BANGLADESH <b>K.N. Choudhury</b> , R.S. Mahmud, A.K. Mitra, S. Zarin National Center for Control of Rheumatic Fever and Heart Diseases, Dhaka, Bangladesh	387



MONDAY, JULY 25, 2011

**P402 VASCULAR BIOLOGY, BASIC RESEARCH II**

Board No		Abstract No.
9	MODULATION OF POTASSIUM CHANNELS BSULFIDE IN NORMAL AND NaCl-LOADED MALE ALBINO RAT AORTIC RINGS <b>O.A.M Al-Habib</b> , A. Qadir University of Zakko, Kurdistan Region, Iraq	388
10	CYSTATIN-C OR MICROALBUMINURIA-A NEW MARKER OF ATHEROSCLEROSIS <b>N.N. Sharma</b> , R. Jain, Postgraduate Institute of Medical Sciences, Rohtak, Haryana, India	389
11	PROBUCOL INHIBIT VASCULAR SMOOTH MUSCLE CELL PROLIFERATION VIA UP-REGULATION OF KLF4 AFTER BALLOON INJURE OF RAT CAROTID ARTERIES <b>D. Hongmei</b> , H. Lan, D. Meng, W. Qian Institute of Cardiovascular Disease, XinQiao Hospital, Third Military Medical University, ChongQing, China	390
12	KRUPPEL-LIKE FACTOR 4 PROMOTES DIFFERENTIATION, PROLIFERATION AND ANGIOGENESIS OF ENDOTHELIAL PROGENITOR CELLS BY UP-REGULATING ENDOTHELIAL NITRIC OXIDE SYNTHASE <b>D. Hongmei</b> , H. Lan, D. Meng, S. Ming Institute of Cardiovascular Disease, XinQiao Hospital, Third Military Medical University, ChongQing, China	391
13	AGING EXAGGERATED PROLIFERATION OF VASCULAR SMOOTH MUSCLE CELLS IS RELATED TO ATTENUATION OF JAGGED1 EXPRESSION IN ENDOTHELIAL CELLS X.J. Wu, <b>L. Huang</b> , Y.Z. Zuo, J.B. Ge The Cardiovascular Center of Xinqiao Hospital, Third Military Medical University, Chongqing, China	392
<b>P502 CARDIAC CT, PET AND MRI</b>		
14	PERICARDIAL FAT VOLUME IS NOT ASSOCIATED WITH RECURRENCE OF ATRIAL FIBRILLATION AFTER ABLATION B.A. Ababneh, P.N. Tadros, D.R. Lakkireddy, L.H. Wetzel, <b>T.L. Rosamond</b> University of Kansas, Kansas City, KS, USA	393
15	INTEGRATED ASSESSMENT OF DIASTOLIC AND SYSTOLIC VENTRICULAR FUNCTION USING DIAGNOSTIC CARDIAC MAGNETIC RESONANCE CATHETERIZATION <b>B. Schmitt</b> , P. Steendijk, K. Lunze, S. Ovroutski, J. Falkenberg, P. Rahmanzadeh, N. Maarouf, P. Ewert, F. Berger, T. Kuehne Dept. of Congenital Heart Defects, German Heart Institute Berlin, Germany	394

## MONDAY, JULY 25, 2011

Board No		Abstract No.
16	OPTIMAL SCAN TIMING FOR ISCHEMIA DETECTION BY CT MYOCARDIAL PERFUSION IMAGING <b>K.T. Ho</b> , Q.W. Yong, C. Panknin Heart Consultants Pte Ltd, Mount Alvernia Hospital, Singapore	395
17	BETA2-ADRENERGIC RECEPTOR POLYMORPHISM ALTERS RESPONSE TO ACUTE BETA-BLOCKADE PRIOR TO GATED CORONARY COMPUTED TOMOGRAPHIC ANGIOGRAPHY V. Cotarlan, A. Brofferio, J. Sartorius, G. Gerhard, X. Chu, K. Clark, <b>J. Shirani</b> , Geisinger Medical Center, Danville, PA, USA	396
18	DIASTOLIC DYSFUNCTION IN LEFT BUNDLE BRANCH BLOCK: A CARDIOVASCULAR MAGNETIC RESONANCE IMAGING STUDY S. Kumar, <b>R.S. Marfatia</b> , D. Iyengator, R. Feinn, E. Kaloudis, C. Yang, E. Avelar, University of Connecticut Health Center, Farmington, CT, USA	397
19	STRESS CARDIAC MAGNETIC RESONANCE IN AN OUTPATIENT SETTING: A FIVE YEAR EXPERIENCE IN > 1300 PATIENTS <b>J.M. Sztajzel</b> , S. SuPrat-Gonzalez, A.A. Fassa, Y. Magliano, A. Naimi Centre de Diagnostic Radiologique de Carouge, Geneva, Switzerland	398
20	ASYMPTOMATIC PULMONARY EMBOLUS PATIENTS IN DEEP VEIN THROMBOSIS <b>M. Nakao</b> , N. Nakajima, T. Ogawa, S. Hoshino Fukushima First Hospital, Fukushima, Japan	399
21	CORONARY ARTERY CALCIFICATION AND ITS RELATION TO SYSTOLIC FUNCTION ESTIMATED BY MSCT IN CHRONIC CORONARY DISEASE <b>I.M. Burazor</b> , Z. Radovanovic, M. Burazor, P. Bosnjakovic, D. Ilic, S. Susak, M. Lazovic, Z. Perisic, Z. Burazor, N. Burazor Clinical Center Nis, Serbia,	400
22	CONTRAST DYNAMICS AND OPTIMAL CT SCAN TIMING FOR INFARCTION: LESSONS FROM THE DUAL SOURCE CT C. Panknin, Q.W. Yong, <b>K.T. Ho</b> Heart Consultants Pte Ltd, Mount Alvernia Hospital, Singapore	401
<b>P512</b>	<b>CAD: PROGNOSIS, RISK STRATIFICATION</b>	
23	DIASTOLIC FUNCTION IMPROVES PERFORMANCE OF THE GRACE RISK MODELS IN PATIENTS WITH NON-ST-ELEVATION ACUTE CORONARY SYNDROME <b>S. Napan</b> , T.A. Kassim, B. Curry, M.D. Greenberg Howard University Hospital, Washington, DC, USA	402
24	CLINICAL RISK STRATIFICATION IS SUPERIOR TO ROUTINE NON-INVASIVE TESTING FOR ACUTE CHEST PAIN <b>V. Cotarlan</b> , D. Ho, J. Pineda, B. Burgess, J. Shirani Geisinger Medical Center, Danville, PA, USA	403
25	DEPRESSION, METABOLIC SYNDROME AND OUTCOMES OF ACUTE CORONARY SYNDROME <b>Z. Yekta</b> , A. Rostamzadeh, R. Pourali Urmia University of Medical Sciences, Urmia, Iran	404

## MONDAY, JULY 25, 2011

Board No		Abstract No.
26	FEMALE GENDER IS NOT PREDICTIVE OF HOSPITAL MORTALITY AFTER CORONARY ARTERY BYPASS GRAFT SURGERY C. Chen-Scarabelli, L. Il Saravolatz, L. Saravolatz, G. Faggian, A. Mazzucco, <b>T.M. Scarabelli</b> , St John Hospital/Wayne State University, VA Ann Arbor Healthcare System, University of Michigan, USA, University of Verona, Italy	405
27	PREDICTION OF LENGTH OF STAY FOLLOWING ELECTIVE PERCUTANEOUS CORONARY INTERVENTION <b>A. Negassa</b> , S. Monrad Division of Biostatistics, Department of Epidemiology and Population Health, Albert Einstein College of Medicine, Bronx, NY, USA	406
28	LONG-TERM PREDICTORS OF MAJOR ADVERSE CARDIAC EVENTS IN AFRICAN-AMERICAN PATIENTS FROM AN URBAN CHEST PAIN UNIT S.A. Siddiqui, <b>S.M. Ahmad</b> , A.F. Alchakaki, N.V.A. Kommuri, V. Veeranna, S.J. Muddasser, R.K. Syed, A. Jahangir, S.A. Mahmood DMC Sinai Grace Hospital, Detroit, MI, USA	407
29	WHITE BLOOD CELL COUNT AND HS-CRP AS PREDICTORS OF SEVERITY OF CORONARY STENOSIS AND OUTCOMES IN PATIENTS WITH ACUTE CORONARY SYNDROME <b>M.C. Gonzales</b> , G.C. Vilela Philippine Heart Center, Quezon City, Philippines	408
30	PREDICTORS OF RE-ADMISSION IN AFRICAN-AMERICAN PATIENTS WITH LOW-MODERATE RISK CHEST PAIN N.V.A. Kommuri, <b>A.F. Alchakaki</b> , S.M. Ahmad, S.A. Siddiqui, V. Veeranna, S.J. Muddasser, R.K. Syed, A. Jahangir, S.A. Mahmood DMC Sinai Grace Hospital, Detroit, MI, Mayo Clinic, Scottsdale, AZ, USA	409
31	CATCH CAD - CORONARY CALCIUM SCORES AND THE CORRELATION WITH HS-CRP IN THE EARLY IDENTIFICATION OF CORONARY ARTERY DISEASE <b>N.T. Sunkara</b> , N. Nannapaneni, S.R. Devabhaktuni, K. Shetty, W.H. Resh, S. Malik, J. Narula, C.H. Ahsan University of Nevada School of Medicine, Las Vegas, Nevada, USA	410
32	PREDICTIVE ABILITY OF TIMI AND GRACE SCORING IN OUTCOMES OF PATIENTS WITH NON-ST ELEVATION MYOCARDIAL INFARCTION <b>I.P.N. Bundalian</b> , R.E. Ramboyong The Medical City, Cardiovascular Center, Pasig City, Philippines	411
<b>P407</b>	<b>PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY / CONGENITAL HEART DISEASE</b>	
33	SURGICAL REPAIR OF SEVERE COARCTATION OF THE AORTA IN INFANTS <b>K. Kirali</b> , M. Basaran, N. Cimen, S. Sarikaya, O. Kocamaz, A. Ak, T. Ozer, B. Ozbek, M. Kis, M. Sismanoglu Kartal Kosuyolu YIEA Hospital, Istanbul, Turkey	412
34	TRANSTHORACIC ECHOCARDIOGRAPHIC PREDICTORS OF SEVERE AORTIC ATHEROSCLEROSIS: A RETROSPECTIVE STUDY <b>T.A. Rousan</b> , B.M. Hawkins, P.M. Lozano University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA	413

## MONDAY, JULY 25, 2011

Board No		Abstract No.
35	INFANTS WITH PROTEIN ENERGY MALNUTRITION, CARDIAC ASPECT AND SYSTOLIC, DIASTOLIC FUNCTIONS AND LV MASS INDICES <b>S.S. Sheta</b> , H. Agha Cairo University Children Hospital, Cairo, Egypt	414
36	PLACEMENT OF CENTRAL CATHETERS IN PATIENTS WITH CONGENITAL HEART AND CENTRAL VENOUS DISORDERS: IMAGING, METHODS, TECHNIQUES, RESULTS <b>J. Tisnado</b> , J. Tisnado, D.J. Komorowski, M.K. Sydnor, W.C. Fox MCV Hospitals/VCU Medical Center, Richmond, VA, USA	415
P406	<b>PREDICTORS AND MARKERS OF HEART FAILURE OUTCOME</b>	
37	RISK STRATIFICATION WITH TIMI, PURSUIT AND GRACE AND BENEFIT OF EPLERENONE IN PATIENTS WITH POST-MI HEART FAILURE <b>J. Vincent</b> , S. Sutradha, F. Zannad Pfizer Inc, New York, NY, USA	416
38	HEIGHT AND RISK OF HEART FAILURE IN THE PHYSICIANS' HEALTH STUDY I <b>A.O. Akinkuolie</b> , A.O. Ashaye, J.M. Gaziano, L. Djousse Boston University School of Public Health, Boston, MA, USA	417
39	RDW CORRELATES WITH LEFT ATRIAL DIMENSION AND LVEDP IN CATHETERIZED PATIENTS WITH LEFT VENTRICULAR DYSFUNCTION F. Alattar, N. Imran, S. Usmani, <b>P. Patel</b> , F. Shamoon Trinitas Regional Medical Center, Seton Hall University, Elizabeth, NJ, USA	418
40	COMPARISON OF REST VERSUS STRESS INDUCED DYSSYNCHRONY AS A PREDICTOR OF RESPONSE TO CARDIAC RESYNCHRONIZATION THERAPY <b>V. Suma</b> , A. Shah, S. Bangalore, A.N. Makaryus, J.S. Steinberg, F.A. Chaudhry North Shore University Hospital, Manhasset, NY, USA	419
41	THE CHANGING LANDSCAPE - CHALLENGES AND OPPORTUNITIES FOR PALLIATIVE CARE IN THE HEART FAILURE POPULATION <b>M.P. Slawnych</b> University of Calgary, Calgary, Alberta, Canada	420
42	EFFECT OF OBESITY ON HEART FAILURE OUTCOMES IN A PREDOMINANTLY INNER CITY MINORITY COHORT <b>O. Odiete</b> , K. Taylor, C. Nwazue, H. Henderson, M. Wariboko, K. Figueroa, D.B. Sawyer, H. Okafor Meharry Medical College, Nashville TN, USA	421
43	HEART FAILURE SCREENING USING BREATH ANALYSIS <b>T. Mussivand</b> , I. Kandalajt University of Ottawa Heart Institute, Ottawa, ON, Canada	422



*Tourism Vancouver / John Sinal*

## MONDAY, JULY 25, 2011

### P310 MISCELLANEOUS

Board No		Abstract No.
44	ASSESSMENT OF OCCUPATIONAL ACTIVITY USING HEART RATE HISTOGRAMS <b>J.R. Wicks</b> , K. McKenna, S.T. McSorley, D.L. Craig Greenslopes Hospital, Brisbane, Queensland, Australia	423
45	CARDIAC MYXOMAS AMONG HISPANICS AND CAUCASIANS: THE MIAMI BEACH EXPERIENCE <b>A. Pineda</b> , A.M. Benjo, B. Correal, J. Reyna, F. Nascimento, J.C. Brenes Mount Sinai Medical Center - Columbia University, FL, USA	424



