INTERNATIONAL ACADEMY OF CARDIOLOGY
ANNUAL SCIENTIFIC SESSIONS 2014
19th WORLD CONGRESS ON
HEART DISEASE
BOSTON, MA, USA, JULY 25-28, 2014

SCIENTIFIC PROGRAM
SATURDAY, JULY 26, 2014
SATURDAY, JULY 26, 2014

09:00 – 10:15  Grand Ballroom

OC: OPENING CEREMONY

Chair: Jeffrey S. Borer, USA

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

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

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

Naranjan S. Dhalla, Canada
Member, Scientific Executive Committee
Chairman, Section of Cellular Biology of the Heart
International Academy of Cardiology

John B. Gordon, USA
President, California Chapter of the American College of Cardiology

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

PRESENTATION OF 2014 AWARDS
Jeffrey S. Borer, USA
John A. Elefteriades, USA
SATURDAY, JULY 26, 2014

09:35 – 10:15 Grand Ballroom

OPENING LECTURE – EIGHTH H.J.C. SWAN MEMORIAL LECTURE

Chair: **N.D. Wong**, Irvine, CA, USA

09:40 INTRODUCTION

**N.D. Wong**, Irvine, CA, USA

09:45 GENDER DISPARITY IN CORONARY HEART DISEASE: BIAS, BIOLOGY, OR BOTH? (Invited Lecture)

**N.K. Wenger**, Emory University School of Medicine, Atlanta, GA, USA

10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

10:45 – 12:45 Grand Ballroom

PL01 Plenary Session

NEW INSIGHTS INTO THE PATHOGENESIS AND TREATMENT OF CARDIOMYOPATHIES

Chairs: **H.N. Sabbah**, Detroit, MI, USA

**P.K. Singal**, Winnipeg, MB, Canada

10:45 THE INTERACTIVE ROLE OF CYTOKINES IN CARDIOMYOCYTE SURVIVAL (Invited Lecture)

**P.K. Singal**, St. Boniface Hospital Research Centre, Winnipeg, MB, Canada

11:00 MITOCHONDRIAL DIVISION/MITOPHAGY INHIBITOR (MDIVI) AMELIORATES PRESSURE OVERLOAD INDUCED HEART FAILURE (Invited Lecture)

**S.C. Tyagi**, University of Louisville School of Medicine, Louisville, KY, USA

11:15 IMPROVING ENERGY SUPPLY TO MEND A SICK HEART (Invited Lecture)

S. Wu, T. Kim, J. Luo, L. He, Q. Long, Y. Ding, D. Moellering, **Q. Yang**

University of Alabama at Birmingham, Birmingham, AL, USA

11:30 EFFECTS OF LONG-TERM THERAPY WITH BENDAVIA (MTP-131), A NOVEL MITOCHONDRIA-TARGETING PEPTIDE, ON SKELETAL MUSCLE FIBER TYPE COMPOSITION IN DOGS WITH CHRONIC HEART FAILURE (Invited Lecture)

**H.N. Sabbah**, Henry Ford Heart & Vascular Institute, Detroit, MI, USA

11:45 ROLE OF OXIDATIVE PROTEIN MODIFICATIONS IN REGULATING KINASE PATHWAYS IN HEART FAILURE: ROLE IN THERAPY (Invited Lecture)

S. Wang, **J. Van Eyk**, Johns Hopkins University, Baltimore, MD, USA

12:00 MOLECULAR TARGETING OF DILATED CARDIOMYOPATHY (Invited Lecture)

**B.S. Tuana**, J. Majors, M. Salih

University of Ottawa Heart Institute, Ottawa, Canada

12:15 TRANSLATING T3 TREATMENT OF HEART FAILURE FROM BENCH TO BEDSIDE: FINALLY, A SAFE TREATMENT/MONITORING PROTOCOL THAT SHOULD WORK! (Invited Lecture)

**A.M. Gerdes**, New York Institute of Technology, Old Westbury, NY, USA
PL01 Plenary Session
NEW INSIGHTS INTO THE PATHOGENESIS AND TREATMENT OF CARDIOMYOPATHIES (cont.)

12:30 DIFFERENCE IN SERUM AMYLOID A LEVELS BETWEEN PATIENTS WITH LEFT VENTRICULAR DYSFUNCTION OF ISCHEMIC AND NON ISCHEMIC ORIGIN
(Invited Lecture)
D. Anzulovi-Miroševi, M. Zaninotto, M.M. Mion, M. Plebani, S. Dalla-Volta
University of Padua Medical School, Italy

12:45 LUNCH BREAK, VISIT POSTERS AND EXHIBITION
**SATURDAY, JULY 26, 2014**

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<td>10:45</td>
<td>ECHOCARDIOGRAPHY: PAST, PRESENT AND FUTURE (Invited Lecture)</td>
<td>N.C. Nanda, University of Alabama at Birmingham, Birmingham, AL, USA</td>
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<td>11:00</td>
<td>PRESENT AND FUTURE OF NUCLEAR CARDIOLOGY AND CARDIAC CT IN CAD: VALUE-BASED IMAGING (Invited Lecture)</td>
<td>D.S. Berman, Cedars Sinai Medical Center, Los Angeles, CA, USA</td>
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<td>11:15</td>
<td>STRESS-ONLY IMAGING; A NEW PARADIGM FOR PERFORMING STRESS MYOCARDIAL PERFUSION IMAGING (Invited Lecture)</td>
<td>J.J. Mahmarian, Houston Methodist DeBakey Heart and Vascular Center, Houston, TX, USA</td>
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<td>11:30</td>
<td>IMAGING ACE AND ANGIOTENSIN RECEPTORS IN THE HEART (Invited Lecture)</td>
<td>J. Shirani, St. Luke’s Hospital and Health Network, Bethlehem, PA, USA</td>
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<td>11:45</td>
<td>HAND HELD CARDIAC ULTRASOUND: ROLE IN CLINICAL PRACTICE (Invited Lecture)</td>
<td>P.A. Pellikka, Mayo Clinic College of Medicine and Mayo Foundation, Rochester, MN, USA</td>
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<td>12:00</td>
<td>IMPACT OF CORONARY CT ANGIOGRAPHY ON PATIENT MANAGEMENT AND CARDIOVASCULAR OUTCOMES: HOW TO INTEGRATE TEST RESULTS IN PATIENT CARE (Invited Lecture)</td>
<td>R. Blankstein, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA</td>
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<td>12:15</td>
<td>FUNCTIONAL AND ANATOMICAL CARDIAC IMAGING IN PATIENTS WITH CORONARY ARTERY STENTS (Invited Lecture)</td>
<td>A. Elhendy, Marshfield Clinic, Marshfield, WI, USA</td>
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<td>12:30</td>
<td>DIAGNOSTIC AND PROGNOSTIC ROLE OF NONINVASIVE CORONARY FLOW RESERVE (Invited Lecture)</td>
<td>Q. Ciampi, C. Manicardi, B. Villari, Fatebenefratelli Hospital, Benevento, Italy</td>
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<td>12:45</td>
<td>CARDIAC MAGNETIC RESONANCE IMAGING FOR CORONARY ARTERY DISEASE (Invited Lecture)</td>
<td>F. Sozzi, Ospedale Maggiore Policlinico, Italy</td>
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<td>13:00</td>
<td>FRACTIONAL FLOW RESERVE (Invited Lecture)</td>
<td>J.A. Garcia, Denver Health Medical Center, Denver, CO, USA</td>
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SATURDAY, JULY 26, 2014

10:45 – 13:30 Martha’s Vineyard

PL02 Plenary Session
ADVANCES IN CARDIOVASCULAR IMAGING (cont.)

13:15 PROGNOSTIC VALUE OF MICROVASCULAR OBSTRUCTION ON MULTIDETECTOR COMPUTED TOMOGRAPHY AFTER PRIMARY PERCUTANEOUS CORONARY INTERVENTION IN ACUTE MYOCARDIAL INFARCTION
(Invited Lecture)

Toki Municipal General Hospital, Toki, Japan

13:30 LUNCH BREAK, VISIT POSTERS AND EXHIBITION
10:45 – 13:00  Nantucket

PL03  Plenary Session
NOVEL THERAPIES FOR ATHEROSCLEROSIS

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

10:45  GUIDING PRINCIPLES IN STATIN UTILIZATION: EMERGING
       CLINICAL AND PUBLIC HEALTH CHALLENGES (Invited Lecture)
       C.H. Hennekens, Florida Atlantic University, Boca Raton, FL, USA

11:00  HDL AND THE HDL HYPOTHESIS: WHERE DO WE STAND NOW?
       (Invited Lecture)
       W.E. Boden, Samuel S. Stratton VA Medical Center, Albany, NY, USA

11:15  TRANSLATION OF HDL FUNCTIONALITY IN CLINICAL PRACTICE
       (Invited Lecture)
       R.S. Rosenson, Mount Sinai School of Medicine, New York, NY, USA

11:30  RESIDUAL VASCULAR RISK AFTER STATIN THERAPY: THE PROMISE
       OF NOVEL LIPOPROTEIN BIOMARKERS (Invited Lecture)
       S. Mora, Brigham and Women’s Hospital, Boston, MA, USA

11:45  NEW AVENUES IN THE FIGHT AGAINST ATHEROSCLEROSIS
       (Invited Lecture)
       S. Lehoux, McGill University, Montreal, QC, Canada

12:00  BIOPHYSICS OF MYELOPEROXIDASE INTERACTIONS WITH HDL:
       AN INDEX OF FUNCTIONALITY? (Invited Lecture)
       K.A. Pritchard Jr., D. Sahoo, A. Chadwick, T. Zaman, H. Zhang, H. Xu,
       M. Sorci-Thomas, Medical College of Wisconsin, Milwaukee, WI, USA

12:15  LDL CARBAMYLATION IN CHRONIC UREMIA: IS THERE A ROLE FOR
       MYELOID PEROXIDASE? (Invited Lecture)
       A.G. Basnakian, E.O. Apostolov, O.K. Karaduta, D. Ray, S.T. Burns,
       A.V. Savenka, M.L. Eigenbrodt, S.V. Shah
       University of Arkansas for Medical Sciences, Little Rock, AR, USA

12:30  RANDOMIZED PHASE II TRIAL TO ASSESS SAFETY AND EFFICACY OF
       CAPRE IN MILD-TO-SEVERE HYPERTRIGLYCERIDEMIC PATIENTS
       T. Sampalis, Y. Pesant, J. Pouliot, Y. Gonzalez, R. Dufour, J.S. Sampalis,
       P. Lemieux, F. Amiri, H.W. Waksal, J. Davignon
       Acasti Pharma, Laval, QC, Canada

12:45  INFLUENCE OF STATINS ON CIRCULATING MICRORNAS DURING
       PROLONGED AEROBIC EXERCISE
       P. Min, S. Isaacs, B.A. Parker, P.D. Thompson, C. Troyanos, P. D’Hemecourt,
       S. Dyer, A.L. Baggish, S.Y. Chan
       Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA

13:00  LUNCH BREAK, VISIT POSTERS AND EXHIBITION
SATURDAY, JULY 26, 2014

10:45 – 13:00 Adrienne Salon

S21 Session

PEDiatric cardiology and cardiac surgery, congenital heart disease

Abstract No.