*Tourism Vancouver*



INTERNATIONAL ACADEMY OF CARDIOLOGY  
16th WORLD CONGRESS ON  
**HEART DISEASE**  
ANNUAL SCIENTIFIC SESSIONS 2011  

---

VANCOUVER, BC, CANADA, July 23-26, 2011

**SCIENTIFIC  
PROGRAM**

**Tuesday, July 26, 2011**

S  
C  
I  
E  
N  
T  
I  
F  
I  
C  
P  
R  
O  
G  
R  
A  
M





<b>PL:14</b>	<b>Plenary Session</b>	
	<b>NEW FRONTIERS IN HEART FAILURE AND CVD: NOVEL DISCOVERY APPROACHES, NEW MOLECULAR FINDINGS AND POTENTIAL TARGETS FOR THERAPY</b>	
	Chairpersons: <b>M.A. Rossi</b> , Ribeirao Preto, S.P., Brazil <b>H.N. Sabbah</b> , Detroit, MI, USA	
		Abstract No.
08:30	WHY DO HERG CHANNELS ACTIVATE SLOWLY? FLUORESCENCE SPECTROSCOPY AND GATING CURRENT MEASUREMENTS SHED NEW LIGHT ON VOLTAGE SENSOR-PORE COUPLING (Invited Lecture) <b>D. Fedida</b> , University of British Columbia, Vancouver, BC, Canada	425
08:45	EARLY CHANGES IN CARDIAC MITOCHONDRIAL CAPACITY DURING THE DEVELOPMENT OF DIASTOLIC HEART FAILURE (Invited Lecture) L. Zhang, C. Wagg, <b>G. Lopaschuk</b> , University of Alberta, Edmonton, AB, Canada	426
09:00	MITOCHONDRIAL ABNORMALITIES IN THE FAILING HEART: A POTENTIAL TARGET FOR THERAPY (Invited Lecture) <b>H.N. Sabbah</b> , R.C. Gupta, S. Rastogi, M. Wang Henry Ford Heart & Vascular Institute, Detroit, MI, USA	427
09:15	BIOLOGY OF AGING AND HEART FAILURE MANAGEMENT (Invited Lecture) <b>B.I. Jugdutt</b> , University of Alberta and Hospitals, Edmonton, Canada	428
09:30	EARLY DYSTROPHIN DISRUPTION IN THE PATHOGENESIS OF EXPERIMENTAL CHRONIC CHAGAS CARDIOMYOPATHY (Invited Lecture) C.M. Prado, M.R.N. Celes, L.M. Malvestio, J.S. Silva, L.A. Jelicks, H.B. Tanowitz, <b>M.A. Rossi</b> University of Sao Paulo, Ribeirao Preto, S.P., Brazil	429
09:45	MULTIPARAMETRIC APPROACH TO THE ANALYSIS OF THE NEUROHUMORAL STATUS IN HEART FAILURE (POSSIBLE MEANING AND CLINICAL USE OF INTERACTION AMONG THE MARKERS) (Invited Lecture) D. Anzulovi-Miroševi, M. Zaninotto, M.M. Mion, M. Plebani, <b>S. Dalla-Volta</b> , University of Padova Medical School, Padova, Italy	430
10:00	ARRHYTHMOGENIC RIGHT VENTRICULAR DYSPLASIA/ CARDIOMYOPATHY: NOVEL INSIGHTS IN A LIFE-THREATENING DISORDER (Invited Lecture) <b>L. Mestroni</b> , University of Colorado, Aurora, CO, USA	431
10:15	MECHANISMS DIABETIC CARDIOMYOPATHY: INSIGHTS FROM A NEW MURINE MODEL (Invited Lecture) <b>K.D. O'Brien</b> , W. Pichaiwong, J. Kim, A. Haw, B. Askari, T. Wietecha, K. Hudkins-Loya, C.E. Alpers University of Washington, Seattle, WA, USA	432

## TUESDAY, JULY 26, 2011

Abstract No.

- 10:30    CARDIOVASCULAR SIGNIFICANCE OF THE NATRIURETIC PEPTIDE SYSTEM (Invited Lecture) 433  
T. Tokudome, K. Kangawa **I. Kishimoto**  
National Cerebral and Cardiovascular Center, Suita City, Osaka, Japan
- 10:45    FINDING NEW TARGETS FOR HEART FAILURE: PROTEASE ACTIVATED RECEPTORS (Invited Lecture) 434  
**B.C. Blaxall**, University of Rochester Medical Center, Rochester, NY, USA
- 11:00    ADIPOSYTY-RELATED INFLAMMATION AND CARDIAC STRUCTURE AND FUNCTION (Invited Lecture) 435  
**M. Allison**, University of California San Diego, La Jolla, CA, USA
- 11:15    COFFEE BREAK, VISIT POSTERS AND EXHIBITION



*Tourism Vancouver/Dannielle Hayes*

**PL:15 Plenary Session  
CARDIOVASCULAR RISK ASSESSMENT**

Chairpersons: **R. Manfredini**, Ferrara, Italy  
**T. Tomaru**, Chiba, Japan

Abstract No.

- |       |  |     |
|-------|--|-----|
| 08:30 | WINTER AND VENOUS THROMBOEMBOLISM: A HARMFUL ASSOCIATION? (Invited Lecture)<br>F. Dentali, W. Ageno, <b>R. Manfredini</b> , University of Ferrara, Ferrara, Italy  | 436 |
| 08:45 | PROGRESS AND IMPORTANCE OF VASCULAR EVALUATIONS IN CARDIOVASCULAR DISEASES (Invited Lecture)<br><b>T. Tomaru</b> , T. Hirohashi, Toho University Sakura Hospital, Japan  | 437 |
| 09:00 | PERIPHERAL ARTERIAL AND VENOUS DISEASE AND MORTALITY IN A MULTI-ETHNIC POPULATION: THE SAN DIEGO POPULATION STUDY (Invited Lecture)<br><b>M.H. Criqui</b> , University of California, San Diego, La Jolla, CA, USA | 438 |
| 09:15 | NONSTEROIDAL ANTI-INFLAMMATORY DRUGS AND CARDIOVASCULAR RISK: WEIGHING THE EVIDENCE (Invited Lecture)<br><b>M. Farkouh</b> , Peter Munk Cardiac Centre, University Health Network, ON, Canada                      | 439 |
| 09:30 | CORONARY DISEASE IN WOMEN - HOW DOES IT DIFFER FROM MEN? (Invited Lecture)<br><b>K.A. Adarsh</b> , Govt. Medical College/G.N.D. Hospital, Amritsar, India  | 440 |
| 09:45 | ASSOCIATION BETWEEN CAROTID AND CORONARY STENOSIS – A NON-INVASIVE STUDY (Invited Lecture)<br><b>Y. Charuzi</b> , M. Carabeo, J. Mirocha UCLA School of Medicine, Los Angeles, CA, USA                             | 441 |
| 10:00 | PLASMA FOLATE AND HOMOCYSTEINE IN SMOKERS IN RELATION TO CARDIOVASCULAR DISEASE (Invited Lecture)<br><b>K. Okumura</b> , H Tsukamoto, Toki Municipal General Hospital, Toki, Gifu Prefecture, Japan                | 442 |
| 10:15 | ADIPONECTIN AND RISK OF HEART FAILURE IN THE PHYSICIANS' HEALTH STUDY (Invited Lecture)<br><b>L. Djousse</b> , J.B. Wilk, N. Hanson, R. Glynn, M. Tsai, J.M. Gaziano Brigham and Women's Hospital, Boston, MA, USA | 443 |
| 10:30 | ASSOCIATION BETWEEN PNEUMOCOCCAL VACCINATION AND ACUTE CORONARY SYNDROMES: REAL OR NOT? (Invited Lecture)<br><b>M. Zahid</b> , University of Pittsburgh, PA, USA   | 444 |
| 10:45 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |

**S34 Session  
INTERVENTIONAL CARDIOLOGY**

Chairpersons: **S.J. Brener**, Brooklyn, NY, USA  
**B.F. Uretsky**, Little Rock, AR, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 08:30 | ASSOCIATION OF SIGNIFICANT OBSTRUCTIVE CORONARY ARTERY DISEASE IN PATIENTS WITH DETECTIBLE LEVELS OF TROPONIN LESS THAN THE 99TH PERCENTILE ON A HIGH SENSITIVITY TROPONIN ASSAY<br>N. Adoni, W. Khalife, <b>V.K. Mukku</b><br>University of Texas Medical Branch, Galveston, TX, USA                            | 445 |
| 08:45 | PRE-HOSPITAL NOTIFICATION TO CARDIOLOGIST REDUCES DOOR-TO-BALLOON TIME IN ACUTE MYOCARDIAL INFARCTION<br><b>J.H. Choi</b> , K.S. Cha, H.W. Lee, M.J. Yang, J.H. Oh, J.H. Choi, H.C. Lee, T.J. Hong, S.J. Cho, J.S. Choi, Pusan National University Hospital, Busan, Korea  | 446 |
| 09:00 | MODERATE LESIONS ARE OFTEN SEVERE AND DIAGNOSABLE BY QUANTITATIVE CORONARY ANGIOGRAPHY (QCA)<br><b>C.L. Laham</b> , M.S. Chandra, M.J. McMahon, R. Venzon, M. Jerin, N.W. Shammass, St. Lukes Hospital, Cedar Rapids, IA, USA  | 447 |
| 09:15 | DIAGNOSTIC PROCEDURES WITH 4FR CATHETER BY FEMORAL APPROACH VS TRANSRADIAL APPROACH: COMPARATIVE STUDY<br><b>R.M. Valdesuso</b> , R.C. Rodriguez, F.J. Lacunza, J.R. Gimeno, J.A. Hurtado, J. Garcia de Lara, M. Valdes<br>Hospital Universitario Virgen de la Arrixaca, Murcia, Spain                           | 448 |
| 09:30 | PERIPHERAL ENDOVASCULAR INTERVENTIONS IN LIMB SALVAGE FOR CRITICAL LIMB ISCHEMIA: APPROACHING A NEW PARADIGM<br><b>M.J. Summers</b> , L.J. Diaz-Sandoval, J.A. Mustapha, C. Heaney<br>Metro Health Hospital, Wyoming, MI, USA  | 449 |
| 09:45 | REDUCED THROMBOGENICITY OF STENTS-IN VITRO AND IN VIVO EVALUATION OF SURFACE MODIFICATION AND COATING<br><b>R. Bakhshi</b> , B. Cousins, A. Darbyshire, G. Hamilton, A.M. Seifalian<br>Division of Surgery and Interventional Science, University College London, UK   | 450 |
| 10:00 | PROLONGED DUAL ANTI-PLATELET THERAPY PREVENTS VERY LATE STENT THROMBOSIS AFTER STENTING OF BIFURCATIONS WITH THE "CRUSH" TECHNIQUE" USING DRUG -ELUTING STENTS<br><b>S. Sharma</b> , K. Bhalla, A. Antonescu, B.K. Bhambi, W. Nyitray, K.R. Desai, T. Ishimori, Bakersfield Heart Hospital, Bakersfield, CA, USA | 451 |
| 10:15 | LOW-DOSE CT ASSESSMENT OF CORONARY STENTS IN A LARGE COHORT WITH HIGH-PITCH SPIRAL ACQUISITION MODE<br><b>K.T. Ho</b> , Q.W. Yong, C. Panknin<br>Heart Consultants Pte Ltd, Mount Alvernia Hospital, Singapore   | 452 |
| 10:30 | SPONTANEOUS CORONARY ARTERY DISSECTION: CASE SERIES WITH EXTENDED FOLLOW UP<br><b>P. Kansara</b> , S. Graham<br>The State University of New York at Buffalo, Williamsville, NY, USA  | 453 |
| 10:45 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION   |     |

<b>PL:16</b>	<b>Plenary Session</b>	
	<b>VALVULAR HEART DISEASE - TRANSLATIONAL SCIENCE FROM THE BENCH TO THE BEDSIDE</b>	
	Chairpersons: <b>D.M. Meyer</b> , Dallas, TX, USA <b>N.M. Rajamannan</b> , Chicago, IL, USA	Abstract No.
11:15	OXIDATIVE-MECHANICAL STRESS REGULATES BICUSPID AORTIC STENOSIS (Invited Lecture) <b>N. Rajamannan</b> , Northwestern University Feinberg School of Medicine, Chicago, IL, USA	454
11:30	IMPACT OF MITRAL VALVE REPAIR IN PATIENTS WITH END-STAGE CONGESTIVE HEART FAILURE (Invited Lecture) <b>D.M. Meyer</b> , .D. Nelson, P. Mikhael, M.A. Wait, M.E. Jessen University of Texas Southwestern Medical Center at Dallas, TX, USA	455
11:45	COMBINED STRUCTURAL HEART DISEASE INTERVENTIONS (Invited Lecture) <b>A.A. Khattab</b> , University Hospital, Bern, Switzerland	456
12:00	IMAGING OF THE AORTIC ROOT FOR TRANSCATHETER AORTIC VALVE IMPLANTATION (TAVI) (Invited Lecture) <b>S. Lerakis</b> , Emory University Hospital, Atlanta, GA, USA	457
12:15	TRANSCATHETER VALVE-IN-VALVE IMPLANTATION FOR FAILED BIOPROSTHESES (Invited Lecture) <b>J. Ye</b> , St. Paul's Hospital, Vancouver, BC, Canada	458
12:30	19 YEARS FOLLOW-UP RESULTS OF MITRAL BALLOON VALVULOPLASTY AND ITS EFFECT ON LEFT VENTRICULAR FUNCTION, SEVERE PULMONARY HYPERTENSION, AND SEVERE TRICUSPID REGURGITATION (Invited Lecture) <b>M. Eid Fawzy</b> , Sixth of October University, Egypt	459
12:45	RHEUMATIC FEVER: ANCIENT DISEASE GRIPPING THE DEVELOPING WORLD (Invited Lecture) <b>M. Atiq Ahmed</b> , Aga Khan University Hospital, Pakistan	460
13:00	RISK OF RE-OPERATION AFTER AORTIC VALVE REPLACEMENT BY A MOSAIC MEDTRONIC TISSUE VALVE <b>D.Y. Loisançe</b> , M. Kirsch, K. Nakashima, J. Wujila, S. Dreyfus Institute of Cardiology, Pitie, Paris	461
13:15	DEVELOPMENT OF A COMPLETELY AUTOLOGOUS VALVED CONDUIT WITH THE SINUS OF VALSALVA USING IN-BODY TISSUE ARCHITECTURE TECHNOLOGY <b>M. Yamanami</b> , M. Uechi, M. Fujiwara, H. Ishibashi-Ueda, K. Kanda, T. Watanabe, T. Tajikawa, K. Ohba, H. Yaku, Y. Nakayama Kyoto Prefectural University of Medicine, Kyoto, Japan	462