Chairs: N.E. Bowles, Salt Lake City, UT, USA
        M. Sadiq, Lahore, Pakistan

10:45 CHEST COMPRESSIONS DURING SUSTAINED INFLATIONS: A NOVEL
       TECHNIQUE OF NEONATAL RESUSCITATION THAT IMPROVES
       RECOVERY AND SURVIVAL IN A NEONATAL PORCINE MODEL
       G.M. Schmolzer, M. O’Reilly, J. LaBossiere, T.Z. Lee, S. Cowan, D.L. Bigam,
       P.Y. Cheung
       University of Alberta, Edmonton, Alberta, Canada

11:00 CARDIAC FINDINGS IN NOONAN SYNDROME ON LONG-TERM
       FOLLOW-UP
       J.A. Noonan, J.L. Colquitt, University of Kentucky, Lexington, KY, USA

11:15 ECHOCARDIOGRAPHIC ASSESSMENT OF UNICUSPID AORTIC VALVE
       Mayo Clinic, Rochester, MN, USA

11:30 PROGNOSIS FOR PATIENTS WITH HEART FAILURE AFTER PALLIATIVE
       SURGERY FOR SINGLE VENTRICLE CARDIAC DISEASE
       M.G. Foulks, C.S. Herrington, R.M.L. Meyer, V.A. Starnes, W.J. Wells, K. Kallin,
       J.I. Gold, J.D. Menteer
       Keck School of Medicine of the University of Southern California, Los Angeles,
       CA, USA

11:45 IMPROVED RESYNCHRONIZATION PACING EFFICACY AMONG
       CONGENITAL HEART DISEASE PATIENTS WITH REFRACtORY HEART FAILURE
       P.P. Karpawich, Y. Sanil, N. Bansal, K. Zelin, H. Singh
       The Children’s Hospital of Michigan, Wayne State University, Detroit, MI, USA

12:00 VELOCITY TIME INTEGRAL OF THORACIC AORTA: A MEASURE TO
       ASSESS SYSTOLIC FUNCTION OF THE SYSTEMic RIGHT VENTRICLE IN
       PATIENTS WITH TRANSPOSITION OF THE GREAT VESSELS
       R. Ranjan, E. Gucuk Ipek, I.S. Harris
       University of California, San Francisco, CA, USA

12:15 PREDICTION OF PULMONARY REGURGE AND RIGHT VENTRICULAR
       FUNCTION IN ASYMPTOMATIC REPAIRED TETRALOGY OF FALLOT
       PATIENTS IN DEVELOPING COUNTRIES; A COMPARISON TO CARDIAC MRI
       H. Agha, D. Mahgoub Aly, F. Alzahraa Mostaфа, A. Essam, Y. Kamal, G. Hussein,
       H. El- Kiky, M. Abdel-Raouf
       Cairo University Hospitals, Pediatric Cardiology, Cairo, Egypt
Abstract No. 036

12:30 ISOPROTERENOL-ASSOCIATED RISK STRATIFICATION FOR SUDDEN DEATH AMONG PEDIATRIC PATIENTS WITH WOLFF-PARKINSON-WHITE SYNDROME: LOCATION-BASED ACCESSORY PATHWAY REFRACTORY PERIODS
A. Bharmanee, H.R. Singh, P.P. Karpawich
The Children’s Hospital of Michigan-Wayne State University, Detroit, MI, USA

Abstract No. 037

12:45 INDEXES OF MYOCARDIAL REPOLARIZATION ARE ASSOCIATED WITH LEFT TO RIGHT SHUNTS IN VENTRICULAR SEPTAL DEFECT
H. Uchida, M. Nishio, Y. Eryu, T. Watanabe, T. Hata
Fujita Health University, Toyoake, Japan

13:00 LUNCH BREAK, VISIT POSTERS AND EXHIBITION
SATURDAY, JULY 26, 2014

08:00 – 13:00 Poster Hall

**P101 THE PLAQUE AND ACUTE CORONARY SYNDROMES**

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1. **ELECTROCARDIOGRAPHIC CHANGES, TROPONIN ELEVATION AND LENGTH OF STAY AMONG COCAINE USERS ADMITTED FOR CHEST PAIN**
   
   F. Garcia Trobo, A. Barbagelata, B. Manduca, F. Visco, G. Pekler
   New York Medical College, New York, NY, USA

2. **PLASMA SEROTONIN AND PLATELET AGGREGATION RESPONSE TO COLLAGEN AS A PREDICTOR OF ADVERSE EVENTS**
   
   Texas Tech University Health Sciences Center, Lubbock, TX, USA

3. **DECADES AFTER TAKOTSUBO**
   
   Easton Hospital, Easton, PA, USA

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

4. **DELAYED REDUCTION IN CYSTATIN C-BASED GFR AFTER PCI IS A PREDICTOR OF ADVERSE OUTCOMES IN PATIENTS WITH PRESERVED RENAL FUNCTION**
   
   Severance Cardiovascular Hospital, Yonsei University Health System, Seoul, Korea

5. **POST STEMI LEFT VENTRICULAR EJECTION FRACTION AND INFARCT SIZE ESTIMATION – ARE SERUM TROPONIN T LEVELS HELPFUL??**
   
   Postgraduate Medical Institute, Ameer Ud Din Medical College, Lahore, Pakistan

6. **DOES PRIOR ASPIRIN USE PREDICT THE DEGREE OF PEAK TROPONIN LEVELS IN PATIENTS WITH ACUTE CORONARY SYNDROME?**
   
   H.A. Bhatt, D.R. Sanghani, M.B. Perini, G.A. Fernaine
   Lutheran Medical Center, Brooklyn, NY, USA

7. **PLASMA PRO-BNP IS NOT A SPECIFIC MARKER FOR TRANSIENT MYOCARDIAL ISCHEMIA**
   
   K. Maqsood, J.R. Cook, G.R. Giugliano, A. Lotfi
   Baystate Medical Center, Tufts University School of Medicine, Springfield, MA, USA

8. **INCREMENTAL VALUE OF HIGH SENSITIVITY TROPONIN IN ACUTE CORONARY SYNDROME**
   
   A.P. Sadath, G.V. Raghavan, Kims Hospital, Trivandrum, Kerala, India
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<td>SAFETY OF ADJUNCTIVE ANTICOAGULATION DURING PRIMARY PERCUTANEOUS CORONARY INTERVENTION IN PATIENTS WITH THERAPEUTIC ORAL ANTICOAGULATION</td>
<td>I. Ahmed, <strong>S.J. Voyce</strong>, I. Pallekonda</td>
<td>The Wright Center for Graduate Medical Education, Scranton, PA, USA</td>
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<td>ESTIMATING THE CLINICAL VALUE OF CANGRELOR IN PATIENTS UNDERGOING PCI</td>
<td><strong>I.S. Jensen</strong>, C. Wu, C.B. Bay, P.L. Cyr, ICON Health Economics</td>
<td>Cambridge, MA, USA</td>
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<td>COMPLICATIONS OF INTRACORONARY ABCIXIMAB BOLUS-ONLY VERSUS STANDARD PROTOCOL DURING PERCUTANEOUS CORONARY INTERVENTION IN ACUTE CORONARY SYNDROME</td>
<td><strong>M.T. Shakoor</strong>, S. Ayub, S. Dhakam, Baystate Medical Center, Springfield, MA, USA</td>
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<td>RELATIONSHIP BETWEEN ADMISSION BLOOD GLUCOSE LEVEL AND LONG-TERM CLINICAL OUTCOME IN ACUTE MYOCARDIAL INFARCTION</td>
<td><strong>T. Nunohiro</strong>, M. Kurobe, K. Minami, S. Furudono, K. Amenomori, K. Uchida, S. Takeshita, H. Nakashima</td>
<td>Nagasaki Citizens Hospital, Nagasaki, Japan</td>
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<td><strong>A. Martínez-Rubio</strong>, E. Bosch-Peligero, M. Bonet-Alvarez, R. Flores-Clotet, M. DíazNuila-Alcazar, M. Santalo-Corcoy, E. Agut-Busquet, D. Valcarcel-Paz, J.C. Oliva-Morera, J Guindo-Soldevila</td>
<td>University Hospital of Sabadell (Univ Autonoma de Barcelona), Sabadell, Spain</td>
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### P104 DIABETES MELLITUS, OBESITY, THE METABOLIC SYNDROME AND ATHEROSCLEROSIS: BASIC AND CLINICAL (cont.)