- 13:30 CORONARY ARTERY ANOMALIES IN PATIENTS WITH BICUSPID AORTIC VALVE DISEASE 463  
**T.H. Tajouri**, G. Kumar, W.D. Edwards, S. Phillips, K.W. Klarich  
 Mayo Clinic, Rochester, MN, USA
- 13:45 CEREBRAL ISCHEMIA IS ASSOCIATED WITH COGNITIVE DECLINE FOLLOWING CARDIAC VALVE SURGERY 464  
 P.A. Barber, **F.P. Milsom**, L.F. Tippett, A.F. Merry  
 University of Auckland, New Zealand

11:00 – 13:30

Hall B

**S35 Session**  
**HEART FAILURE, MECHANISMS AND MANAGEMENT**

Chairpersons: **B.I. Jugdutt**, Edmonton, AL, Canada  
**M.H. Pitzalis**, Greenville, NC, USA

- 11:00 COMBINED ENDURANCE-RESISTANCE TRAINING VERSUS ENDURANCE TRAINING IN PATIENTS WITH CHRONIC HEART FAILURE: A PROSPECTIVE RANDOMIZED STUDY 465  
**P.J.M. Beckers**, J. Denollet, N.M. Possemiers, F. Wuyts, C.J. Vrints, V.M. Conraads, Antwerp University Hospital, Edegem, Antwerp, Belgium
- 11:15 ECHOCARDIOGRAPHIC MEASURES OF SYSTOLIC AND DIASTOLIC FUNCTION AS PREDICTORS OF INCIDENT HEART FAILURE IN METABOLIC SYNDROME AND DIABETES 466  
 A.M. Donohue, D. Glovaci, J.M. Gardin, J.S. Gottdiener, T. Suzuki, **N. Wong**  
 University of California, Irvine, CA, USA
- 11:30 REGULATION OF ALDOSTERONE LEVELS BY ADRENAL BETAARRESTIN-1 AS A NEW MOLECULAR TARGET IN HEART FAILURE 467  
**A. Lympelopoulos**, G. Rengo, W.J. Koch  
 College of Pharmacy, Nova Southeastern University, Ft. Lauderdale, FL, USA
- 11:45 HIGH ADIPONECTIN LEVELS, A MARKER OF WASTING IN CHRONIC HEART FAILURE? 468  
**A.M. Van Berendoncks**, P. Beckers, V.Y. Hoymans, N. Possmiers, C.J. Vrints, J. Gielen, V.M. Conraads  
 Antwerp University Hospital, Antwerp, Belgium
- 12:00 THE IMPACT OF SERUM ALBUMIN ON MORTALITY AND HEART FAILURE HOSPITALIZATION IN PATIENTS WITH CHRONIC HEART FAILURE 469  
 V.M. Alla, **S. Kanuri**, Y.M. Reddy, R. Gangi, T. Ward, A. Mooss, C. Hunter, D. Esterbrooks, Creighton University Medical Center, Omaha, NE, USA
- 12:15 IMPACT OF LEFT VENTRICULAR CAVITY SIZE ON SURVIVAL IN ADVANCED HEART FAILURE 470  
**P.F. Pollice**, P.P. Pollice, L.B. Leclcq  
 Dept. of Cardiovascular Surgery, Private Clinic. Andria, BT, Italy

12:30	<p>PROGNOSTIC IMPLICATIONS OF SERUM HEAT SHOCK PROTEIN 60 LEVEL IN PATIENTS WITH HEART FAILURE  <b>C. Bonanad</b>, J. Nunez, J. Sanchis, V. Bodi, G. Minana, B. Mascarell, S. Ventura, P. Palau, P. Merlos, A. Llacer, Clinic Hospital Valencia, Spain</p>	471
12:45	<p>IRON DEFICIENCY WITH OR WITHOUT ANEMIA IS PRESENT IN MAJORITY OF HOSPITALIZED HEART FAILURE PATIENTS  <b>P. Muthusamy</b>, J. Sheagren, B. Van Over, A. Davis, V. Beals, A. Bhopalwala, M. Dickinson, Spectrum Health, Grand Rapids, MI, USA</p>	472
13:00	<p>“VALSALVA-CIRCULATION INDEX” A NEW NON-INVASIVE METHOD FOR DETERMINING THE ETIOLOGY OF UNEXPLAINED DYSPNEA  <b>H.J. Semler</b>, B.A. Borlaug, S. Scott, K. Nielson, L.E. Adams, A. From Oregon Health Science University, Portland, OR, USA</p>	473
13:15	<p>COMBINATION OF BNP AND VE/VCO2 IMPROVES RISK STRATIFICATION IN PATIENTS WITH DIASTOLIC HEART FAILURE  <b>L. Li</b>, J. Yan, S.J. Gong, Zhejiang Hospital, Hangzhou, China</p>	474

11:00 – 13:15

Hall C

**S36**

**Session**

**ACUTE CORONARY SYNDROME, ACUTE MYOCARDIAL INFARCTION, INTERVENTIONAL CARDIOLOGY**

Chairpersons: **Y. Birnbaum**, Houston, TX, USA  
**M.R. Movahed**, Tucson, AZ, USA

11:00	<p>PROTECTION FROM ISCHEMIA-REPERFUSION INJURY BY N-BENZYLADRIAMYCIN-14-VALERATE (AD198)  <b>J.E. Soberman</b>, N. Brydon, K.E. Lothstein, C. Cai, L. Lothstein, P.A. Hofmann University of Tennessee Health Science Center, Memphis, TN, USA</p>	475
11:15	<p>DOOR TO BALLOON TIME LESS THAN THIRTY MINUTES: THE LEHIGH VALLEY HEALTH NETWORK (LVHN) EXPERIENCE  <b>M.L. Sarkees</b>, M.W. Martinez, B. Feldman, J.P. Kleaveland, O. Rivera, M. Rossi, W. Combs, D.A. Cox, R. Freudenberger, N. Patel Lehigh Valley Health Network, Allentown, PA, USA</p>	476
11:30	<p>PREVALENCE OF CLOPIDOGREL HYPO-RESPONSIVENESS IN CORONARY STENT PATIENTS PRESENTING TO HOSPITAL EMERGENCY ROOM WITH CHEST PAIN  <b>R.K. Sharma</b>, H.K. Reddy, M. Moazazi, L. Elango, N. Karavadia, R. Lagaspi, R. Sharma, K. Singh, K. Williams, D.J. Voelker University of Arkansas for Medical Sciences, Little Rock, AR, USA</p>	477
11:45	<p>ROUTINE ANGIOPLASTY AFTER FIBRINOLYTIC THERAPY FOR ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION: AN UPDATED META-ANALYSIS (RAFT-STEMI)  <b>J.D.A. Magno</b>, J.D. Alcover, A.D.C. Javier, F.E.R. Punzalan Section of Cardiology, Department of Medicine, Philippine General Hospital, Manila, Philippines</p>	478

## TUESDAY, JULY 26, 2011

Abstract No.

- 12:00 ASSOCIATION OF SYMPTOM ONSET-TO-DOOR AND DOOR-TO-BALLOON TIME WITH ONE-YEAR MORTALITY IN MYOCARDIAL INFARCTION 479  
**H.W. Lee**, K.S. Cha, J.H. Choi, M.J. Yang, S.G. An, J.H. Oh, J.H. Choi, H.C. Lee, T.J. Hong, M.H. Jeong  
Busan National University Hospital, Busan, Korea
- 12:15 TIME DELAY FROM SYMPTOM ONSET TO HOSPITAL PRESENTATION WITH ST ELEVATION MYOCARDIAL INFARCTION AND 30-DAY MORTALITY 480  
**R. Dhingra**, J.F. Robb, J.E. Jayne, N.W. Niles II  
Dartmouth Hitchcock Medical Center, Lebanon, NH, USA
- 12:30 SOLUBLE LECTIN-LIKE OXIDIZED LDL RECEPTOR-1 IS A DIAGNOSTIC AND PROGNOSTIC BIOMARKER FOR ACUTE CORONARY SYNDROME 481  
**N. Kume**, Kyoto University, Kyoto, Japan
- 12:45 INFARCT RELATED ARTERY VERSUS MULTIVESSEL REVASCULARIZATION IN ACUTE STEMI WITH MULTIVESSEL DISEASE 482  
**H.W. Lee**, M.J. Yang, S.K. Ahn, B.W. Kim, J.H. Choi, J.H. Oh, J.H. Choi, H.C. Lee, K.S. Cha, T.J. Hong  
Busan National University Hospital, Busan, South Korea
- 13:00 MARKERS OF PLATELET ACTIVATION ARE HIGHER IN PATIENTS PRESENTING WITH ACUTE CORONARY SYNDROME 483  
**A. Shah**, B. Bhushan, P. Phillips, A. Gaba, P. Gaba, E. Subkovas, P.K. Das, C.M. Bellamy, D. Gooray, L. Green, Glan Clwyd Hospital, Bodelwyddan, UK



*Routledge / Tourism Vancouver*



**P504 INTERVENTIONAL CARDIOLOGY II**

Board No		Abstract No.
1	<p>CLOPIDOGREL HYPORESPONSIVENESS, INTERACTING WITH DIABETES MELLITUS, PREDICTS 2-YEAR CARDIOVASCULAR OUTCOME AMONG TAIWANESE POPULATION RECEIVING ELECTIVE PERCUTANEOUS CORONARY INTERVENTION  <b>P.Y. Liu</b>, L.J. Hsu, P.T. Lee, C.H. Lee, J.Y. Chen, Y.H. Liu, L.M. Tsai, J.H. Chen                      National Cheng Kung Univeristy Hopital, Tainan, Taiwan</p>	484
2	<p>THE EFFICACY AND SAFETY OF PRO-KINETIC METAL ALLOY STENT IN HOSPITALIZED PATIENTS WITH ACUTE ST-ELEVATION MYOCARDIAL INFARCTION (THE PROMETHEUS TRIAL)  <b>T.J. Youn</b>, S.Y. Lim, W.Y Chung, J.W. Bae, S.Y. Kim, K.S. Kim                      Seoul National University Bundang Hospital, Seongnam, Korea</p>	485
3	<p>DIRECT ADMISSION TO CATHETERIZATION LABOLATORY REDUCES DOOR-TO-BALLOON TIME FOR PRIMARY CORONARY INTERVENTION                      M.J. Yang, <b>K.S. Cha</b>, H.W. Lee, J.H. Choi, B.W. Kim, S.G. An, J.H. Oh, J.H. Choi, H.C. Lee, T.J. Hong                      Pusan National University Hospital, Busan, Korea</p>	486
4	<p>RCT DOUBLE BLIND 600MG CLOPIDOGREL VS 300MG IN PATIENTS UNDERGOING ELECTIVE PCI AT THE PHILLIPINE HEART CENTER  <b>K.H. Bantala</b>, J. Ho, J. Jumangit                      Philippine Heart Center, Manila, Philippines</p>	487
5	<p>OUTCOMES OF PATIENTS TREATED WITH THE EVEROLIMUS-ELUTING STENT AT A TERTIARY MEDICAL CENTER  <b>E. Nader</b>, G.A. Shammass, M. Jerin, N.W. Shammass                      Midwest Cardiovascular Research Foundation, Davenport, IA, USA</p>	488
6	<p>POLYMER FREE SIROLIMUS ELUTING STENT IN COMBINATION WITH OTHER STENTS IN SAME PATIENT- A SINGLE CENTRE EXPERIENCE  <b>S. Kumar</b>, H. Rai, A. Kapoor, S. Tewari, N. Sinha                      Sanjay Gandhi PGIMS, Lucknow, UP, India</p>	489
7	<p>NEW STENT DESIGN TO PERFORM SZABO TECHNIQUE  <b>R. Valdesuso</b>, F.J. Lacunza, J.R. Gimeno, J. Garcia, J. Hurtado, E. Pinar, M. Valdes                      Hospital Virgen de la Arrixaca, Murcia, Spain</p>	490
8	<p>COMPARATIVE ANALYSIS OF MORPHOLOGICAL EKG FINDINGS AND DOOR-TO-BALLOON TIME IN STEMI                      R.S. Marok, <b>M. Chandreshaken</b>, J.R. Cook, C. Arrieta-Garcia, L.W. Klein, P.J. Stecy, Illinois Masonic Medical Center, Chicago, IL, USA</p>	491

## TUESDAY, JULY 26, 2011

Board No

Abstract No.

- 9 PREDICTORS OF MAJOR ADVERSE CARDIAC EVENTS AND OUTCOMES OF RESCUE STENTING WITH IIB/IIIA GLYCOPROTEIN BLOCK IN PATIENTS WITH ST ELEVATION MYOCARDIAL INFARCTION **492**  
**D. Fetsner**, I. Pershukov, T. Batyraliev, L. Petrakova, I. Lazarev, J. Ramazanov, B. Kadyrov, D. Preobrazhensky, B. Sidorenko, Y. Belenkov  
Regional Clinical Hospital, Lipetsk, Russia,
- 10 FOUR YEAR OUTCOMES OF ENDOVASCULAR VERSUS OPEN REVASCULARIZATION FOR UNPROTECTED LEFT MAIN CORONARY ARTERY LESIONS **493**  
**A. Omarov**, T. Batyraliev, I. Pershukov, L. Petrakova, I. Lazarev, J. Ramazanov, B. Kadyrov, D. Preobrazhensky, B. Sidorenko, Y. Belenkov  
Syzganov Center of Surgery, Almaty, Kazakhstan
- 11 RETRIEVAL, REPOSITIONING, UNKNOTTING, AND STRIPPING OF INTRACARDIAC CATHETERS AND FOREIGN BODIES **494**  
**J. Tisnado**, D.J. Komorowski, M.K. Sydnor, J. Tisnado  
MCV Hospitals/VCU Medical Center, Richmond, VA, USA
- P305** **ATHEROSCLEROSIS: RENAL ASPECTS**
- 12 PROTEINURIA AND ESTIMATED GLOMERULAR FILTRATION RATE INDEPENDENTLY PREDICT RISK FOR ACUTE MYOCARDIAL INFARCTION IN A NORTHERN TAIWANESE POPULATION: A COMMUNITY-BASED STUDY IN KEELUNG TAIWAN **495**  
**S.H. Chang**, C.T. Tsai, A.M.F. Yen, T.H.H. Chen, C.D. Tseng  
Department of Internal Medicine, Lotung Poh-Ai Hospital, Yilan, Taiwan
- 13 RENAL INSUFFICIENCY AS AN IMPORTANT FACTOR TO CONSIDER FOR CARDIOVASCULAR RISK ASSESSMENT IN DETECTING AND DIFFERENTIATING STAGES OF CORONARY MICROVASCULAR DYSFUNCTION IN HYPERTENSION **496**  
**S. Imamura**, M. Orii, K. Ishibashi, K. Komukai, T. Tanimoto, Y. Ino, K. Hirata, M. Mizukoshi, T. Imanishi, T. Akasaka  
Wakayama Medical University, Wakayama, Japan
- P505** **DIABETES MELLITUS, THE METABOLIC SYNDROME AND ATHEROSCLEROSIS: BASIC AND CLINICAL II**
- 14 EVALUATION OF ENDOTHELIAL FUNCTION IN A PREDIABETES CLINIC POPULATION UNDERGOING DIETARY AND EXERCISE LIFESTYLE MODIFICATIONS **497**  
**F.D. Fortuin**, C. Kendall, J. Wisbey, R.T. Hurst, S.J. Lester, B.S. Chism, Q. Wu, M. Orban, D.E. Steidley, C. Cook, R. Burke, S. Bersoux  
Mayo Clinic Arizona, Phoenix, AZ, USA
- 15 THE EFFECT OF BODY MASS INDEX ON CLINICAL CHARACTERISTICS AND EARLY OUTCOME IN ACUTE CORONARY SYNDROME **498**  
**Z. Yekta**, K. Khademvatan, R. Pourali  
Urmia University, Urmia, Iran

## TUESDAY, JULY 26, 2011

Board No		Abstract No.
16	PREVALENCE OF UNRECOGNIZED DIABETES MELLITUS IN ACUTE CORONARY SYNDROME <b>W.K. Abdulatif</b> , A.A. Gehani, R.F. Al-Aqeedi, W.K. Dabdoob, A. Bener, H.A. Albinali Hamad Medical Corporation, Doha, Qatar	499
17	THE BENEFICIAL IMPACT OF SMOKING CESSATION ON DIABETIC COMPLICATIONS UPON DIAGNOSIS OF DIABETES <b>C. Voulgari</b> , N. Tentolouris, S. Chorepsima, P. Voidonikola, K. Alexiadou, N. Katsilambros Athens University Medical School, Greece	500
18	RISK FACTORS OF CARDIAC AUTONOMIC NEUROPATHY IN DIABETES <b>C. Voulgari</b> , I. Moyssakis, D. Papadogiannis, N. Katsilambros, N. Tentolouris Athens University Medical School, Greece	501
<b>P106</b>	<b>VALVULAR HEART DISEASE / HEART VALVE SURGERY</b>	
19	PATTERN OF VALVULAR INVOLVEMENT IN PATIENTS WITH RHEUMATIC HEART DISEASE (RHD) IN NEPAL <b>S.S. Dhakal</b> , S. Basnet, N.R. Shrestha, N. Bhatta, P. Karki B.P. Koirala Institute of Health Sciences, Nepal	502
20	DOES THROMBOCYTOPENIA AGGRAVATE EARLY OUTCOME AFTER AORTIC VALVE REPLACEMENT WITH A BIOPROSTHESIS <b>K Kirali</b> , E. Aksoy, F. Buyukbayrak, M. Yanartas, A. Elibol, T. Ozer, K. Boyacioglu, M. Kis, M. Sismanoglu, I. Mataraci Kartal Kosuyolu YIEA Hospital, Istanbul, Turkey	503
21	DOES INTERMITTENT FASTING INCREASE THE RISK OF PROSTHETIC MITRAL VALVE THROMBOSIS? <b>O.A. Rifaie</b> , A.M. Sami, A.H. Hamada, A.M. Ashraf Ain Shams University, Cairo, Egypt	504
22	INDUCED APOPTOSIS BY AN ESCHERICHIA COLI STRAIN IN AN EXPERIMENTAL ENDOCARDITIS MODEL <b>J.K. Olague Franco</b> , M. Dominguez-Hernandez, I. Hernandez Canaveral, O.M. Meilhac University of Guadalajara, Guadalajara, Jalisco, Mexico, INSERM U. 698, Paris, France	505
23	SUPERIOR VENA CAVA AND RIGHT ATRIUM WALL INFECTIVE ENDOCARDITIS IN HEMODIALYSIS PATIENTS: A CASE SERIES AND REVIEW OF LITERATURE <b>S.T. Thakar</b> , K.C. Janga, T. Tolchinsky, A. Sadiq, E. Lichstein, J. Shani Maimonides Medical Center, Brooklyn, NY, USA	506
24	PREVALENCE OF MITRAL VALVE PROLAPSE IN RUSSIAN POPULATION E.G. Malev, E.V. Zemtsovsky, S.V. Reeva, E.V. Timofeev, <b>M. Prokudina</b> Almazov Federal Heart, Blood and Endocrinology Centre, Russia	507

## TUESDAY, JULY 26, 2011

Board No		Abstract No.
25	AORTIC HOMOGRAFT IMPLANTATION IN A PATIENT WITH OSLER-WEBER-RENDU DISEASE AND INFECTIVE ENDOCARDITIS OF THE PREVIOUSLY IMPLANTED BIOPROSTHESIS <b>T. Habon</b> , L. Czopf, E. Varady, G. Bogats, K. Toth University of Pecs, Medical Center, Pecs, Hungary	508
26	SKELETAL FINDING IN PATIENTS WITH CALCIFIC AORTIC STENOSIS N.N. Parfenova, S.I. Khasanova, E.V. Zemtsovsky, <b>M. Prokudina</b> Almazov's Federal Centre of Heart, Saint-Petersburg, Russia	509
27	AORTIC ROOT REPLACEMENT WITH THE REIMPLANTATION PROCEDURE: SIMPLIFYING THE SIZING OF TUBULAR GRAFT <b>K. Kirali</b> , O. Kocamaz, F. Buyukbayrak, H. Sacli, E. Aksoy, M. Akbulut, B. Ozbek, M. Basaran, M. Sismanoglu, I. Mataraci Kartal Kosuyolu YIEA Hospital, Istanbul, Turkey	510
28	EFFECTS OF RIGHT CORONARY ARTERY INTERVENTION ON THE DEGREE OF MITRAL REGURGITATION W.I. Khalife, <b>V.K. Mukku</b> University of Texas Medical Branch, Galveston, TX, USA	511
29	PHYSICAL CAPACITY IN YOUNG AGE PERSONS WITH MITRAL VALVE PROLAPSE AND MARFANOID HABITUS S.V. Reeva, I.A. Pankova, E.G. Malev, A.L. Korshunova, E.V. Zemtsovskiy, <b>M. Prokudina</b> Almazov Federal Heart, Blood and Endocrinology Centre, St.Petersburg State Pediatric Medical Academy, St. Petersburg, Russia	512
30	SEPTAL DELINEATION TECHNIQUE DURING BALLOON MITRAL VALVOTOMY <b>Y.P. Sharma</b> , A. Subramaniyan, PGIMER, Chandigarh, India	513
<b>P507</b>	<b>CARDIOMYOPATHIES: VARIOUS ETIOLOGIES</b>	
31	DIFFERENTIAL DIAGNOSIS FOR DILATED CARDIOMYOPATHY FROM ISCHEMIC HEART DISEASE T. Hirohashi, K. Kurosu, K. Shimizu, <b>T. Tomaru</b> Dept of Clinical Physiology, Toho University Medical School, Sakura, Japan	514
32	MITRAL VALVE PROLAPSE CARDIOMYOPATHY E.G. Malev, E.V. Zemtsovsky, S.V. Reeva, E.V. Timofeev, <b>M. Prokudina</b> Almazov Federal Heart, Blood and Endocrinology Centre, St. Petersburg, Russia	515
33	IMPACT OF DELAYED DIAGNOSIS AND CARDIAC EVALUATION ON OUTCOME OF AMYLOIDOSIS B. Carlson, V. Cotarlan, <b>J. Shirani</b> Geisinger Medical Center, Danville, PA, USA	516
34	A RETROSPECTIVE STUDY ON THE PREVALENCE OF VENTRICULAR NON-COMPACTION IN A MEDICINE WARD <b>N. Mumoli</b> , M. Cei, A. Camaiti Department of Internal Medicine, Livorno, Italy	517
35	RELATIONSHIP OF SERUM ASYMMETRIC ARGININE LEVEL, LEFT VENTRICULAR HYPERTROPHY AND FUNCTION IN PATIENTS ON CHRONIC HEMODIALYSIS M.A. Bhariya, <b>O.A. Rifaie</b> , G.M. Abolazaim, Y.M. ElShahawy AinShams University, Cairo, Egypt	518

TUESDAY, JULY 26, 2011

**P208 HEART FAILURE – EPIDEMIOLOGY, PATHOPHYSIOLOGY AND THERAPIES**

Board No		Abstract No.
36	COMBINED COLLAGEN AND NEURO-HORMONAL BIOMAKERS ARE HIGHLY PREDICTIVE OF MORTALITY AND MORBIDITY OUTCOMES IN POST- MI HEART FAILURE <b>J. Vincent</b> , J. Cumps, F. Zannad, J-M. Ketelslegers Pfizer Inc, New York, NY, USA	519
37	CHANGES IN LEFT VENTRICULAR MECHANICS IN PATIENTS WITH OBSTRUCTIVE SLEEP APNEA <b>R. Tkacova</b> , G. Valocik, M. Brusik, Z. Sopkova, I. Tkac Medical Faculty, P.J. Safarik University, Kosice, Slovakia	520
38	IMPACT OF EXERCISE TESTING MODE ON EXERCISE PARAMETERS IN PATIENTS WITH CHRONIC HEART FAILURE <b>P.J.M. Beckers</b> , N.M. Possemiers, E.M. Van Craenenbroeck, A.M. Van Berendoncks, K. Wuyts, C.J. Vrints, V.M. Conraads Antwerp University Hospital, Edegem, University of Antwerp, Antwerp, Belgium	521
39	RESPIRATORY COMPENSATION POINT AND HEART RATE TURNING POINT PRECEDE THE SECOND LACTATE TURNING POINT IN PATIENTS WITH CHRONIC HEART FAILURE <b>P.J.M. Beckers</b> , N.M. Possemiers, E.M. Van Craenenbroeck, A.M. Van Berendoncks, K. Wuyts, C.J. Vrints, V.M. Conraads Antwerp University Hospital, Edegem, University of Antwerp, Antwerp, Belgium	522
40	OUTCOMES IN PATIENTS ON BETA BLOCKER AND COCAINE USE V.C. Nwazue, <b>O. Odiete</b> , E. Henderson, C. Mia, T. Ding, M.A. Wariboko, K. Taylor, H.E. Okafor Meharry Medical College, Nashville, TN, USA	530
41	ARTERIAL STIFFNESS IN PATIENTS WITH CORONARY ARTERY DISEASE AND HEART FAILURE <b>Y.M. Lopatin</b> , T.H. Temirsultanova Volgograd Regional Cardiology Center, Russia	523

## TUESDAY, JULY 26, 2011

### P510      ADVANCES IN CARDIAC SURGERY

Board No

Abstract No.

- 42      RADIAL ARTERY CONDUIT IMPROVES LONG-TERM SURVIVAL  
IN WOMEN 524  
**K.R. Dimitrova**, D.M. Hoffman, C.M. Geller, H. DeCastro, R.F. Tranbaugh  
Beth Israel Medical Center, New York, NY, USA
- 43      MINIMALLY INVASIVE APPROACH TO THE REPAIR OF ANOMALOUS  
CORONARY ARTERIES 525  
M. Takahashi, **G.H.L. Tang**, R.C. Reddy  
Mount Sinai Medical Center, New York, NY, USA
- 44      INFLUENCE OF GRAFT GEOMETRY ON HEMODYNAMICS IN A  
PROXIMAL AORTA – CORONARY BY-PASS GRAFT 526  
**V. Dehlaghi**, A. Roshani, T. Yosufi, F. Sabzi  
Kermanshah University of Medical Sciences, Kermanshah, Iran
- 45      OLD TIMER STRIKES A COMING BACK? THE EARLY AND MIDTERM  
RESULTS OF TOTAL AORTIC ARCH REPLACEMENT FOR AORTIC  
ANEURYSM WITHOUT CARDIOPULMONARY BYPASS 527  
**Z.G. Liu**, Q. Chang, J.M. Zhu, L.Z. Sun  
Chinese Academy of Medical Science and Fu Wai Hospital Beijing, China
- 46      A SINGLE INSTITUTION'S REVIEW OF IAA/VSD REPAIRS AND NEED  
FOR SURGICAL REINTERVENTION 528  
**A.A. Patel**, R. Walsh, S. Srivastava, Sinai Medical Center, New York, NY, USA

### P511      CARDIAC TRANSPLANTATION / MECHANICAL CIRCULATORY SUPPORT

- 47      DOES CYCLOSPORINE DOWN REGULATE IL-17A IN CARDIAC  
ALLOGRAFT VASCULOPATHY? 529  
**N. Nair**, L. Potena, S. Kumar, S. Gupta, F. Angeli, P. Romani, G.J. Dehmer  
Scott & White Hospital/TAMHSC, Temple, TX, USA











INTERNATIONAL ACADEMY OF CARDIOLOGY  
16th WORLD CONGRESS ON  
**HEART DISEASE**  
ANNUAL SCIENTIFIC SESSIONS 2011

---

VANCOUVER, BC, CANADA, July 23-26, 2011

I N D E X

**INDEX**



	<b>Program Page</b>
<b>A</b>	
Ababneh, B.A.	73
Abdul Rahman, H.	60
Abdulatif, W.K.	31,91
Abdullah, Z.A.	28
Abolazaim, G.M.	92
Abounit, K.	72
A-Breard, J.	43
Abu Samah, B.	60
Abulfazli, R.	42
Adamczyk, M.	30,61
Adams, L.E.	87
Adarsh, K.A.	83
Adoni, N.	84
Adrio, B.	43
Agarwal, N.K.	61
Agarwal, S.K.	61
Ageno, W.	83
Aggarwal, K.	53
Aggarwal, K.B.	44
Aggarwal, S.	27
Agha, H.	28,76
Agrawal, S.	37,38,67
Aguirre Palacios, F.A.	41
Ahamed Kassim, T.	59
Ahluwalia, A.	40
Ahmad, S.M.	75
Ahmadi, A.	44
Ahmed, A.M.	26
Ahmed, M.A.	85
Ahn, S.K.	88
Ahsan, C.H.	75
Ak, A.	51,75
Akasaka, T.	29,50,55, 90
Akbulut, M.	27,92
Akhtar, M.	32,33,56