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<td>PROGNOSTIC VALUE OF CLINIC AND AMBULATORY BLOOD PRESSURE MEASUREMENTS FOR PREDICTING THE RISK OF DEVELOPING DIABETES</td>
<td>R.C. Hermida, D.E. Ayala, A. Mojon, J.R. Fernandez, University of Vigo, Vigo, Spain</td>
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<td>H. Aggarwal, J. Liu, Brock University, St. Catharines, ON, Canada</td>
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<td>THE RELATIONSHIP BETWEEN JOB ENRICHMENT AND ABDOMINAL OBESITY: A LONGITUDINAL FIELD STUDY OF APPARENTLY HEALTHY INDIVIDUALS</td>
<td>Y. Fried, G.I. Laurence, A. Shirom, S. Melamed, S. Toker, S. Berliner, I. Shapira, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel</td>
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<td>PREVALENCE OF CORONARY ATHEROSCLEROSIS IN AN ASIAN POPULATION: FINDINGS FROM CORONARY CT ANGIOGRAPHY</td>
<td>S.M. Jung, G.M. Park, C.J. Kim, J.S. Cho, M.W. Park, S.H. Her, Y.H. Kim, Daejeon St. Mary’s Hospital, the Catholic University of Korea, Daejeon, Korea</td>
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<td>O.S. Randall, J. Kwagyan, M. Ketete, C. Bettencourt, A.R. Maqbool, S. Xu, Howard University College of Medicine, Washington, DC, USA</td>
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<td>H-S. Kim, H-R. Kim, College of Nursing, The Catholic University, Seoul, Korea</td>
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<td>EXPERIENCE WITH VENO-VENOUS ECMO IN PATIENTS WITH SEVERE ARDS, T. Strecker, J. Roesch, F. Muench, M. Weyand, Friedrich-Alexander-University Erlangen-Nuremberg, Center of Cardiac Surgery, Germany</td>
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<td>OBESITY IN PULMONARY ARTERIAL HYPERTENSION: IMPACT OF BODY MASS INDEX (BMI) ON SEVERITY AND OUTCOME, J. Nichols, D. Wilcox, R. Foley, D. Datta, University of Connecticut Health Center, Farmington, CT, USA</td>
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<td>PROCESS/OUTCOME MEASURES OF ADULT VENOUS THROMBOEMBOLUS (VTE) &amp; PULMONARY EMBOLUS (PE) PROPHYLAXIS, D.T. Gray, Agency for Healthcare Research and Quality, Rockville, MD, USA</td>
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<td>RIGHT VENTRICULAR MYOCARDIAL STRAIN TO QUANTIFY DYSFUNCTION IN SUBMASSIVE PULMONARY EMBOLISM, A.B. Malone, L.L. Eberhart, A.M. Cook, R.C. Phillion, M.F. Knox, D.E. Langholz, Spectrum Health Frederik Meijer Heart &amp; Vascular Institute, Grand Rapids, MI, USA</td>
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<td>HIGHER CYSTATIN C LEVEL PREDICTS CONTRAST INDUCED NEPHROPATHY IN PATIENTS WITH PERIPHERAL ARTERIAL DISEASE WITH PRESERVED NORMAL KIDNEY FUNCTION, Y.G. Ko, G.S. Kim, D.H. Shin, J.S. Kim, B.K. Kim, D. Choi, M.K. Hong, Y. Jang, Severance Cardiovascular Hospital, Yonsei University Health System, Seoul, Korea</td>
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<td>EFFECT OF SEMAPHORIN 3C ON ENDOTHELIAL-TO-MESEMCHYMAL TRANSITION IN POLYCYSTIC KIDNEY DISEASE, B.H. Kim, J.Y. Ko, J.H. Park, Sookmyung Women's University, Seoul, South Korea</td>
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P107  SYNCOPE AND SUDDEN DEATH: RISK ASSESSMENT AND MANAGEMENT

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29  ADMISSION POTASSIUM AND PH AS OUTCOME PREDICTORS IN OUT-OF-HOSPITAL CARDIAC ARREST PATIENTS TREATED WITH THERAPEUTIC HYPOTHERMIA
Y. Ji, M. Sidhu, M. Torosoff
Albany Medical College, Albany, NY, USA

30  UTILITY OF T-WAVE-ALTERNANS AND HEART RATE VARIABILITY FOR RISK ASSESSMENT IN BRUGADA SYNDROME
S. Sakamoto, M. Takagi, H. Tatsumi, A. Doi, M. Yoshiyama
Osaka City University Graduate School of Medicine, Osaka City, Japan

31  THE IMPACT OF VASOPRESSOR AND/OR INOTROPE USE DURING THERAPEUTIC HYPOTHERMIA ON NEUROLOGIC OUTCOME IN CARDIAC ARREST DUE TO SHOCKABLE RHYTHM
C. Parks, S.U. Nair, J. Lundbye
University of Connecticut School of Medicine, Farmington, CT, USA

32  A POTENT DOMINANT NEGATIVE MUTATION IN HERG IN A CHINESE FAMILY EXPERIENCING LONG QT SYNDROME, EPILEPSY, AND UNEXPECTED SUDDEN DEATH
G.L. Li, J.E. Wu, W.Q. Han, S.T. Ma, A.F. Zhang, G. Cheng, X.X. Xue, C.F. Sun
The First Affiliated Hospital, Xi’an Jiaotong University College of Medicine, Xi’an, Shaanxi, China

33  SUDDEN CARDIAC DEATH IN SUB-SAHARAN AFRICA: PERSPECTIVES FROM UNIVERSITY OF MAIDUGURI TEACHING HOSPITAL, NIGERIA
M.A. Talle, B. Bakki, F. Buba, C.O. Anjorin, H. Yusuph, A. Kane, A. Bonny
University of Maiduguri Teaching Hospital, Maiduguri, Borno, Nigeria

34  TRANSIENT EPISODES OF UNRESPONSIVENESS IN A PATIENT ON METHADONE
S. Kanneganti, B. Khalighi, K. Khalighi
Easton Hospital, Easton, PA, USA
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Institution</th>
<th>Title</th>
<th>Abstract No.</th>
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</thead>
<tbody>
<tr>
<td>14:00</td>
<td>Plenary Session</td>
<td>L.S. Sperling, Emory University School of Medicine, Atlanta, GA, USA</td>
<td>Time to focus on Cardiovascular Health (NOT CV Disease) (Invited Lecture)</td>
<td>073</td>
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<tr>
<td>14:15</td>
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<td>N.D. Wong, University of California, Irvine, CA, USA</td>
<td>New Guidelines on Cardiovascular Risk Assessment (Invited Lecture)</td>
<td>074</td>
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<tr>
<td>14:30</td>
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<td>M.A. Alpert, University of Missouri- Columbia School of Medicine, Columbia, MO, USA</td>
<td>Risk Factors for Cardiovascular Disease in Patients with Chronic Kidney Disease (Invited Lecture)</td>
<td>075</td>
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<tr>
<td>14:45</td>
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<td>M.E. Farkouh, Toronto General Hospital, Toronto, ON, Canada</td>
<td>The Influenza Vaccine- Preventing Cardiovascular Events in High-Risk Patients (Invited Lecture)</td>
<td>076</td>
</tr>
<tr>
<td>15:00</td>
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<td>L.M. Biasucci, Policlinico A. Gemelli, Catholic University of the Sacred Heart, Rome, Italy</td>
<td>Twenty Years of C-Reactive Protein in Cardiology: Still an Appealing Marker of Disease? (Invited Lecture)</td>
<td>077</td>
</tr>
<tr>
<td>15:15</td>
<td></td>
<td>A. Tamura, Oita University, Yufu, Japan</td>
<td>Association between Obstructive Sleep Apnea and Coronary Artery Disease (Invited Lecture)</td>
<td>078</td>
</tr>
<tr>
<td>15:30</td>
<td></td>
<td>F.V. Mody, VA Greater Los Angeles HCS, CA, USA</td>
<td>Integrative and Complementary Medicine in Cardiology: New Hope or Just Hip and Hype? (Invited Lecture)</td>
<td>079</td>
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<tr>
<td>15:45</td>
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<td>S. Malik, UC Irvine, CA, USA</td>
<td>Women and Heart Disease: Update on Prevention (Invited Lecture)</td>
<td>080</td>
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<tr>
<td>16:00</td>
<td></td>
<td>P. Agasthi, S. Levis-Dusseau, L. Tamariz, University of Miami, Miami, Florida, USA</td>
<td>Association between Serum Vitamin D Levels and Atherosclerosis: A Meta Analysis</td>
<td>081</td>
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<tr>
<td>16:15</td>
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<td></td>
<td>Coffee Break, Visit Posters and Exhibition</td>
<td></td>
</tr>
</tbody>
</table>
PL05  Plenary Session

PREDICTION AND PREVENTION OF SUDDEN CARDIAC DEATH

Chairs: M.E. Cain, Buffalo, NY, USA
A.B. Curtis, Buffalo, NY, USA

14:00 POTENTIAL THERAPY FOR THE PREVENTION OF SUDDEN CARDIAC DEATH (Invited Lecture)
N.S. Dhalla, St. Boniface General Hospital Research Centre, University of Manitoba, Winnipeg, Canada

14:15 PREDICTION OF ARRHYTHMIC EVENTS WITH POSITRON EMISSION TOMOGRAPHY (Invited Lecture)
M.E. Cain, University at Buffalo, Buffalo, NY, USA

14:30 CLINICAL EFFECTIVENESS OF CRT AND ICD THERAPY IN PATIENTS WITH HEART FAILURE BY RACE AND GENDER: FINDINGS FROM IMPROVE HF (Invited Lecture)
A.B. Curtis, University at Buffalo, Buffalo, NY, USA

14:45 MITOCHONDRIAL DYSFUNCTION AND ARRHYTHMIC RISK: POSSIBLE NEW THERAPIES FOR SUDDEN DEATH (Invited Lecture)
C. Rutledge, K.C. Yang, M. Liu, H. Liu, S.C. Dudley
Brown University, Providence, RI, USA