	<b>Program Page</b>
Akinkuolie, A.O.	76
Aksoy, E.	51,91,92
Al Enazi, N.R.	44
Al Sheikh, K.	59
Al-Aqeedi, R.F.	31,91
Alattar, F.	76
Al-Awwad, O.	45
Albinali, H.A.	31,91
Albulushi, A.M.	44
Alchakaki, A.F.	75
Alcover, J.D.	87
Alexander, K.P.	42
Alexiadou, K.	91
Al-Habib, O.A.M.	73
Ali, H.Y.	28
Ali, I.	44
Ali, R.G.	59
Alidoosti, M.	41
Alipoor, S.	44
Alipour, M.	29
Alipour, N.	29
Al-Khalifa, R.	44
Al-Khatib, S.M.	33
Alla, V.M.	86
Allison, M.	82
Al-Masswary, A.M.	59,60
Al-Maturood, A.	59
Al-Murayeh, M.A.	59,60
Alp, M.	27
Alpers, C.E.	81
Alpert, M.A.	65
Alqasim, A.A.	61
Altieri, P.I.	31
Altman, E.	32
Alvarez, M.	33
AlYahya, A.A.	72
Amedeo, E.	45
Amina, S.	35
Ammash, N.M.	61

	<b>Program Page</b>
An, S.G.	88,89
Anavekar, N.S.	51
Anders, H.	64
Anderson, H.V.	59
Andreas, M.	25
Angeli, F.	94
Angomachalelis, I.N.	25
Angomachalelis, N.I.	25,35
Anninos, H.	52
Antonescu, A.	84
Anzulović-Mirošević, D.	81
Apostolov, E.O.	50
Aradhya, M.	45
Argianas, A.	57
Arndt, D.	41
Aronson, L.	60
Arora, S.	41
Arrieta-Garcia, C.	89
Arrington, C.B.	54
Arslan, A.	27
Asci, G.	50
Asgari, M.	32
Ashaye, A.O.	76
Ashlin, T.G.	57
Ashraf, A.M.	91
Askari, B.	81
Asoh, S.	30
Assal, C.	52
Austin, M.A.	67
Avelar, E.	35,40,61, 74
Axtell, K.	32,56
Ayala, D.E.	26,31,40, 60,65
Ayyadevara, S.	23
Aziz, E.	71
Azizi, F.	26
Azizian, A.	42

	<b>Program Page</b>
<b>B</b>	
Badescu, M.	61
Bae, J.W.	89
Bagchi, A.K.	37
Bajaj, A.	37
Baker, N.C.	52
Bakhshandeh, H.	42
Bakhshi, R.	84
Baliga, R.S.	40
Balijepalli, R.C.	35
Balijepally, G.	32
Balijepally, R.	32
Balkanay, M.	27
Balta, O.	64
Banchs, H.L.	31
Banchs, J.E.	32
Banerjee, S.	39
Bangalore, S.	76
Bansal, A.	66
Bansal, R.K.	53
Bantala, K.H.	89
Barber, P.A.	86
Barbey, J.T.	62
Bare, L.A.	45
Barotov, A.	30,31,59, 72
Barrett-Connor, E.	65
Barrington, L.	56
Barron, J.T.	59
Barsness, G.W.	39
Bartee, M.Y.	57
Barton, P.	38
Basaran, M.	75,92
Baschiera, F.	41
Baseman, A.	62
Basnakian, A.G.	50
Basnet, S.	91
Bastawrose, J.H.	71
Basu, K.	61

	<b>Program Page</b>
Batres, C.	52
Batyrallyev, T.	42,90
Bauer, E.	69
Bauer, W.	69
Beals, V.	87
Beaudoin, A.	43
Beaver, T.	57
Becher, H.	69
Becker, D.M.	67,68
Becker, L.C.	38,67
Becker, T.	32
Beckers, P.	86
Beckers, P.J.M.	53,86,93
Beekman, A.	45
Beerbaum, P.	54
Beldner, S.	32
Belenkov, Y.	42,90
Belhau, I.	44
Bell, A.	54
Bella, J.N.	49,69
Bellamy, C.M.	62,88
Bener, A.	31,91
Benjamin, N.	40
Benjo, A.M.	66,77
Berger, F.	70,73
Berlin, J.A.	62
Berman, D.S.	34
Bernabe-Ortiz, A.	68
Berndt, D.	45
Berns, E.	64
Bernstein, B.	64
Bersoux, S.	90
Bess, R.	58,60
Best, J.D.	26
Bestwick, J.P.	52
Beto, R.	58
Bhagirath, K.M.	60
Bhalla, K.	84
Bhambi, B.K.	84

	<b>Program Page</b>
Bhardwaj, R.	58
Bhariya, M.A.	92
Bhatia, A.	33
Bhatt, D.L.	42
Bhatt, D.V.	41
Bhatta, N.	91
Bhopalwala, A.	87
Bhushan, B.	62,88
Biederman, R.W.	35,49
Bigam, D.L.	54
Bijarnia, M.	41
Billecke, S.S.	68
Birk, E.	70
Birkenberg, B.	25
Birks, E.J.	52
Birnbaum, Y.	37,40,55, 87
Bittihn, P.	56
Bittner, V.	68
Black, H.R.	41
Black, L.K.	70
Black, M.J.	55
Blackberry, I.	26
Blaxall, B.C.	82
Blefari, V.	35
Bleyl, S.B.	54
Bloomfield, D.A.	71
Blossom, G.B.	51
Bobokhojaev, U.	59
Bodenschatz, E.	56
Bodi, V.	53,87
Bodisz, G.	31
Boergel, J.	41
Bogats, G.	91
Bogban, M.A.	29
Bonanad, C.	53,87
Bonavita, G.	57
Bondarenko, I.	27
Bonini, M.G.	37

	<b>Program Page</b>
Borer, J.S.	23,25
Borlaug, B.A.	87
Bosa Ojeda, F.	30
Bosch, X.	53
Bosnjakovic, P.	74
Bossone, E.	49,66
Bourge, R.C.	25,40
Bourous, D.E.	25
Bowe, K.	58
Bowles, N.E.	27,54
Boyacioglu, K.	91
Bradley, D.J.	28,63
Brashear, R.J.	30,61
Brener, S.J.	39,84
Brenes, J.C.	77
Brilakis, E.S.	39
Brofferio, A.	51,67,74
Brown, H.J.M.	53
Bruckheimer, E.	70
Brusik, M.	93
Brydon, N.	87
Buckley, M.L.	57
Bundalian, I.P.N.	75
Bünz, K.	64
Burazor, I.M.	74
Burazor, M.	74
Burazor, N.	74
Burazor, Z.	74
Burg, M.M.	52
Burgess, B.	74
Burke, R.	90
Busman, D.	45
Bussel, J.	58
Butcher, V.	67
Buyukbayrak, F.	91,92

**C**

Cai, C.	87
Cai, Q.	29

	<b>Program Page</b>
Calfon, M.A.	49
Camaiti, A.	92
Campbell, D.J.	55
Campos, E.C.	35
Cao, P.	26
Carlson, B.	92
Carter, W.H.	64
Cartwright, T.B.	45
Castillo, A.C.	37
Castineira, M.C.	26,31,60
Catino, A.B.	57
Cebanu, M.	31
Cei, M.	92
Celes, M.R.N.	35,81
Cha, K.S.	30,41,84, 88,89
Cha, Y.M.	56
Chakrabarti, S.	26
Chaliki, H.P.	66
Challa, S.	66
Chan, A.K.	44,53
Chambers, R.C.	40
Chandra, M.S.	29,69,84
Chandra, S.	34
Chandreshaken, M.	89
Chang, C.C.	31
Chang, C.S.	28
Chang, Q.	94
Chang, S.H.	63,90
Chang, S.M.	34,69
Chatterjee, J.A.	70
Chaudhry, F.A.	76
Chee, K.	45
Chen, H.	57
Chen, J.	58
Chen, J.C.	66
Chen, J.H.	89
Chen, J.Y.	89
Chen, M.F.	43

	<b>Program Page</b>
Chen, T.H.H.	90
Chen, Y.	38,66
Chen, Y-F.	50
Cheng, K.W.	43
Cheng, W.L.	31
Chen-Scarabelli, C.	53,72,75
Cherry, E M.	56
Chesebro, J.H.	55
Cheung, A.	51,66
Cheung, D.C.	54
Cheung, P.Y.	54
Chiang, F.T.	43,63
Chiang, M.	60
Chien, K.L.	43
Chism, B.S.	90
Cho, S.J.	84
Chockalingam, A.	44,53
Choi, J.H.	30,41,84, 88,89
Choi, J.S.	84
Choi, Y.S.	41
Chorepsima, S.	91
Choudhury, K.N.	72
Chow, J.	31
Choy, J.	69
Christianson, L.	44,53
Chu, X.	67,74
Chung, W.C.	72
Chung, W.S.	41
Chung, W.Y.	89
Cieri, E.	26
Cimen, N.	75
Clark, K.	74
Cleves, M.A.	60
Cohen, C.	29
Cohen, G.	58,60
Coles, D.	45
Combs, W.	87
Conklin, J.	58

	<b>Program Page</b>
Conraads, V.M.	53,86,93
Cook, C.	90
Cook, J.R.	66,89
Cooley, R.	33
Corbascio, M.	37
Correal, B.	77
Cortell, S.	66
Cotarlan, V.	67,74,92
Cousins, B.	84
Cox, D.A.	87
Cozma, A.	31
Craig, D.L.	77
Crespo, J.J.	60
Criqui, M.H.	83
Cumps, J.	93
Cunha, F.Q.	35
Curry, B.	59,74
Czopf, L.	91

## **D**

Dabdoob, W.K.	31,91
Dabous, T.	43
Dagan, T.	70
Dalla-Volta, S.	35,81
Dandamudi, G.	56
Dangas, G.	58
Dani, S.	60
Daniello, K.	44
Danser, A.H.J.	65
Dar, I.	58
Darbyshire, A.	84
Dardir, A.D.	60
Dardir, M.A.	59
Das, D.K.	37,55
Das, P.K.	62,88
Daudiss, K.	58
David, N.	71
Davidson, K.W.	52
Davis, A.	70,87

	<b>Program Page</b>
Davis, E.	64
Davis, J.	57
De Castro, H.	51
De Keyzer, D.	50
De Rango, P.	26
Deague, J.A.	40,62
DeCastro, H.	51,94
Dedemoglu, M.	27,51
Dehlaghi, V.	94
Dehmer, G. J.	94
Delgado, G.A.	35
Delgado, J.F.	25
Delius, R.E.	27
Dell'omo, G.	27
Dell'Orfano, J.	64
Dellsperger, K.C.	44,53
Denardo, S.C.	44
Deneke, T.	64
Deng, H.	69
Deng, M.	73
Denollet, J.	53,86
Dentali, F.	83
Desai, K.R.	84
Desai, S.	32
Deshpande, A.	68
Devabhaktuni, S.R.	75
Devlin, G.	55
Devlin, J.J.	45,67
Dhakar, S.S.	91
Dhalla, N.S.	23,24
Dhingra, R.	57,88
Diacovo, T.	58
Diamond, P.	34
Diaz-Sandoval, L.J.	84
Dick, M.	28,63
Dicken, B.	54
Dickinson, M.	87
Didary, A.	31,72
Didory, A.	30,42

	<b>Program Page</b>
Diez, J.G.	55
Dilaveris, P.	71
Dimitrova, K.R.	51,94
Ding, T.	93
Djousse, L.	76
Dod, H.	58
Doerr, B.	70
Doherty, B.	66
Dominguez, M.	60
Dominguez-Hernandez, M.	91
Donnelly, M.	68
Donnelly, T.T.	44
Donohue, A.M.	86
Dorr, M.I.	54
Doyle, I.C.	44
Doyle, M.	35
Drew, B.J.	70
Dreyfus, S.	85
Ducharme, A.	33
Dudley, S.C.	37
Dumitrescu, S.	29
Duru, F.	33
Dustov, A.	59
Dvoracek, L.	51
<b>E</b>	
Eagan, C.E.	34
Eapen, D.J.	26
Edwards, W.D.	86
Eichhorn, B.A.	66
Eigenbrodt, M.L.	50
El-Akawi, Z.	30
Elango, L.	87
Eldstrom, J.	37
Elefteriades, J.A.	23,53
Elhendi, A.	331
Elibol, A.	27,51,91
Elkharbotly, A.	32
EIShahawy, Y.M.	92



	<b>Program Page</b>
Elsheikh, E.	37
Emmott, A.A.	58
Enar, S.	59
Enjuanes Grau, C.	30
Enriquez-Sarano, M.	66
Erkin, A.	51
Esmat, A.	28
Espinosa, R.E.	51
Esterbrooks, D.	86
Evans, M.K.	67
Ewert, P.	73
Ezekowitz, J.	69
 <b>F</b>	
Faggian, G.	53,75
Fakorede, F.A.	45
Falkenberg, J.	73
Fang, A.	44
Faraji, R.	44
Faridnia, F.	44,57
Farkouh, M.E.	83
Farmer, D.M.	32
Fassa, A.A.	74
Fatima, M.	32,42
Fawzy, M.E.	85
Fayaz, F.	44,57
Fedderly, R.T.	27
Fedida, D.	37,81
Feige, T.	66
Fein, S.A.	58
Feinn, R.	35,40,61, 74
Feldman, B.	87
Feltes, T.F.	54
Fenton, F.H.	56
Fernandez Lopez, L.	42
Fernandez, J.R.	40,60
Ferrer Hita, J.J.	30
Ferreras, A.	60