15:00 PREVENTION OF SUDDEN CARDIAC DEATH DURING SPORTS: THE POWER OF PRE-PARTICIPATION SCREENING (Invited Lecture)
D. Corrado, University of Padua Medical School, Padova, Italy

15:15 THE SHORT QT SYNDROME AND SUDDEN CARDIAC DEATH (Invited Lecture)
M.H. Gollob, University of Ottawa Heart Institute, Ottawa, ON, Canada

15:30 ABLATION OF IDIOPATHIC VENTRICULAR TACHYCARDIA (Invited Lecture)
K.S. Srivathsan, Mayo Clinic, Arizona, USA

15:45 A CASE OF ORTHOSTATIC HYPOTENSION AND RECENT ADVANCES (Invited Lecture)
G.L. Fung, UCSF Medical Center at Mt. Zion, San Francisco, CA, USA

16:00 NON-INVASIVE RISK STRATIFICATION IN BRUGADA SYNDROME WITHOUT HISTORY OF CARDIAC ARREST: PROGNOSTIC VALUE OF J-WAVE AND ST-SEGMENT MORPHOLOGY (Invited Lecture)
M. Takagi, Osaka City University Graduate School of Medicine, Osaka, Japan

16:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION
SATURDAY, JULY 26, 2014

14:00 – 16:45 Nantucket

**PL06 Plenary Session**

**INFLAMMATION AND CARDIOVASCULAR DISEASE MECHANISMS**

Chairs: **A.A. Knowlton**, Davis, CA, USA  
**A.K. Srivastava**, Montreal, QC, Canada

Abstract No.

14:00 **INNATE IMMUNITY AND HEART DISEASE** (Invited Lecture)  
**A.A. Knowlton**, University of California, Davis, CA, USA  

14:15 **ROLE OF ENDOTHELIN-1 AND CAMKINASE II SIGNALING IN CARDIOVASCULAR COMPLICATIONS** (Invited Lecture)  
**A.K. Srivastava**, CRCHUM, University of Montreal, Montreal, QC, Canada

14:30 **INFLAMMATION AND POST-ISCHEMIC CARDIAC REMODELING: MOLECULAR MECHANISMS AND THERAPEUTIC PERSPECTIVES** (Invited Lecture)  
**J.S. Silvestre**, Paris-Centre de Recherche Cardiovasculaire, Paris, France

14:45 **EPIGENETIC REGULATION OF LAMINAR FLOW-MEDIATED GENES AND Atherosclerosis** (Invited Lecture)  
**Z-G. Jin**, University of Rochester School of Medicine and Dentistry, New York, USA

15:00 **NOVEL ALTERNATIVE MECHANISMS OF CARDIOVASCULAR CALCIFICATION** (Invited Lecture)  
**E. Aikawa**, Harvard Medical School, Brigham and Women’s Hospital, Boston, MA, USA

15:15 **PHARMACOLOGICAL MODULATION OF ANGIOTENSIN-II-INDUCED ARTERIAL MONONUCLEAR CELL ADHESION BY NUCLEAR RECEPTORS ACTIVATION** (Invited Lecture)  
**M.J. Sanz**, Institute of Health Research INCLIVA, Universidad de Valencia, Spain

15:30 **TRAINING OF CARDIOVASCULAR PHYSICIAN-SCIENTISTS: RESULTS OF SPECIFIC TRAINING PATHWAYS** (Invited Lecture)  
**J.D. Marsh**, University of Arkansas for Medical Sciences, Little Rock, AR, USA

15:45 **ENDOGENOUS MODULATION OF EXTRACELLULAR MATRIX PROTEINS DURING SCAR FORMATION AFTER MYOCARDIAL INFARCTION**  
S. Simsekylmaz, A. Curaj, M. Staudt, M. Rusu, P. Boor, X. Li, O. Bucur, T.T. Soenmez, A. Schuh, **E.A. Liehn**  
Institute for Molecular Cardiovascular Research (IMCAR), RWTH Aachen University, Germany

16:00 **REGULATION OF ENDOTHELIAL VCAM-1 EXPRESSION VIA MODULATION OF ANTI-OXIDANT PATHWAY**  
**A. Ziaei**, S. Masli  
Boston University School of Medicine, Boston, MA, USA
<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>16:15</td>
<td>CHRONIC KIDNEY DISEASE AUGMENTS CARDIOVASCULAR RISK: MODULATION OF MYOCARDIAL BLOOD FLOW REGULATION AND CYP450 ARACHIDONIC ACID METABOLITES</td>
<td>J.G. Kingma, D. Simard, D. Patoine, S. Pilote, B. Drolet, J.R. Rouleau, C. Simard, Laval University, Quebec, Canada</td>
</tr>
<tr>
<td>16:30</td>
<td>ROLE OF NON-GENOMIC SIGNALING IN THE TISSUE SPECIFIC AND VASCULAR PROTECTIVE EFFECTS OF ESTROGEN</td>
<td>G.R. Schnitzler, S.J. Bernelot Moens, C.D. Vallaster, F.K. Gordon, M. Nickerson, H. Guo, Q. Lu, R.H. Karas, Tufts Medical Center, Boston, MA, USA</td>
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<tr>
<td>16:45</td>
<td>COFFEE BREAK, VISIT POSTERS AND EXHIBITION</td>
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</table>
S22  
Session  
NEW DIRECTIONS IN CARDIOVASCULAR SURGERY  

Chairs: M.R. Movahed, Tucson, AZ, USA  
F.W. Sellke, Providence, RI, USA

14:00  
CHARACTERIZATION OF READMISSIONS IN THE LVAD SUPPORTED HEART FAILURE POPULATION  
Providence Sacred Heart Medical Center, Spokane, WA, USA  
Abstract No. 103

14:15  
CAN BLOOD TYPE O PATIENTS ON LVADS BE AT INCREASED RISK FOR GI BLEEDS?  
Providence Sacred Heart Medical Center, Spokane, WA, USA  
Abstract No. 104

14:30  
PARADOXICAL ASSOCIATION OF SMOKING AND OUTCOMES AMONG HEART TRANSPLANT RECIPIENTS  
New York Medical College, Valhalla, NY, USA  
Abstract No. 105

14:45  
PROENKEPHALIN PREDICTS ACUTE KIDNEY INJURY IN CARDIAC SURGERY PATIENTS  
K.S. Shah, P.R. Taub, M. Patel, M. Exner, J. Struck, P. Clopton, A. Maisel  
VA San Diego Healthcare System, San Diego, CA, USA  
Abstract No. 106

15:00  
QUALITY OF LIFE OUTCOMES IN ELDERLY PATIENTS UNDERGOING CORONARY ARTERY BYPASS GRAFT SURGERY: WHAT IS THE EVIDENCE?  
Royal Prince Alfred Hospital, Sydney, NSW, Australia  
Abstract No. 107

15:15  
RELATIONSHIP BETWEEN THE ANGIOGRAPHICALLY DERIVED SYNTAX SCORE AND OUTCOMES IN HIGH-RISK PATIENTS UNDERGOING PERCUTANEOUS CORONARY INTERVENTION  
S.J. Brener, A.J. Prasad, R. Abdula, T.J. Sacchi  
NY Methodist Hospital, Brooklyn, NY, USA  
Abstract No. 108

15:30  
MANAGEMENT OF HEPARIN INDUCED THROMBOCYTOPENIA AND LEFT VENTRICULAR THROMBUS IN A PATIENT WITH CARDIOGENIC SHOCK  
H. Keshmiri, B. Mohamedali, G. Bhat, A. Tatooles, G. Sayer  
University of Illinois at Chicago/ Advocate Christ Medical Center, Chicago, IL, USA  
Abstract No. 109
SATURDAY, JULY 26, 2014

14:00 – 16:15 Adrienne Salon

S22 Session
NEW DIRECTIONS IN CARDIOVASCULAR SURGERY (cont.)

Abstract No.

15:45 IS PRIOR CORONARY REVASCULARIZATION RELATED TO HIGHER MORTALITY RATE IN A HIGH RISK US VETERAN POPULATION? A. Patel, M.B. Quraishi, O.I. Mufti, R. Markert, A. Agarwal Wright State University Boonshoft School of Medicine, Dayton, OH, USA

16:00 AORTOESOPHAGEAL FISTULA AFTER THORACIC ENDOVASCULAR AORTIC STENT-GRAFT PLACEMENT: A POTENTIAL FATAL COMPLICATION M.S. Rawala, R. Ali, A. Nanjundappa Charleston Area Medical Center, Charleston, WV, USA

16:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION
SATURDAY, JULY 26, 2014

16:45 – 19:00 Grand Ballroom

PL07 Plenary Session

**GENETIC ASPECTS OF CARDIOVASCULAR DISEASE / STEM CELL AND GENE THERAPY**

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

Abstract No.