	<b>Program Page</b>
Fettser, D.	90
Figueroa, K.	76
Filep, J.G.	55
Finkel, M.	58
Finta, B.F.	70
Fischer, A.	33
Fischer, E.P.	60
Fischer, H.	37
Flowers, E.	70
Fogelman, R.	70
Follath, F.J.	25
Fonseca, R.	69
Fontao, M.J.	31,40
Forsyth, J.	63
Fortuin, F.D.	90
Fox, W.C.	76
Francis, T.	59
Franco-Cereceda, A.	37
Franklin, B.A.	68
Frantz, R.P.	40,61
Frederick, M.	58,60
Freeman, J.E.	62
Freudenberger, R.	87
Frias M.E.	34
Friderici, J.	66
Friedlander, I.	57
Friedmann, P.	51
From, A.	87
Fujiwara, M.	85
Fung, G.L.	23,40,55
Furler, J.	26
Fuster, V.	36
 <b>G</b>	
Gaba, A.	88
Gaba, P.	88
Gabbay, E.	40,62
Gabriel, M.S.	59
Gaibov, A.	30,42,72

	<b>Program Page</b>
Gajanana, D.	45
Galesanu, C.	61
Gallardo, G.K.	27
Gallerani, M.	30
Ganesh, S.	67
Gang, E.	64
Gang, Z.	43
Gangi, R.	86
Ganhdi, S.	69
Garcia Alvarez, A.	53
Garcia de Lara, J.	84
Garcia, J.	41,89
Garcia-Palmieri, M.	31
Gardin, J.M.	86
Gaskin, P.R.A.	54
Gaudiani, J.L.	62
Gaziano, J.M.	76
Ge, J.B.	73
Gehani, A.A.	31,91
Geller, C.M.	51,94
Genead, R.	37
Genze, F.	37
Gerhard, G.	67,74
Gertz, S.D.	50
Ghafoor, J.	41
Gharib, W.	58
Ghasemi, M.	42
Ghassemian, H.	44,57
Ghorbanpour, E.	60
Gibb, M.D.	41
Gibler, W.B.	42
Gielen, J.	86
Gilani, S.A.	29
Gilbert, K.	43
Gill, R.S.	54
Gilmour R.F. Jr	56
Gimbel, J.R.	33
Jimeno, J.R.	41,84,89
Glovaci, D.	86

	<b>Program Page</b>
Go, G.G.	67
Godbout, R.	43
Goh, P.P.	31
Goldberg, R.J.	31
Goldman, G.	71
Gomara, S.M.	31
Gong, S.J.	87
Gonzales, M.C.	75
Gonzalez, J.A.	31
Gonzalez, M.D.	32
Gooray, D.	88
Gopal, S.	62
Gordon, P.C.	35
Gorni, S.	33
Goss, T.F.	67
Goswami, R.	55
Gottdiener, J.S.	86
Graham, S.	84
Grant, S.B.	35
Granua, G.	44
Greason, K.L.	51
Green, L.	88
Green, S.	32
Greenberg, M.D.	59,74
Greenleaf, J.F.	49
Greil, G.F.	54
Grigel, C.L.	57
Grinnemo, K.H.	37
Gu, L.	37
Gudibanda, S.	58
Guerra, C.	44
Gulmuradov, T.	30,42
Gulmurodov, T.	59
Gupta, P.R.	53
Gupta, R.C.	81
Gupta, S.	94

	<b>Program Page</b>
<b>H</b>	
Habibzadeh, M.R.	62
Habon, T.	91
Hacker, T.A.	35
Hadaegh, F.	26
Haftbaradaran, A.	56,69
Hage, F.G.	50
Haghnegahdar, M.	58
Hailan, A.	32
Haines, D.E.	70
Haj Sadeghi, S.	42
Hajizeinali, A.M.	41
Halama, J.R.	59
Haliga, R.	61
Hall, J.L.	38
Hall, R.	56
Hama, S.	58
Hamada, A.H.	91
Hamaoka, K.	27
Hamilton, G.	84
Hamza, H.	28
Han, Y.	58
Hanis, C.	34
Haque, M.N.	59
Hardegree, E.L.	61
Harel, F.	33
Harhun, M.I.	37
Hartyanszky, I.	51
Hashemi-Fesharaki, S.	42
Hasheminia, M.	26
Hashemzadeh, M.	58,62
Hassan, A.H.	44
Hatami, M.	26
Hauser, J.	27
Haw, A.	81
Hawkins, B.M.	75
Hayes, C.	64
Hayes, S.N.	51

	<b>Program Page</b>
Hayrapetyan, H.G.	30
Heaney, C.	84
Heathfield, E.L.	54
Heidari-Aghdam, B.	42
Heidenreich, P.A.	68
Heilbron, B.	44
Hein, T.W.	50
Henderson, E.	93
Henderson, H.	76
Henderson, R.	69
Hepp, D.	56
Her, S.H.	41
Heras, M.	53
Hermida, R.C.	26,31,40, 60,65
Hernaiz, S.	26
Hernandez Canaverall, I.	91
Hernandez Garcia, C.	30
Hernandez, A.V.	68
Herold, V.	69
Herzog, E.	71
Hetzer, R.	51
Hii, J.	26
Hikoso, S.	24
Hioki, H.	30
Hirata, K.	29,50,90
Hirohashi, T.	42,83,92
Hirsh, J.	32
Hiser, W.H.	66
Hiser, W.L.	59
Ho, D.	74
Ho, J.	89
Ho, K.T.	74,84
Ho, Y.Y.	43
Hobbs, A.J.	40
Hoffman, D.M.	51,94
Hofmann, P.A.	87
Holvoet, P.	50

	<b>Program Page</b>
Hong, T.J.	30,41,84, 88,89
Hongmei, D.	28,43,73
Hoque, M.Z.	59
Horkay, F.	51
Horlitz, M.	64
Hornick, M.	53
Hornung, D.	56
Hoseini, K.	41
Hoshino, S.	74
Hough, D.W.	62
Hough, G.	58
Hoymans, V.Y.	86
Hsu, H.C.	43
Hsu, L.J.	89
Hsu, S.C.	30,61
Htun, W.	45
Hu, C.P.	23
Huang, C.H.	31,43
Huang, C.S.	28,43
Huang, H.D.	55
Huang, L.	73
Hudkins-Loya, K.	81
Hulsmans, M.	50
Humphries, J.A.	60
Hunter, C.	86
Huqi, A.	69
Hurst, R.T.	60,90
Hurtado, J.	41,89
Hurtado, J.A.	84
Hussain, A.	37
Hussain, T.	54
Hussein, Y.	28
Hwang, J.J.	63

## **I**

Iakoubova, O.A.	45
Idikio, H.	24
Idris, Z.	44

	<b>Program Page</b>
Igrasheva, J.	31
Ikeda, U.	30
Iliadis, E.L.	45
Ilic, D.	74
Imamura, S.	90
Imanishi, T.	29,50,90
Imberti, D.	30
Imran, N.	76
Inigo Garcia, L.	42
Ino, Y.	29,50,90
Iravavian, S.	37
Irgasheva, J.	30,42,72
Irween, M.	69
Ishibashi, K.	50,90
Ishibashi-Ueda, H.	85
Ishimori, T.	84
Itoi, T.	27
Iyengator, D.	74
Izawa, A.	30

## **J**

Jadonath, R.	32
Jaffer, F.	49
Jahangir, A.	75
Jain, A.	58
Jain, P.	53
Jain, R.	73
Jakob, P.	69
Jaksch, M.	37
Jalal, U.	69
James, M.	70
Janga, K.C.	23
Jaoroenkul, S.	59
Javier, A.D.C.	87
Jayakumar, K.A.	54
Jayne, J.E.	88
Jelicks, L.A.	81
Jenkins, A.J.	55
Jeong, E.	37

	<b>Program Page</b>
Jeong, M.H.	30,41,88
Jerin, M.	29,69,84, 89
Jerome, S.D.	70
Jessen, M.E.	85
Jhavar, M.B.	44,53
Jiang, L.	66
Jimenez Gil, T.	42
Jneid, H.	55
John, R.	38
Johnson, M.R.	26,65
Jopek, C.M.	70
Joshi, S.	60
Juarez Prera, R.A.	30
Jugdutt, B.I.	24,81,86
Jumangit, J.	89
Jumangit, J.S.	53
Jusic, A.	25

## **K**

Kaboli, A.	42
Kadyrov, B.	42,90
Kahr, R.	64
Kakodkar, S.A.	56
Kalife, G.	55
Kaloudis, E.	35,40,61, 74
Kalya, A.	69
Kamalvand, K.	32
Kamp, A.N.	28,63
Kanagaratnam, P.	64
Kanawati, E.I.	59
Kanda, K.	85
Kandalaft, I.	76
Kandpal, B.	26
Kane, G.C.	40,61
Kang, S.G.	72
Kangawa, K.	35,82
Kanj, M.	70

	<b>Program Page</b>
Kannan, A.	57,63
Kannan, S.	27
Kansara, P.	84
Kantharia, B.	64
Kanuri, S.	86
Kapil, V.	40
Kapoor, A.	37
Kapoor, A.	37,38,43, 67,89
Karavadia, N.	87
Karcher, K.	62
Karck, M.	51
Karimzade, B.	30,42
Karimzadeh, K.	59
Karki, P.	91
Karrar, A.	44
Kasai, H.	30
Kashani Amin, L.	42
Kaspereit, F.	70
Kasprzak, J.D.	67
Kassaian, S.A.	41
Kassas, I.	26
Kassim, T.A.	74
Kastrati, A.	55
Kato, R.	27
Katsilambros, N.	27,91
Kattel, S.	36
Katz, I.	33
Kazory, A.	25
Kean, A.C.	63
Kelly, D.J.	55
Kendall, C.	69,90
Kenny, J.F.	55
Kent, A.	40,62
Kent, J.	62
Kenyerer, P.	28
Ker, J.	71
Keramati, A.	67
Kestenbaum, S.	60

	<b>Program Page</b>
Ketelslegers, J-M.	93
Keung, E.	56
Khademvatan, K.	90
Khaidakov, M.	23
Khalife, W.I.	29,61,84, 92
Khalilian, A.	60
Khan, J.H.	64
Khan, M.F.	63,70
Khan, S.	29
Khan, Z.	27
Khandaker, M.H.	51
Khasanova, S.I.	92
Khatib, S.Y.	30,35
Khattab, A.A.	66,85
Khawaja, H.	42
Khazen, C.	25
Khidirov, M.	30,31,42, 72
Khin, L.W.	28
Khoshkhou, F.	60
Khurana, V.K.	62
Kihidirov, M.	59
Kiley, M-L.	66
Kim, B.W.	30,41,88, 89
Kim, D.B.	41
Kim, H.Y.	41
Kim, J.	32,71,81
Kim, J.M.	51,66
Kim, K.S.	89
Kim, S.Y.	89
Kimchi, A.	23
Kimura, K.	29
Kirali, K.	27,51,75, 91,92
Kirchner, R.M.	35
Kirkman, P.	69
Kirsch, M.	85
Kirshenbaum, L.	24

	<b>Program Page</b>
Kis, M.	75,91
Kishimoto, I.	35,82
Kitabata, H.	29,50,55
Kitzman, D.	69
Klarich, K.W.	86
Klas, B.	69
Klatsky, A.L.	68
Kleaveland, J.P.	87
Klein, L.W.	89
Kloss, R.	60
Ko, W.	51
Kocamaz, O.	27,75,92
Koch, W.J.	86
Koduru, S.	26
Koerfer, J.	66
Koertke, H.	66
Koh, J.H.	29
Koh, K.K.	31
Kohli, S.	63
Kolanowski, T.	67
Kolibash, C.	32,56
Komatireddy, R.C.	55
Kommuri, N.V.A.	75
Komorowski, D.J.	76,90
Komukai, K.	29,50,90
Kon, T.	42
Kono, A.T.	57
Koppe, C.	41
Kornreich, B.G.	56
Korshunova, A.L.	92
Koulouris, S.N.	50,52
Kowolaski, T.	64
Koyama, J.	30
Kraitchman, D.L.	49
Kramer, L.	59
Krantz, M.J.	62
Krege, W.	70
Krishnan, K.	56
Krittayaphong, R.	49,69

	<b>Program Page</b>
Krolikowski, M.	27
Kronish, I.	52
Kubo, T.	50,55
Kuehne, T.	70,73
Kuller, L.H.	57
Kulwant-Kaur, K.	64
Kumar, A.	51
Kumar, G.	86
Kumar, S.	35,37,38, 40,43,53, 61,67,74, 89,94
Kumazaki, S.	30
Kume, N.	88
Kundra, A.	32
Kuo, C.L.	28,31,43
Kuo, L.	50
Kurbanov, U.	42
Kurbonov, U.	72
Kurosu, K.	92
Kurosu, T.	42
Kurpisz, M.K.	67
Kwias, Z.	50
Kyriaki, D.	27
Kyriazis, G.O.	25

## **L**

Lacunza, F.J.	41,84,89
Laflamme, A.K.	41
Lagaspi, R.	87
Laham, C.L.	29,69,84
Lai, L.P.	63
Lakkireddy, D.R.	73
Lalli, M.	62
Lam, F.Y.	67
Lam, K.B.	43
Lamas, G.A.	52,66
Lamelas, J.	52,66
Lan, H.	28,43,73

	<b>Program Page</b>
LaPage, M.J.	28,63
Larsen, C.M.	40
Lavigne, P.S.	64
Lavoie, J.	33
Lazarev, I.	42,90
Lazovic, M.	74
Le, R.J.	40
Le, X.C.	58
Leahy, K.J.	45
Leandro, J.	44
Lear, S.A.	25
Leask, R.L.	58
Leclecq, L.B.	86
Leclercq, B.L.	35,45,63
Lee, C.H.	89
Lee, C.N.	67
Lee, E.S.	53
Lee, H.	66
Lee, H.C.	30,41,84, 88,89
Lee, H.R.	66
Lee, H.W.	30,41,84, 88,89
Lee, J.K.	63
Lee, J.M.	41
Lee, P.T.	89
Lehoux, J.	51
Leipsic, J.	44
Lengerich, E.J.	32
Lenihan, D.J.	34
Leonhardt, H.J.	67
Lerakis, S.	85
Lester, S.J.	60,90
Lew, R.	62
Lewis, B.	56
Leya, F.	59
Li, H.	56
Li, J.	38,72
Li, L.	43,87

	<b>Program Page</b>
Li, N.	57
Li, Q.	72
Li, S.	42
Li, X.	37
Li, X.H.	65
Li, Y.	26,65
Liakos, M.P.	62
Lian, Q-Z.	61,67
Liang, J.L.	65
Liang, M.	55
Liao, K.	38
Libby, P.	49
Lichstein, E.	23
Lichtenstein, S.V.	51,66
Liew, B.W.	31
Liew, D.	26
Lifton, R.P.	67
Lim, S.K.	29
Lim, S.Y.	89
Lin, H.J.	43
Lin, J.L.	63
Lin, Q.X.	65
Lin, S.G.	65
Lin, T.T.	31
Lindsay, B.M.	70
Linette, L.	60
Linton-Frazier, L.N.	32
Lippman, N.	64
Little, S.A.	70
Liu, C.S.	28,31,43
Liu, J.Q.	54
Liu, P.Y.	89
Liu, Y.	67
Liu, Y.H.	89
Liu, Y.X.	26
Liu, Z.G.	94
Llacer, A.	53,87
Loghin, C.	59
Loisance, D.Y.	85

	<b>Program Page</b>
Long, C.S.	24,62,67
Lopaschuk, G.	81
Lopatin, Y.M.	93
Lorenzo, S.	31
Lotfi, A.S.	59
Lothstein, K.E.	87
Lothstein, L.	87
Lovedale, L.	32
Lozano, P.M.	75
Lubanski, M.S.	29
Lucas, A.R.	57
Ludke, A.	37
Luke, M.	45
Lunkenheimer, P.P.	70
Lunze, K.	73
Luther, S.	56
Lymperopoulos, A.	86

## **M**

Ma, B.X.	72
Maarouf, N.	73
MacAllister, R.J.	40
Machtoub, L.	69
Mackey, A.	38
Macwar, R.R.	34
Madias, C.	56
Maeda, K.	63
Magallon, J.	58
Magday, M.	32
Magliano, Y.	74
Magno, J.D.A.	45,87
Mahmarian, J.J.	34,69
Mahmood, S.A.	75
Mahmud, R.S.	72
Maiese, K.	23,24
Makarian, A.	42
Makaryus, A.N.	76
Makhija, A.	26
Maki, T.	44



	<b>Program Page</b>
Maland, D.	59
Malcolme-Lawes, L.	64
Maleki-Toyserkani, S.	40
Malev, E.G.	91,92
Malik, I.S.	64
Malik, S.	75
Malinski, T.	50
Mallas, G.	49
Malvestio, L.M.	35,81
Manchanda, S.C.	26
Manfredini, R.	30,83
Mani, A.	67
Manna, C.K.	61
Manocha, P.	26
Manoucherhri, N.	54
Manrique, C.	58
Mao, Y.	35
Marcovitz, P.A.	68
Marek, J.	57
Marfatia, R.S.	35,40,61, 74
Mariani, M.	27
Marok, R.S.	89
Marrouche, N.F.	64
Marsh, J.D.	23,39
Marshall, E.C.	44
Martinez Garcia, F.J.	42
Martinez, M.W.	87
Martinez-Comendador, J.	43
Marunouchi, T.	72
Marwaha, A.	34
Mascarell, B.	87
Masri, D.	29
Mastana, S.	37
Masuno, T.	29
Mata, G.D.	36
Mataraci, I.	51,91,92
Mathias, R.A.	68
Matous, P.	51

	<b>Program Page</b>
Mattfolk, A.	62
Mattingly, P.G.	30,61
Matulac, M.O.	45
Mauskapf, A.	49
Mazzucco, A.	53,75
McCants, K.C.	52
McCauley, R.	72
McCully, R.B.	61
McFadden, G.	57
McGill, D.	45
McGoon, M.D.	40,61
McKenna, K.	77
McLaren, J.E.	57
McMahon, M.J.	29,69,84
McNeish, A.J.	37
Mcrory, M.A.	50
McSorley, S.T.	77
McSweeney, J.C.	60
McTiernan, C.	38
Mebazaa, A.	25
Medeiros, R.	44
Medina Palomo, C.	42
Mehilli, J.	55
Mehler, P.S.	62
Mehra, A.	44,53
Mehta, A.	26
Mehta, J.L.	23,50
Mehta, P.	23
Mehta, S.S.	41
Meilhac, O.M.	91
Meiselman, H.J.	28
Menaria, P.	32,56
Meng, D.	28,73
Meng, M.	69
Menon, M.	55
Mercadal, G.R.T.	42
Merched, A.J.	57
Merla, R.	61
Merlos, P.	87

	<b>Program Page</b>
Merry, A.F.	86
Mestroni, L.	81
Meyer, D.M.	85
Mia, C.	93
Michael, D.R.	57
Michalska, M.	69
Michel-Behnke, I.	27
Mietkiewski, T.	67
Mikhael, J.	69
Mikhael, P.	85
Milasinovic, D.	25
Miller, E.D.	34
Milsom, A.B.	40
Milsom, F.P.	86
Minana, G.	87
Ming, S.	28,73
Mion, M.M.	81
Miranda, J.J.	68
Mirojov, G.	59
Mirshahi, M.	30,31,42, 59,72
Mishra, B.K.	26
Mishra, M.	53
Missendra, C.D.	34
Mitchell, D.	37
Mitra, A.K.	72
Mitra, S.	23
Miyashita, Y.	30
Miyazaki, C.	56
Mizukoshi, M.	29,50,55, 90
Moazazi, M.	87
Mocanu, V.	61
Modak, A.	64
Mofazzali, A.	29
Mohebi, R.	26
Mohl, W.	25
Mohnaty, A.	26
Mojibian, H.	53

	<b>Program Page</b>
Mojon, A.	26,31,40, 60
Mokabberi, R.	56
Monaco, F.F.	43
Monir, G.	63
Monrad, S.	75
Mookadam, F.	69
Moomiaie, R.	53
Moore, H.	56
Mooss, A.	86
Mori, N.	32
Moselhy, M.S.	59,60
Mousavi, M.	41
Movahed, M.R.	39,58,62, 63,70
Mower, M.	56
Moya, A.	26,31,40
Moyee, L.	59
Moyssakis, I.	27,71,91
Muddasser, S.J.	75
Muegge, A.	41
Mujagic, A.	25
Mukku, V.K.	29,61,84, 92
Muller, B.	44
Muminjonov, S.	30,31,42, 72
Mumoli, N.	92
Munoz Bellido, J.	42
Muradyan, F.H.	30
Murphy, C.	71
Mussivand, T.	76
Mustapha, J.A.	84
Muthusamy, P.	45,70,87
<b>N</b>	
Nabi, F.	34,69
Naccarelli, G.V.	32
Nader, E.	89

	<b>Program Page</b>
Naderi, H.	52
Nadkarni, G.N.	66
Nagajothi, N.	63
Nagpal, A.	62
Nagueh, S.F.	49
Naimi, A.	74
Nair, N.	94
Najib, M.Q.	66
Nakajima, N.	74
Nakao, M.	74
Nakashima, K.	85
Nakayama, Y.	85
Nalls, M.A.	67
Nanda, N.C.	49,58
Nangia, V.	32,33,56
Nanjundappa, R.A.	26
Nannapaneni, N.	75
Napan, S.	59,74
Narala, K.	58
Narayan, R.L.	36
Narula, J.	75
Nascimento, F.	77
Natale, A.	70
Natarajan, G.	27
Navab, M.	38
Navaravong, L.	59
Navjuvonov, N.	31,59
Nazmul, M.N.	56
Negassa, A.	75
Nelson, J.D.	85
Nelson, S.	56
Nematipour, E.	41
Newcomb, A.E.	55
Ngalob, Q.G.	36
Nidamanuri, K.	59
Nielson, K.	87
Niles, N.W. II	88
Nishigori, H.	72
Nishimura, R.A.	51

	<b>Program Page</b>
Ntziachristos, V.	49
Nuamah, I.	62
Nunez, E.	53
Nunez, J.	53,87
Nwazue, C.	76
Nwazue, V.C.	93
Nyitray, W.	84
<b>O</b>	
O'Brien, K.D.	81
Odiete, O.	76,93
Ogawa, T.	42,74
Oh, J.	56
Oh, J.H.	30,41,84, 88,89
Oh, J.K.	51,61
Ohba, K.	85
Ohman, E.M.	42
Ok, E.	50
Oka, T.	27
Okafor, H.E.	76,93
Okumura, K.	83
Olague Franco, J.K.	91
Olchanski, D.	67
Olimov, N.	31
Oludunni, T.	39
Omarov, A.	42,90
O'Meara, E.	33
Oparil, S.	50
Orban, M.	90
Oren, J.	56
Orii, M.	90
Ortiz, V.	44
O'Sullivan, A.K.	45
Otagiri, K.	30
Otani, K.	35
Otani, N.	56
Otero, A.	40,60
Ott, I.	55

	<b>Program Page</b>
Oudit, G.Y.	38
Ouyang, P.	68
Ovroutski, S.	73
Ozawa, S.	27
Ozbek, B.	75,92
Ozbek, S.S.	50
Ozer, T.	75,91

## **P**

Page, S.	44
Palaniyappan, A.	24
Palau, P.	87
Palumbo, J.	62
Paluszkiewicz, L.	66
Pamboukian, S.V.	25
Pamidimukala, C.K.	71
Panasyuk, A.	62
Panasyuk, S.V.	62
Pandey, K.N.	38
Paniagua, D.	55
Panknin, C.	74,84
Pankova, I.A.	92
Papadogiannis, D.	71,91
Paranilam, J.	34
Parbhu, S.D.	52
Parfenova, N.N	92
Parissis, J.T.	25
Park, H.J.	41
Park, S.J.	72
Park, T.	71
Parlani, G.	26
Parthan, A.G.	45
Parvizi, G.	58
Parwani, P.	64
Päsler, M.	64
Passey, R.	26
Pastromas, S.	52
Pasupuleti, V.	68
Patel, A.A.	94

	<b>Program Page</b>
Patel, A.K.	45
Patel, M.R.	42
Patel, N.	87
Patel, P.	76
Paterson, I.	69
Pearl, V.	40
Pedrinelli, R.	27
Pees, C.	27
Pellikka, P.A.	61
Penciu, O.M.	31
Peng, T.	26
Penny- Peterson, E.D.	32
Pera Rojas, C.	42
Pere-Polo, J.R.	37
Perez, J.R.	44
Perez-de-Lis, J.	26
Perez-Polo, J.R.	40
Pericchi, L.R.	31
Perisic, Z.	74
Pershukov, I.	42,90
Peterson, E.D.	42
Peterson, L.E.	34
Petrakova, L.	42,90
Pfeffer, T.A.	66
Phillips, P.	88
Phillips, S.	86
Pichaiwong, W.	81
Pickham, D.	70
Pierce, C.	50
Pinar, E.	41,89
Pineda, A.	77
Pineda, A.M.	52,66
Pineda, J.	74
Pineiro, L.	40
Pislaru, C.	49
Pislaru, S.	49
Pitzalis, M.H.	25,86
Playford, D.A.	40,62
Plebani, M.	81

	<b>Program Page</b>
Polimera, H.	45
Pollak, S.J.	63
Pollice, F.P.	63
Pollice, P.F.	35,45,86
Pollice, P.P.	35,45,63, 86
Pomerantsev, E.V.	35
Poongkunran, C.	63
Poornima, I.G.	57
Pop, D.	31
Porcher, E.	25
Possemiers, N.M.	53,86,93
Possmiers, N.	86
Postma, J.	70
Potena, L.	94
Pourali, R.	74,90
Pourhoseini, H.R.	41
Pourmalek, P.	44,57
Pousa, L.	26
Powell, B.	56
Prado, C.M.	35,81
Prado, J.A.	42
Pragst, I.	70
Prasad, K.	68
Pratap, B.	71
Pratt, C.M.	34
Preobrazhensky, D.	42,90
Prior, D.L.	55
Prokudina, M.	49,91,92
Prylutska, H.	33
Pu, M.	69
Punzalan, F.B.	36
Punzalan, F.E.R.	87
Puri, A.	55
Puri, V.	68
 <b>Q</b>	
Qadir, A.	73
Qayyum, R.	67

	<b>Program Page</b>
Qian, J.	37,40
Qian, W.	73
Quader, N.	69
Quek, S.C.	28
Quevedo, J.	31
Quon, M.J.	31
Qureshi, S.	54
Qureshi, W.	72
Quyuyumi, A.A.	26
 <b>R</b>	
Raal, D.	52
Rabai, M.	28
Rabbani, L.	58
Raddawi, S.	26
Radovanovic, Z.	74
Radovits, T.	51
Rahimi Janani, M.	60
Rahimov, Z.	59
Rahman, M.	33
Rahman, M.M.	37
Rahmanzadeh, P.	73
Rahmatov, M.	72
Rahmonov, S.	59
Rai, H.	37,38,43, 53,67,89
Rai, M.	35,40,61
Raizada, A.	66
Rajamannan, N.M.	85
Rakhimov, Z.	31,72
Rakhmatov, M.	42
Ramanathan, K.	44
Ramazanov, J.	42,90
Ramboyoung, R.E.	42,75
Ramirez Moreno, A.	42
Ramji, D.P.	57
Rampal, L.	60
Rapeport, N.	53
Rastogi, S.	81

	<b>Program Page</b>
Ravina Cabrera, M.D.	30
Ray, D.	50
Razansky, N.	49
Razavi, R.	54
Rea, R.	56
Reddy, H.K.	55,87
Reddy, R.C.	94
Reddy, Y.M.	86
Redfield, M.	56
Reeva, S.V.	91,92
Regnante, R.A.	35
Regueiro, A.	53
Rehman, A.M.	44
Reilly, M.P.	38
Reiner, A.	67
Rengo, G.	86
Resh, W.H.	75
Reyes, E.B.	36,45
Reyna, J.	52,77
Rezazadeh, S.	44
Rheu, S.H.	29
Richter, R.	66
Rieckmann, N.	52
Rifaie, O.A.	91,92
Rivera, O.	87
Rizoev, E.	30,31
Rizzo, J.A.	53
Robb, J.F.	88
Rodriguez Gonzalez, A.	30
Rodriguez, R.C.	84
Roe, M.T.	42
Rogers, J.S.	70
Rohani, M.	42
Romani, P.	94
Rong, J.	58
Roomallah, B.	32
Rosamond, T.L.	73
Rosenheck, S.	33
Rosenthal, A.	49