16:45  
**GENETIC DISRUPTION OF NPR1 UPREGULATES CARDIAC EXPRESSION OF PROINFLAMMATORY MEDIATORS** (Invited Lecture)  
**K.N. Pandey**, Tulane University School of Medicine, New Orleans, LA, USA

17:00  
**STEM CELL-DERIVED MEGAKARYOCYTES: TOWARDS UNDERSTANDING GENETIC CONTROL OF PLATELET FUNCTION** (Invited Lecture)  
**L.C. Becker**, Johns Hopkins University School of Medicine, Baltimore, MD, USA

17:15  
**STEM CELL AND GENE THERAPY FOR HEART FAILURE** (Invited Lecture)  
**L.W. Miller**, University of South Florida, Tampa, FL, USA

17:30  
**MECHANOSENSITIVE MICRORNAS IN ENDOTHELIAL INFLAMMATION AND ATHEROSCLEROSIS: PREVENTION OF ATHEROSCLEROSIS BY ANTI-MIR-712 IN MICE** (Invited Lecture)  
**H. Jo**, Dept. of Biomedical Engineering, Emory University, Atlanta, GA, USA

17:45  
**CARBON NANOTUBES SCAFFOLDS AS A NEW BASIS FOR CARDIAC TISSUE ENGINEERING** (Invited Lecture)  
**C. Long**, L. Mestroni, University of Colorado Health Sciences Center, Denver Health Medical Center, Denver, CO, USA

18:00  
**THE ROLE OF PROGENITOR CELLS IN ATHEROSCLEROSIS** (Invited Lecture)  
**N.M. Caplice**, University College Cork, Cork, Ireland

18:15  
**GENETIC FACTORS INFLUENCING CAROTID ARTERY SIZE IN AMERICAN INDIANS** (Invited Lecture)  
**J.N. Bella**, Bronx-Lebanon Hospital Center, Bronx, NY, USA

18:30  
**GENETIC DISCOVERY OF CVD IN DIABETIC PATIENTS** (Invited Lecture)  
**L. Qi**, Harvard School of Public Health, Boston, MA, USA

18:45  
**CILIA AND CONGENITAL HEART DISEASE: WHAT IS THE CONNECTION?** (Invited Lecture)  
**M. Zahid**, University of Pittsburgh, Pittsburgh, PA, USA
SATURDAY, JULY 26, 2014

16:45 – 19:00

Martha’s Vineyard

PL08  Plenary Session

MECHANISMS OF ACUTE CORONARY SYNDROME: FROM BENCH TO BEDSIDE

Chairs: J.G. Filep, Montreal, QC, Canada
        S. Schaefer, Davis, CA, USA

Abstract No.

16:45  TOLL-LIKE RECEPTOR 9 REGULATION OF COAGULATION IN ACUTE
       CORONARY ARTERY DISEASE (Invited Lecture)
       J.G. Filep, Maisonneuve-Rosemont Hospital, Montreal, QC, Canada

17:00  HIGH SENSITIVITY CARDIAC TROPONIN – A CARDIOLOGIST’S
       FRIEND OR FOE? (Invited Lecture)
       S. Schaefer, University of California, Davis, CA, USA

17:15  THE EVOLUTION OF ANTIPLATELET THERAPY FOR ACS –
       FROM BENCH TO BEDSIDE (Invited Lecture)
       S.J. Brener, NY Methodist Hospital, NY, USA

17:30  INTRODUCTION OF A MOUSE MODEL THAT REFLECTS HUMAN
       AHEROSCLEROTIC PLAQUE INSTABILITY AND RUPTURE: A UNIQUE TOOL
       FOR DISCOVERY OF STRATEGIES TOWARDS PLAQUE PACIFICATION AND
       ULTIMATELY PREVENTION OF MYOCARDIAL INFARCTION (Invited Lecture)
       K. Peter, Baker IDI Heart and Diabetes Institute, Victoria, Australia

17:45  IMPAIRED ENDOGENOUS THROMBOLYSIS- A NOVEL, POINT-OF-CARE
       BIOMARKER PREDICTIVE OF ADVERSE CARDIOVASCULAR EVENTS
       (Invited Lecture)
       D.A. Gorog, Imperial College, London, UK

18:00  TRIGGERS OF ACUTE CARDIOVASCULAR EVENTS:
       CLINICAL IMPLICATIONS (Invited Lecture)
       M. Madjid, Texas Heart Institute, Houston, TX, USA

18:15  INTRAVASCULAR NEAR-INFRARED FLUORESCENCE MOLECULAR
       IMAGING OF INFLAMED PLAQUES (Invited Lecture)
       E.A. Osborn, Massachusetts General Hospital, Boston, MA, USA

18:30  EVOLVING ROLE OF PLATELET FUNCTION TESTING IN ACUTE
       CORONARY SYNDROMES (Invited Lecture)
       R.K. Sharma, University of Arkansas Medical Science, Little Rock, AR, USA

18:45  RISK STRATIFICATION OF VERY LATE DES FAILURE BY THE
       EVALUATION OF NEOATHEROSCLEROSIS (Invited Lecture)
       Y. Ueda, Osaka Police Hospital, Osaka University Graduate School
       of Medicine, Japan
SATURDAY, JULY 26, 2014

16:45 – 19:45 Nantucket

S23 Session

VALVULAR HEART DISEASE: MECHANISMS AND TREATMENT OPTIONS

Chairs: H.P. Chaliki, Scottsdale, AZ, USA
        N.T. Olsen, Copenhagen, Denmark

Abstract No.

16:45 SEVERE LEFT VENTRICULAR DYSFUNCTION IS NOT A CONTRAINDICTION TO AORTIC VALVE REPLACEMENT FOR AORTIC INSUFFICIENCY
Brigham and Women’s Hospital, Boston, MA, USA

17:00 OUTCOMES OF A HYBRID APPROACH OF PERCUTANEOUS CORONARY INTERVENTION FOLLOWED BY MINIMALLY INVASIVE AORTIC VALVE REPLACEMENT
Mount Sinai Medical Center, Miami Beach, FL, USA

17:15 DOES VALVULOARTERIAL IMPEDANCE IMPACT PROGNOSIS AFTER SURGERY FOR SEVERE AORTIC STENOSIS IN THE ELDERLY?
M. Katayama, M.Q. Najib, P. Marella, E.M. McMahon, M. Belohlavek, H.P. Chaliki, Mayo Clinic, Scottsdale, AZ, USA

17:30 NATIONWIDE TRENDS IN THE INCIDENCE AND OUTCOMES OF ACUTE RHEUMATIC FEVER IN THE UNITED STATES
New York Medical College, Valhalla, NY, USA

17:45 HYBRID APPROACH OF PERCUTANEOUS CORONARY INTERVENTION AND MINIMALLY INVASIVE MITRAL VALVE SURGERY IN PATIENTS WITH CORONARY ARTERY AND MITRAL VALVE DISEASE
Mount Sinai Medical Center, Miami Beach, FL, USA

18:00 MINIMALLY INVASIVE ISOLATED AORTIC VALVE REPLACEMENT IN OCTOGENARIANS
Mount Sinai Medical Center, Miami Beach, FL, USA

18:15 FACTORS ASSOCIATED WITH PROCEDURAL FAILURE AND COMPLICATIONS FOLLOWING TRANSCATHETER AORTIC VALVE REPLACEMENT
K.B. Shah, B.B. Padaliya, R.S. Boxer, J.M. Albert, B.D. Hoit
University Hospitals Case Medical Center, Cleveland, OH, USA
Abstract No.

18:30 THE EFFECT OF LOW EJECTION FRACTION IN ISOLATED AORTIC INSUFFICIENCY ON LEFT VENTRICULAR REMODELING AFTER AORTIC VALVE REPLACEMENT
Y. Ozen, S. Sarikaya, O. Altas, E. Kafali, M.B. Rabus, K. Kirali
Kosuyolu Heart Training and Research Hospital, Istanbul, Turkey

18:45 MINIMALLY INVASIVE AORTIC VALVE REPLACEMENT IMPROVES OUTCOMES OF REOPERATIVE AORTIC VALVE REPLACEMENT
Brigham and Women’s Hospital, Boston, MA, USA

19:00 THE PROFOUND IMPACT OF DILATED LEFT VENTRICULAR OUTFLOW TRACT ON DOPPLER STROKE VOLUME AND AORTIC VALVE AREA ESTIMATION
A.S. Ayyoub, M. Habashy-Ibrahim, R. Doane, S.B. Labib
Lahey Hospital and Medical Center, Burlington, MA, USA

19:15 A NEW AORTOTOMY TECHNIQUE FOR AORTIC VALVE REPLACEMENT: REVERSE ‘U’ AORTOTOMY (KIRALI INCISION)
K. Kirali
Kartal Kosuyolu Heart Education and Research Hospital, Istanbul, Turkey

19:30 A SYSTEMATIC REVIEW ON THE QUALITY OF LIFE BENEFITS AFTER AORTIC VALVE REPLACEMENT SURGERY IN THE ELDERLY
Royal Prince Alfred Hospital, Sydney, NSW, Australia
S24  
**Session**

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

**Chairs:**  
Y. Charuzi, Los Angeles, CA, USA  
R.C. Hermida, Vigo, Spain

**Abstract No.**

16:45  
**HYPERTENSION WAS NOT A PREDICTOR OF CLINICAL EVENTS AT ONE-YEAR IN PATIENTS WITH ACUTE ST-ELEVATION MYOCARDIAL INFARCTION WHO UNDERWENT PRIMARY CORONARY INTERVENTION**  
Pusan National University Hospital, Busan, South Korea

17:00  
**ASLEEP BLOOD PRESSURE IS AN INDEPENDENT PREDICTOR OF CARDIOVASCULAR EVENTS: THE HYGIA PROJECT**  
University of Vigo, Vigo, Spain

17:15  
**UNCONTROLLED HYPERTENSION IN UGANDA: A COMPARATIVE CROSS SECTIONAL STUDY**  
G. Musinguzi, J.P. Vangeertruyden, H. Bastiaens, F. Nuwaha  
Makerere University School of Public Health, Kampala, Uganda

17:30  
**CYP2D6 GENETIC INFORMATION-GUIDED METOPROLOL USE IN A CARDIOLOGY CLINIC – A PERSPECTIVE STUDY**  
B. Khalighi, Y. Wu, W.Q. Fan, A. Mirabbasi, R. Thachil, E.J. Mascarenhas, K. Khalighi  
Temple University, Philadelphia, PA, USA

17:45  
**GASTRIN AND D1 DOPAMINE RECEPTOR INTERACT TO INDUCE NATRIURESIS AND DIURESIS**  
Daping Hospital, The Third Military Medical University, Chongqing, P.R. China

18:00  
**COMPARISON OF ILOPROST AND NITRIC OXIDE FOR TREATMENT OF PULMONARY HYPERTENSION IN THE SETTING OF CARDIOVASCULAR SURGERY-A META-ANALYSIS**  
J.M. Martinez, P. Vijayvargiya, L. Tamariz, S. Chaparro  
University of Miami Miller School of Medicine Regional Campus, Atlantis, FL, USA

18:15  
**SLEEP-TIME, NOT AWAKE BLOOD PRESSURE, DETERMINES THE TRUE PROGNOSTIC VALUE OF MASKED HYPERTENSION**  
University of Vigo, Vigo, Spain
18:30 DECODING WHITE COAT HYPERTENSION
D.A. Bloomfield
Richmond University Medical Center, Staten Island, NY, USA

18:45 ANTIHYPERTENSIVE EFFICACY OF CHLORTHALIDONE- VERSUS HYDROCHLOROTHIAZIDE- ANGIOTENSIN RECEPTOR BLOCKER COMBINATION THERAPY: A META-ANALYSIS OF RANDOMIZED TRIALS
M.N. Miller, E Mora-Garzon, R Chait, L Tamariz
University of Miami Palm Beach Regional Campus, Atlantis, FL, USA

19:00 INFLUENCE OF LONG TERM THERAPY WITH VALSARTAN, EPROSARTAN OR LOSARTAN ON DIASTOLIC DYSFUNCTION AND NT-PROBNP LEVEL IN HYPERTENSIVES
L.T. Popescu, N.C. Sapojnic, A.P. Caraush, O.S. Calenici
Institute of Cardiology, Chisinau, Moldova

19:15 LEFT VENTRICULAR SYSTOLIC AND DIASTOLIC FUNCTION DURING PERMISSIVE HYPERTENSION IN ACUTE ISCHEMIC STROKE
The Medical City, Pasig City, Philippines
### SATURDAY, JULY 26, 2014

**13:30 – 18:30  **  
**Poster Hall**

#### P201  NOVEL DIAGNOSTIC METHODS AND IMAGING TECHNIQUES

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<th>Abstract No.</th>
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<th>Authors</th>
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<tr>
<td>1</td>
<td>153</td>
<td>A RETROSPECTIVE CHART REVIEW TO DETERMINE PROPER STRESS TEST UTILIZATION IN LOW RISK CHEST PAIN PATIENTS</td>
<td>Y. Nawaz, B. Ayub</td>
<td>Lehigh Valley Health Network, Allentown, PA, USA</td>
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<tr>
<td>2</td>
<td>154</td>
<td>INFLUENCE OF PROCEDURE TIME ON HEMOGLOBIN DROP AS A COMPONENT OF MAJOR BLEEDING DEFINITION IN PRIMARY PERCUTANEOUS CORONARY INTERVENTION IN US ACADEMIC CENTER</td>
<td>S. Shawar, M. Alghrouz, O. Alasad, A. Tayyem, M. Bheemarasetti, A.R. Alemam, S. Gilani, W. Khalife</td>
<td>University of Texas Medical Branch, Galveston, TX, USA</td>
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<tr>
<td>3</td>
<td>155</td>
<td>US ACADEMIC CENTER EXPERIENCE IN DOING PRIMARY PERCUTANEOUS CORONARY INTERVENTION USING VARIOUS BLEEDING AVOIDANCE STRATEGIES</td>
<td>M. Alghrouz, S. Shawar, O. Alasad, A. Tayyem, M. Bheemarasetti, A.R. Alemam, S. Gilani, W. Khalife</td>
<td>University of Texas Medical Branch, Galveston, TX, USA</td>
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<td>4</td>
<td>156</td>
<td>STUDY THE HEMODYNAMIC COMPONENTS OF ICU (INTENSIVE CARE UNIT) PATIENTS WITH USCOM</td>
<td>M. Hashemian, N. Asadinia, M. Nourizadeh, A. Jamaati, M. Ghahremani, Z. Ahmadi, A.R. Asareh</td>
<td>Maseeh Daneshvari Hospital, Shaheed beheshti University, Tehran, Iran</td>
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#### P202  CAD: SECONDARY PREVENTION, CARDIAC REHAB, PROGNOSIS

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<tr>
<td>5</td>
<td>157</td>
<td>LIPID LEVELS IN PATIENTS AFTER PERCUTANEOUS CORONARY INTERVENTION IN THE REAL LIFE</td>
<td>A. Martinez-Rubio, E. Bosch-Peligero, R. Flores-Clotet, M. Bonet-Alvarez, D. Valcarzel-Paz, M. DiazNuila-Alcazar, M. Santalo-Corcoy, E. Agut.Busquet, J.C. Oliva-Morera, J. Guindo-Soldevila</td>
<td>University Hospital of Sabadell (Univ Autonoma de Barcelona), Sabadell, Spain</td>
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<td>TYPE D PERSONALITY PREDICTS RISK FACTORS AND CLINICAL OUTCOMES IN POST ACUTE CORONARY SYNDROME PATIENTS</td>
<td>A.L. Arrebola-Moreno, D. Petrova, R. Garcia-Retamero, A. Melgares-Moreno, J.A. Ramirez-Hernandez, A. Catena</td>
<td>Virgen de las Nieves University Hospital, Granada, Spain</td>
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<td>7</td>
<td>PSYCHOLOGICAL DISTRESS AND RECURRENT CARDIAC EVENTS AFTER PERCUTANEOUS CORONARY INTERVENTION</td>
<td>J.H. Park, S.H. Bae</td>
<td>Ajou University, Suwon, Gyeonggi, South Korea</td>
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<td>TRANSITIONAL NURSING CARE PROGRAM FOR PATIENTS UNDERGOING PERCUTANEOUS CORONARY INTERVENTION_</td>
<td>S.H. Bae, J.H. Park</td>
<td>College of Medicine, Dong-A University, Busan, Republic of Korea</td>
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<td>A COMPARISON OF THE SIX MINUTE WALK TEST AND THE SUB MAXIMAL STRESS TEST FOR ASSESSMENT OF FUNCTIONAL STATUS PRIOR TO PARTICIPATION IN CARDIAC REHABILITATION</td>
<td>J. Yee, J. Onwuchekwa, Z. Chen, R. Leaverton, S. Smalling, M. Lerman, F. Fuentes</td>
<td>Icahn School of Medicine at Mount Sinai, Queens Hospital Center, Jamaica, NY, USA</td>
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<td>EXERCISE IMPROVES CARDIAC FUNCTION IN DIABETIC RATS</td>
<td>T.H. Ko, D.Y. Seo, S.R. Lee, N. Kim, J. Han</td>
<td>Cardiovascular and Metabolic Disease Center, Inje University, Busan, Korea</td>
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<td>THE EFFECTS OF PSYCHOLOGICAL STRESS IN BLOOD PRESSURE DURING EXERCISE TESTING</td>
<td>V.C. Romero, E.R. Silva, J.J. Villasmil, G.A. Bermudez, F. Madueno</td>
<td>Institutes of Cardiovascular Disease of Luz Maracaibo, Zulia, Venezuela</td>
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### P204 DIAGNOSTIC ELECTROPHYSIOLOGY AND ABLATION

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**13 MODIFIED HATCH SCORE PREDICTS 6-MONTH RECURRENCE OF ATRIAL FIBRILLATION AFTER PULMONARY VEIN ISOLATION: DATA FROM THE UNIVERSITY OF MASSACHUSETTS ATRIAL FIBRILLATION REGISTRY**

University of Massachusetts Medical School, Worcester, MA, USA

**14 USE OF VASCULAR COLLAGEN SEALING DEVICE TO CLOSE VASCULAR ACCESS IN PATIENTS UNDERGOING ELECTROPHYSIOLOGICAL PROCEDURES**

I. Maraj, A.S. Budzikowski, S. Kumar, W. Ali, C. Mitre, J.T. Kassotis
SUNY Downstate Medical Center, Brooklyn, NY, USA

**15 TRENDS AND OUTCOMES IN CATHETER ABLATION OF VENTRICULAR TACHYCARDIA IN ISCHEMIC CARDIOMYOPATHY**

New York Medical College, Valhalla, NY, USA

**16 PROCEDURAL TIME IMPROVES WITH OPERATOR EXPERIENCE IN PULMONARY VEIN ISOLATION USING THE CRYOBALLOON**

J.M. Kirzner, J.S. Snow, S.R. Bender, S.P. Parekh
Island Cardiac Specialists, Garden City, New York, USA

**17 EFFECT OF LEFT ATRIAL SIZE AND PRESSURE ON ABLATION TIME AND CLINICAL OUTCOMES WITH CRYOABLATION USING NEW GENERATION ARCTIC FRONT ADVANCE BALLOON IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION**

S. Banga, N. Chalfoun, A. Gauri, D. Elmouchi, M. Dahu, B. Finta
Frederik Meijer Heart & Vascular Institute, Spectrum Health, Grand Rapids, MI, USA

**18 FOOD IN THE BRAIN: A RARE COMPLICATION OF LEFT-ATRIAL ABLATION**

H. Keshmiri, J. Ziffr, K. Wells, M. Wichter
University of Illinois at Chicago/ Advocate Christ Medical Center, Chicago, IL, USA
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<td>University of Kansas, Kansas City, KS, USA</td>
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<td>H. Paydak, S Pant, K Siddique, D Singh</td>
<td>University of Arkansas for Medical Sciences, Little Rock, AR, USA</td>
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<td>A. Gupta, F. Subzposh, H. Saltzman, S.P. Kutalek</td>
<td>Drexel University College of Medicine, Philadelphia, PA, USA</td>
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<td>PERICARDITIS INDUCED HYponATREMIA FOLLOWING PERMANENT PACEMAKER IMPLANTATION</td>
<td>E. Rakhshan, K. Khalighi</td>
<td>Easton Hospital, Drexel University College of Medicine, Easton, PA, USA</td>
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<td>A. Kodali, K. Khalighi, O. Sharma</td>
<td>Easton Hospital, Easton, PA, USA</td>
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<td>University of Alberta, Edmonton, Alberta, Canada</td>
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<td>Z. Khalili, M. Behjati Ardekani, A. Jariani</td>
<td>Mardom Hospital, Tehran, Iran</td>
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<td>OPTICAL COHERENCE TOMOGRAPHY IMAGING OF THE PATENT DUCTUS ARTERIOSUS: FIRST KNOWN USES IN CONGENITAL HEART DISEASE</td>
<td>J.A. Hill, M. Costa, H. Bezerra, C. Snyder, T.G. Mahadevaiah, M.W. Jenkins</td>
<td>Rainbow Babies &amp; Children’s Hospital, University Hospitals Case Medical Center Cleveland, OH, USA</td>
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<td>A. Stefanescu, O. Hsin, H. Kamin, E. Oglesbee, J.D. Serfas, B. Masek, R. Liberthson, A. Bhatt</td>
<td>Massachusetts General Hospital, Boston, MA, USA</td>
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<td>Universidad Libre, Cali, Colombia</td>
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<td>D.L. Cortez, A.C. McCanta, P.N. Jones</td>
<td>Children’s Hospital of Colorado, Aurora, CO, USA</td>
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SATURDAY, JULY 26, 2014

13:30 – 18:30  Poster Hall

P207  MISCELLANEOUS

Board No.  Abstract No.