	<b>Program Page</b>
Roshani, A.	94
Rossi, M.A.	35,81,87
Rostamzadeh, A.	74
Roth, S.	60
Roul, G.	29
Rousan, T.A.	75
Rousseau, G.	43
Rozanski, A.	34
Rozwadowska, N.	67
Rubio Alvarez, J.	43
Ruby, M.L.	44
Rucinski, M.	67
<b>S</b>	
Saab, F.	66
Sabbah, H.N.	81
Sabel, A.L.	62
Saboo, B.	60
Sabzi, F.	94
Sachdev, A.	61
Saclic, H.	27,51,92
Sadiq, A.	23
Saeed, F.	41
Safarpoor, S.	58
Sagar, U.N.	62
Saito, Y.	36
Salarifar, M.	41
Salgado, J.L.	26
Saliba, W.J.	70
Sallaam, S.	27
Salmi, R.	30
Salter, R.C.	57
Sami, A.M.	91
Samii, S.M.	32
Samonte, V.I.	36
Sampath, R.	64
Samy, H.	57
Sanbe, A.	72
Sanchez-Grande Flecha, A.	30

	<b>Program Page</b>
Sanchis, J.	53,87
Sandhu, G.	66
Sandor, G.	54
Sankaranarayana, R.	70
Santana, O.	52,66
Sanz, J.	36
Saqlain, M.U.	41
Sarac, L.	59
Saran, R.K.	53
Saravolatz, L.	53,72,75
Saravolatz, L.II	53,72,75
Sarikaya, S.	27,51,75
Sarkees, M.L.	87
Sarma, P.S.	27
Sarria, A.	52
Sartorius, J.	34,67,69
	74
Sasaki, K.	42
Sathish, T.	27
Satti, S.	57
Sauer, W.	32
Saunders, C.H.	54
Sawamura, T.	23
Sawhney, J.P.S.	26
Sawyer, D.B.	76
Saxena, A.	45
Saxena, P.C.	53
Sayed-Ahmed, M.M.	72
Scarabelli, T.M.	24,53,72,
	75
Schaff, H.V.	51
Schamroth, C.L.	52,53
Schilling, H.	41
Schmack, B.	51
Schmalfluss, C.M.	44
Schmitt, B.	70,73
Schofield, R.S.	44
Schömig, A.	55
Schulz, S.	55

	<b>Program Page</b>
Schuster, S.	69
Schwartz, J.E.	52
Scott, S.	87
Scotton, C.J.	40
Secer, S.	66
Seckel, H.	63
Seidl, K.	32
Seifalian, A.M.	84
Selzman, K.	56
Semler, H.J.	87
Senior, R.	34
Serwer, G.	28
Seung, K.B.	41
Shaffer, L.	51
Shah, A.	42,62,76,
	88
Shah, A.N.	64
Shah, S.V.	50
Shamim, G.	29
Shammas, G.A.	89
Shammas, N.W.	29,69,84,
	89
Shamoon, F.	76
Shan, Z.X.	65
Shani, J.	23
Sharma, A.K.	37,38,67
Sharma, M.K.	26
Sharma, N.N.	73
Sharma, R.	87
Sharma, R.K.	87
Sharma, S.	84
Sharma, U.	52
Sharma, V.	41,45
Sharma, Y.P.	92
Sheagren, J.	87
Sheikholeslami, F.	26
Shen, W.	56
Sherron, S.R.	55
Sheta, S.S.	28,76

	<b>Program Page</b>
Shetty, A.	66
Shetty, K.	75
Shi, G.P.	50
Shiffman, D.	67
Shih, M.J.	56
Shimizu, K.	92
Shin, D-I.	64
Shirani, J.	34,51,52, 65,67,69, 74,92
Shome, J.S.	32
Shrestha, N.R.	91
Siat-Taut, A.	31
Siddiqui, S.A.	75
Siddiqui, Y.	64
Sidorenko, B.	42,90
Sierra, J.	43
Siles Rubio, J.R.	42
Silparshetty, S.	45
Silva, J.S.	81
Silverman, J.D.	60
Silverman, M.	60
Simmet, T.	37
Simonte, G.	26
Sineiro, E.	31,40
Singal, P.K.	37
Singh, K.	87
Singh, M.	26,59
Singh, N.	37,67
Singh, R.	67
Singla, D.K.	24
Sinha, N.	37,38,43, 53,67,89
Sinha, P.R.	53
Sismanoglu, M.	51,75,91, 92
Sitar-Taut, A.V.	31
Skibba, J.B.	32
Slaughter, M.S.	52
Slawnych, M.T.	76

	<b>Program Page</b>
Smalling, R.W.	59
Smirnov, S.V.	37
Smith, C.I.E.	37
Smith, D.	41
Snively, B.M.	67
Soans, R.	51
Sobel, E.	57
Soberman, J.E.	87
Sohaib, S.M.A.	64
Somaratne, J.B.	55
Song, G.	35
Song, S.W.	72
Song, Y.	68
Soon, J.L.	51,66
Sopkova, Z.	93
Sovari, A.A.	37
Spencer, R.	44
Sperling, L.	26
Spinale, F.	57
Springer, S.	41
Squires, A.	56
Sra, J.	32,33,56
Srinivasan, M.	41
Srivastava, S.	94
Srivathsan, K.	64,70
Stadler, P.	51
Stanciu, S.	29
Stautberg, E.	59
Stecy, P.J.	89
Steendijk, P.	70,73
Stefanadis, C.	71
Stefanescu, C.	61
Steidley, D.E.	90
Steiger, N.	62
Stein, S.	67
Steinberg, J.S.	76
Stewart, S.	40,62
Sthalekar, N.	34
Storm, R.	56



	<b>Program Page</b>
Strange, G.A.	40,62
Sturm, S.	56
Su, S.L.	31
Subherwal, S.	42
Subkovas, E.	62,88
Subramaniyan, A.	92
Sugathan, P.	45
Suma, V.	76
Sumners, M.J.	84
Sun, L.Z.	94
Sunkara, N.T.	75
SuPrat-Gonzalez, S.	74
Susak, S.	74
Sutradha, S.	76
Suwaidi, J.A.	44
Suzuki, K.	63
Suzuki, T.	86
Swamydass, D.	41
Swissa, M.	70
Sydnor, M.K.	76,90
Syed, R.K.	75
Sylven, C.	37
Symeonides, P.	52
Syrovets, T.	37
Szabo, C.	34
Szabo, G.	51
Szalai, A.J.	50
Szpunar, S.	58,60
Sztajzel, J.M.	74
Szymczyk, E.	67
<b>T</b>	
Tabata, T.	42
Tadros, P.N.	73
Tai, B.C.	28
Tajikawa, T.	85
Tajouri, T.H.	86
Takagi, M.	33
Takagi, T.	63

	<b>Program Page</b>
Takahashi, M.	94
Tan, C.H.	31
Tan, J.	69
Tan, V.H.	31
Tanaka, A.	55
Tang, G.H.L.	94
Tang, W.	67
Tang, X.	69
Tanimoto, T.	29,50,90
Tanonaka, K.	72
Tanoue, A.	72
Tanowitz, H.B.	35,81
Tarhuni, W.M.	29
Tatsumi, H.	63
Tawil, R.S.	44
Taylor, C.	44
Taylor, K.	76,93
Tchou, P.	70
Teijeira, E.	43
Telezkin, V.S.	37
Temirsultanova, T.H.	93
Temmerman, A-M.	52
Tentolouris, N.	27,71,91
Tewari, S.	43,89
Thadani, U.	39
Thakar, S.T.	23
Thankappan, K.R.	27
Thengchaisri, N.	50
Thibault, B.	33
Thoburn, R.	57
Thomas, K.E.	32
Thomas, P.	45
Tickle, A.	32
Timofeev, E.V.	91,92
Tippett, L.F.	86
Tisnado, J.	76,90
Tisnado, Jaime	76,90
Tkac, I.	93
Tkacova, R.	93

	<b>Program Page</b>
Toiyama, K.	27
Tokudome, T.	35,82
Tolat, A.	64
Tolchinsky, T.	23
Tomanek, R.	58
Tomaru, T.	42,83,92
Tomita, T.	30
Tong, A.T.	34
Topilsky, T.	66
Torosoff, M.	32,42,58
Torosoff, M.T.	62
Toth, A.	28
Toth, K.	28,91
Tousoulis, D.	71
Toy, J.	62
Traballi, R.	44
Tran, D.L.	39
Tran, V.	55
Tranbaugh, R.F.	51,94
Tranquilli, M.	53
Trenerry, M.R.	66
Triantafyllou, K.	52
Trinder, S.L.	40
Trohman, R.G.	56
Trotter, C.C.	64
Truesdell, A.G.	35
Tryfon, S.M.	25
Tsai, C.T.	63,90
Tsai, L.M.	89
Tsavlis, D.A.	25
Tse, H-F.	61
Tse, H.F.	67
Tseng, C.D.	63,90
Tsubouchi, T.	35
Tsukamoto, H.	83
Tucciarone, M.	58,60
Turner, N.	38
Tweddell, J.S.	27

	<b>Program Page</b>
<b>U</b>	
Uddin, M.	62
Udink ten Cate, F.E.	28
Uechi, M.	85
Ulgen, B.	72
Unsworth, B.	64
Urban, M.W.	49
Uretsky, B.F.	39,84
Usmani, S.	76
<b>V</b>	
Vadivale, M.	60
Vaidya, D.	68
Vaishnava, P.	36
Vakili, L.	58
Valania, G.E.	66
Valdes, M.	41,84,89
Valdesuso, R.M.	41,84,89
Valocik, G.	93
Van Berendoncks, A.M.	86,93
Van Craenenbroeck, E.M.	93
Van Over, B.	87
van Ryn, J.	70
Vandenhoven, G.	52
Varady, E.	91
Vargas Torres, M.J.	30
Vasquez, A.	59
Vasquez, D.	72
Vazirian, S.	58
Veeranna, V.	75
Ventura, S.	87
Venzon, R.	29,69,84
Veres, G.	51
Verzini, F.	26
Verzosa, J.	71
Vetrovec, G.W.	39
Vidyadaran, S.	60
Vijayan, S.	45

	<b>Program Page</b>
Vijayaraman, P.	56
Vilela, G.C.	75
Villarraga, H.R.	61
Vincent, J.	76,93
Vitasek, P.	51
Vittala, S.S.	66
Vivek, B.S.	26
Voelkel, A.J.	52
Voelker, D.J.	87
Voidonikola, P.	91
Vooletich, M.	59
Voukydis, P.C.	32,44,63 66
Voulgari, C.	27,71,91
Vrints, C.J.	53,86,93

## **W**

Waclawska, A.	67
Wadowski, P.	25
Wagg, C.	81
Wagner, R.H.	59
Wagner, R.J.	70
Wait, M.A.	85
Wald, D.S.	52
Waldman, B.A.	45
Walker, X.	63
Walsh, R.	94
Walters, H.L.	27
Wang, J.	50
Wang, L.	68
Wang, M.	81
Wang, T.Y.	42
Wang, Z.	37
Ward, T.	86
Wariboko, M.A.	76,93
Watanabe, T.	85
Waterfield, N.P.	62
Waters, T.A.	62
Watson, D.R.	51

	<b>Program Page</b>
Wazni, O.M.	70
Webb, A.J.	40
Webb, J.G.	51,66
Wei, J.	60
Wei, L.	58
Wei, W.	34
Weinstein, M.C.	45
Weiss, A.T.	33
Weissleder, R.	49
Werry, D.	37
West, S.C.	54
Wetzel, L.H.	73
Weymann, A.	51
White, K.V.	62
White, M.	33
Wicks, J.R.	77
Wietecha, T.	81
Williams, K.	87
Williams, M.L.	52
Williams, R.B.	35
Wilson, J.G.	67
Wilson, J.M.	55
Wisbey, J.	90
Witter, T.	54
Wittlinger, T.	66
Wohns, D.	45
Wolbrette, D.L.	32
Wolff, M.R.	35
Wong, K.K.	43
Wong, N.D.	34,37,86
Wong, S.M.	43
Wood, D.	51,66
Wu, C.K.	63
Wu, Q.	90
Wu, S.S.	72
Wu, X.J.	73
Wujila, J.	85
Wuyts, K.	53,86,93

	<b>Program Page</b>
<b>X</b>	
Xia, Z.Y.	58
Xing, D.	50
Xu, J.	69
Xu, Y.	62
<b>Y</b>	
Yadav, P.K.	32
Yaku, H.	85
Yamagishi, M.	27
Yamanami, M.	85
Yamauchi, J.	72
Yamrozik, J.A.	35
Yan, J.	87
Yanartas, M.	91
Yanes Bowden, G.	30
Yang, C.	35,40,61, 74
Yang, J.	58
Yang, M.	65
Yang, M.J.	30,41,84, 88,89
Yao, G.H.	66
Yao, S.	43
Yarzebski, J.	31
Yassin, K.	44
Yau, S.F.	43
Ye, J.	51,66,85
Ye, S.	52
Ye, Y.	37,40
Yekta, Z.	74,90
Yen, A.M.F.	90
Yetman, A.T.	27,54
Yii, M.	55
Yilmaz, M.B.	25
Yip, W.	28
Yong, Q.W.	74,84
Yoo, S.H.	29

	<b>Program Page</b>
Yoon, H.	62
Yoshiyama, M.	63
Yost, G.	34
Yosufi, T.	94
Youn, T.J.	89
Young, D.	26
Youssef, A.A.	59,60
Yousuf, M.	40
Yu, S.C.	28
Yu, X.Y.	65
Yurko, D.A.	34
Yusuf, S.W.	34
<b>Z</b>	
Zahid, M.	34,83
Zamora, C.	66
Zaninotto, M.	81
Zank, D.C.	59
Zannad, F.	76,93
Zarin, S.	72
Zdreghea, D.T.	31
Zeidan, A.	35
Zeitler, S.H.	70
Zemtsovsky, E.V.	91,92
Zevallos, J.C.	31
Zhang, L.	81
Zhang, W.	50
Zhang, Y-L.	61,67
Zheng, D.H.	57
Zheng, X.L.	38
Zhu, J.M.	94
Zhu, J.N.	65
Ziv, E.	67
Zonderman, A.B.	67
Zuo, Y.Z.	73
Zuzek, R.W.	35

**CardiologyOnline.com**

CARDIOLOGY ONLINE