31  ACCURATE MURMUR RECOGNITION IN CARDIOLOGISTS – PREMATURE REQUIEM OR PHOENIX RISING?
Y. Nawaz, M.W. Martinez, M.J. Barrett
Lehigh Valley Health Network, Allentown, PA, USA

32  TRANSFUSIONS ASSOCIATED WITH LEFT HEART CATHETERIZATION IN PATIENTS WITH CIRRHOSIS AND THROMBOCYTOPENIA
F. Shah, C.P. Mehta, D. Doukas, A. Darki
Loyola University Medical Center, IL, USA

33  CARDIAC ABNORMALITIES IN PRE-HEMATOPOIETIC STEM CELL TRANSPLANTATION EVALUATION OF MULTIPLE MYELOMA
Istanbul Science University, Istanbul, Turkey

34  PROGRESSION OF CAROTID ARTERIOSCLEROSIS MAY NOT BE ASSOCIATED WITH CEREBRAL INFARCTION
N. Tanji, T. Matsubara, J. Suzuki, E. Mori, T. Kon, T. Tabata, E. Matsubara, T. Tomaru
Toho University Sakura Hospital, NTT East, Japan
SUNDAY, JULY 27, 2014

08:30 – 11:15 Grand Ballroom

PL09 Plenary Session
PATHOGENESIS, DIAGNOSIS AND TREATMENT OF AORTIC ANEURYSM AND PERIPHERAL ARTERY DISEASE

Abstract No.

Chairs: S.M. Butman, Cottonwood, AZ, USA
R. Manfredini, Ferrara, Italy

08:30 TEMPORAL VARIATION IN ACUTE AORTIC DISEASES: ONLY A RANDOM PHENOMENON? (Invited Lecture)
R. Manfredini, University of Ferrara, Italy

08:45 SUCCESSFUL EVAR PROGRAM FOR AAA IN A RURAL HOSPITAL (Invited Lecture)
S.M. Butman, J. Schor
Verde Valley Medical Center, Cottonwood, AZ, USA

09:00 REGULATORY T CELLS IN ABDOMINAL AORTIC ANEURYSMS (Invited Lecture)
Y. Zhou, J.S. Lindholt, W. Wu, P. Libby, G.P. Shi
Brigham and Women’s Hospital, Boston, MA, USA

09:15 GUILT BY ASSOCIATION: A PARADIGM FOR DETECTING A SILENT KILLER (THORACIC AORTIC ANEURYSM) (Invited Lecture)
J.A. Elefteriades, Yale University School of Medicine, New Haven, CT, USA

09:30 CONTRADICTORY EFFECTS OF HYPERLIPIDEMIA AND DIABETES MELLITUS ON PROGRESSION OF ABDOMINAL AORTIC ANEURYSM: PATHOBIOLOGICAL MECHANISMS (Invited Lecture)
The Hebrew University of Jerusalem, Jerusalem, Israel

09:45 MOLECULAR DRIVERS OF VASCULAR REMODELING (Invited Lecture)
Z. Galis, Division of Cardiovascular Sciences, NIH, Bethesda, MD, USA

10:00 POLYVASCULAR DISEASE: VASCULAR FUNCTION, IMAGING AND TREATMENT (Invited Lecture)
T. Tomaru, T. Matsubara, E. Mastubara, Toho University Sakura Hospital, Japan

10:15 USE OF FRACTION FLOW RESERVE TO PREDICT CHANGES OVER TIME IN MANAGEMENT OF SUPERFICIAL FEMORAL ARTERY (Invited Lecture)
A.S. Lotfi, S.K. Sivalingam, G.R. Giugliano, J. Ashraf, P. Visintainer
Tufts University School of Medicine, Baystate Medical Center, Springfield, MA, USA

10:30 PERIPHERAL BLOOD- BUT NOT BONE MARROW-DERIVED ENDOTHELIAL PROGENITOR CELL THERAPY LIMITS EXPERIMENTAL ABDOMINAL AORTIC ANEURYSM DEVELOPMENT
G. Franck, J. Dai, E. Allaire, M. Gervais
CNRS EAC 7054, Paris-Est Creteil University, Creteil, France

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SUNDAY, JULY 27, 2014

08:30 – 11:15  Grand Ballroom

PL09  Plenary Session
PATHOGENESIS, DIAGNOSIS AND TREATMENT OF AORTIC ANEURYSM AND PERIPHERAL ARTERY DISEASE (cont.)

10:45  RAPAMYCIN INHIBITS THORACIC AORTIC ANEURYSM FORMATION THROUGH SUPPRESSION OF PRO-INFLAMMATORY MEDIATORS
J.M. Cao, Q.H. Wu, L. Geng, X.N. Chen, F. Wu, Y. Chen
Shanghai Jiaotong University School of Medicine Ruijin Hospital,
Shanghai, China

11:00  IS CILOSTAZOL A GOOD CHOICE TO REDUCE RESTENOSIS AFTER PERIPHERAL VASCULAR DISEASE STENTING? A META-ANALYSIS
D. Garcia, M. Ansari, R. Nascimento, A. Benjo, C. Kwarteng, A. Ferreira, C. Alfonso, C. Mendoza
University Of Miami, Miller School of Medicine/ Jackson Memorial Hospital,
FL, USA

11:15  COFFEE BREAK, VISIT POSTERS AND EXHIBITION
SUNDAY, JULY 27, 2014

08:30 – 11:00 Martha’s Vineyard

PL10  Plenary Session
CELLULAR AND MOLECULAR MECHANISMS OF CARDIOPROTECTION, CARDIAC REGENERATION AND REMODELING

Chairs: Y. Birnbaum, Houston, TX, USA
R.A. Kloner, Los Angeles, CA, USA

Abstract No.

08:30 REGULATION OF ENOS MRNA DESTABILIZATION VIA ROCK2-MEDIATED EEF1A1 PHOSPHORYLATION (Invited Lecture)
K. Noma, Y. Higashi, Y. Kihara, J.K. Liao
RIRBM, Hiroshima University, Hiroshima, Japan

08:45 INFLAMMATION INDUCED APOPTOSIS IN THE INJURED MYOCARDIUM (Invited Lecture)
D.K. Singla, University of Central Florida, Orlando, FL, USA

09:00 PRIMING THE PROTEASOME BY PKG: A NOVEL CARDIOPROTECTIVE MECHANISM OF SILDENAFIL (Invited Lecture)
X. Wang, M.J. Ranek, E.J. Terpstra
Sanford School of Medicine of the University of South Dakota, Vermillion, SD, USA

09:15 THE PIVOTAL ROLE OF L-ARGININE IN THE ISCHEMIC HEART PRECONDITIONING - A NANOMEDICAL APPROACH (Invited Lecture)
T. Malinski, S. Hollstrom, A. Jakubowski, Ohio University, Athens, OH, USA

09:30 DIABETES AND FAILED REGENERATIVE STRATEGIES (Invited Lecture)
F.W. Sellke, Alpert Medical School of Brown University, Providence, RI, USA

09:45 THE EFFECT OF BENDAVIA ON ISCHEMIA/REPERFUSION INJURY, LEFT VENTRICULAR REMODELING AND DYSFUNCTION (Invited Lecture)
Good Samaritan Hospital/USC, Los Angeles, CA, USA

10:00 TICAGRELOR LIMITS MYOCARDIAL INFARCT SIZE- AN ADENOSINE AND COX2 DEPENDENT EFFECT (Invited Lecture)
M.K. Nanwan, S. Lin, M. Kodakandla, S. Nylander, Y. Ye, Y. Birnbaum
Baylor College of Medicine, TX, USA

10:15 ROLE OF microRNA IN CARDIOPROTECTION (Invited Lecture)
R.C. Kukreja, Virginia Commonwealth University, Richmond VA, USA

10:30 ROLE OF MINOCYCLINE IN MYOCARDIAL ISCHEMIA-REPERFUSION INJURY: AN OLD DRUG WITH NEW IMPLICATIONS (Invited Lecture)
T.M. Scarabelli, St John Hospital & Medical Center/Wayne State University SOM, USA

10:45 PROLYLHYDROXYLASES IN ISCHEMIC HEART DISEASE (Invited Lecture)
N. Maulik, University of Connecticut School of Medicine, Farmington, CT, USA

11:00 COFFEE BREAK, VISIT POSTERS AND EXHIBITION
SUNDAY, JULY 27, 2014

08:30 – 11:00

Nantucket

S25  Session
CARDIOVASCULAR IMAGING MODALITIES FOR EVALUATION OF CORONARY CIRCULATION, CARDIAC STRUCTURE AND FUNCTION

Chairs: P.A. Pellikka, Rochester, MN, USA
T. Tomaru, Sakura, Japan

Abstract No.

08:30  A NEW CARDIAC MARKER DURING FIRST TRIMESTER SCREENING?
DETECTION OF FETAL PULMONARY VEINS BY DOPPLER B MODE AND X FLOW BETWEEN 12-15 WEEKS OF GESTATION
A.L. Schenone, G. Giugni, M.H. Schenone, D. Majdalany
Cleveland Clinic, Cleveland, OH, USA

08:45  THE IMPACT OF CAROTID ARTERY ATHEROSCLEROSIS ON THE RISK OF ADVERSE CARDIAC EVENTS IS DEPENDENT ON THE PRESENCE OF PRE-EXISTENT CORONARY ARTERY DISEASE
A. Steinvil, B. Sadeh, N.M. Borenstein, O. Havakuk, S. Greenberg, Y. Arbel, M. Konigstein, A. Finkelstein, S. Banai, A. Halkin
Tel Aviv Medical Center affiliated to the Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

09:00  CARDIAC MRI AS A SENSITIVE SCREENING TOOL IN MYOTONIC DYSTROPHY
S.J. Campbell, J.T. Kissel, S.V. Raman
Ohio State University, Columbus, OH, USA

09:15  VALUE OF THORACIC AORTIC CALCIUM IN PREDICTION OF OBSTRUCTIVE CORONARY ARTERY DISEASE
M. Mohammadi, J. Shirani
St. Luke’s University Health Network, Bethlehem, PA, USA

09:30  REAL TIME THREE DIMENSIONAL ECHOCARDIOGRAPHY IN VALVULAR PULMONARY STENOSIS AMONG PEDIATRIC AGE GROUP
S.S. Sheta, A.A. Abou Zeid, F.F. Shaltout, B.M. Moustafa, H.A. Abou Zekri, H.H. Barakat
Cairo University Children Hospital, Faculty of Medicine, Cairo, Egypt

09:45  A MULTIMODAL APPROACH TO IMAGE INFLAMMATORY LIPID-RICHATHEROMATA USING AN INTEGRATED HIGH-SPEED INTRAVASCULAR OCT/NIRF CATHETER WITH A FDA-APPROVED INDOCYANINE GREEN
Cardiovascular Center, Korea University Guro Hospital, Seoul, South Korea

10:00  TISSUE DOPPLER IMAGING AND LATE-ONSET ANTHRACYCLINE-INDUCED SUB-CLINICAL CARDIOVASCULAR DISEASE IN LONG TERM SURVIVORS OF CHILDHOOD CANCER
R. Prakadeshwari, A. Lorenzana, A. Prabhu, S. Szpunar, P. Anne
Children’s Hospital of Wisconsin, Wauwatosa, WI, USA
SUNDAY, JULY 27, 2014

08:30 – 11:00 Nantucket

**S25 Session**

CARDIOVASCULAR IMAGING MODALITIES FOR EVALUATION OF CORONARY CIRCULATION, CARDIAC STRUCTURE AND FUNCTION (cont.)

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**10:15** | THE RATIO OF VELOCITY TIME INTEGRAL OF LEFT VENTRICULAR OUTFLOW TRACT TO THE DESCENDING AORTA IS FIXED AND USEFUL FOR INTERNAL VALIDATION

*R. Ranjan, E. Velez, A. Haldipur, N.B. Schiller*

University of California, San Francisco, San Francisco, USA

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**10:30** | CORONARY ARTERY DISEASE IN ASYMPTOMATIC MALE ATHLETES AGED 45 YEARS OR OLDER WITH A LOW ESC SCORE RISK: THE EMERGING ROLE OF CORONARY CT ANGIOGRAPHY


University Medical Center Utrecht, Utrecht, The Netherlands

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**10:45** | ECHOCARDIOGRAPHIC PREDICTORS OF ATRIAL FIBRILLATION PREVALENCE IN PATIENTS ON HEMODIALYSIS

*T.A. Ahmad, P. Bhattacharya, V.K. Narasimha, A. Bhardwaj*

Penn State Hershey Medical Center, Hershey, PA, USA

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**11:00** | COFFEE BREAK, VISIT POSTERS AND EXHIBITION
SUNDAY, JULY 27, 2014

08:30 – 11:00 Adrienne Salon

S26 Session
ACUTE CORONARY SYNDROMES: DETECTION, PREVENTION AND TREATMENT

Abstract No.

Chairs: G.W. Barsness, Rochester, MN, USA
                   H.K. Reddy, Little Rock, AR, USA

08:30 ASSOCIATION OF VITAMIN D LEVELS TO SHORT AND LONG TERM MAJOR ADVERSE CARDIAC EVENTS AMONG ACS AND NON-ACS PATIENTS
F. Sy, H.T. May, A. Tandar, D.L. Lappé, J.L. Anderson, V.T. Le, J.B Muhlestein
University of Utah, Salt Lake City, UT, USA

08:45 THE PROGNOSTIC SIGNIFICANCE OF ELEVATED TROPONINS IN PATIENTS WITH SEPSIS: A META-ANALYSIS
O. Sheyin, W. Duan, O. Davies, X. Perez
Harlem Hospital Center, New York, NY, USA

09:00 CLINICAL SIGNIFICANCE OF CORONARY ARTERY ANATOMY IN STRESS INDUCED CARDIOMYOPATHY
P. Krumenacher, A. Chau, D. Matel-Anderson, A. Ashine, R. Siegel, K. Ahn,
Y. Muirhead, S. Park, H. Kim, B. Choi
Medical College of Wisconsin, Milwaukee, WI, USA

09:15 DOES SYNTAX SCORE PREDICT THE DEGREE OF PEAK TROPONIN ELEVATION IN PATIENTS WITH ACUTE CORONARY SYNDROMES?
H.A. Bhatt, D.R. Sanghani, M.B. Perini, G.A. Fernaine
Lutheran Medical Center, Brooklyn, NY, USA

09:30 INTER-RATER AGREEMENT FOR CHEST PAIN EVALUATION BETWEEN TRAINED ABSTRACTORS AND EMERGENCY DEPARTMENT PHYSICIANS AT AN ACADEMIC MEDICAL CENTER
R.E. Davies, A. Foy
Penn State Hershey Medical Center, Hershey, PA, USA

09:45 INDUCTION OF AUTOLOGOUS BONE MARROW STEM CELLS BY LOW-LEVEL LASER THERAPY HAS BENEFICIAL EFFECTS ON THE INFARCTED PORCINE HEART FOLLOWING ACUTE MYOCARDIAL INFARCTION
G.A. Elbaz-Greener, U. Oron, Z. Vered, A. Blatt
Tel Aviv University, Tel Aviv, Israel

10:00 DESCRIPTION OF IN-HOSPITAL MANAGEMENT OF ACUTE CORONARY SYNDROME IN VENEZUELA AND LATIN AMERICA (EPICOR STUDY)
K. Araí, N. Antepara, C. Delgado, M.L. Fariña, R. Uzcátegui, S. Beluche
Ascardio, Barquisimeto, Venezuela
SUNDAY, JULY 27, 2014

08:30 – 11:00 Adrienne Salon

**S26 Session**

**ACUTE CORONARY SYNDROMES: DETECTION, PREVENTION AND TREATMENT (cont.)**

10:15 INFLUENCE OF METEOROLOGICAL FACTORS ON IN-HOSPITAL MORTALITY IN PATIENTS ADMITTED WITH ST-ELEVATION MYOCARDIAL INFARCTION IN NORTHEASTERN PENNSYLVANIA

I. Ahmed, **S.J. Voyce**, I. Pallekonda, J. Snedeker
The Wright Center of Graduate Medical Education, Scranton, PA, USA

10:30 BLOOD TRANSFUSION IN PATIENTS WITH BLEEDING DURING ACUTE ST-ELEVATION MYOCARDIAL INFARCTION ASSOCIATED WITH HIGHER IN-HOSPITAL MORTALITY

**D.A. Munawar**, W. Aditya, M. Munawar
Binawaluya Cardiac Center, Jakarta, Indonesia

10:45 THE EFFECT OF SHORTENING FMC-DEVICE TIME (<90 MINUTES) IN ST-ELEVATION MYOCARDIAL INFARCTION (STEMI) PATIENTS TRANSFERRED FROM NON-PCI CAPABLE HOSPITALS FOR PRIMARY PCI

**Y. Nawaz**, A. Qureshi, N. Subrayappa, N. Patel
Lehigh Valley Health Network, Allentown, PA, USA

11:00 COFFEE BREAK, VISIT POSTERS AND EXHIBITION
SUNDAY, JULY 27, 2014

11:15 – 13:45 Grand Ballroom

PL11  Plenary Session
VALVULAR / CONGENITAL HEART DISEASE, CARDIAC SURGERY
Joint Session with the Heart Valve Society of America

Chairs: J.S. Borer, USA
N.M. Rajamannan, USA

11:15 DEMOGRAPHIC CHANGES IN CONGENITAL HEART DISEASE IN THE XXI CENTURY: IMPACT IN MANAGEMENT AND OUTCOMES (Invited Lecture)
A.J. Marelli, McGill University Health Centre, Montreal, QC, Canada

11:30 NEXT GENERATION SEQUENCING ANALYSIS OF FAMILIES WITH CONGENITAL HEART DISEASE (Invited Lecture)
N.E. Bowles, S.B. Bleyl, M.F. Leppert, C.B. Arrington
University of Utah School of Medicine, Salt Lake City, UT, USA

11:45 CARDIAC SURGERY IN THE ADULT CONGENITAL HEART DISEASE PATIENT: A SPECTRUM OF LESIONS (Invited Lecture)
B.N. Mora, Sheikh Khalifa Medical City, Cleveland Clinic, Abu Dhabi, UAE

12:00 AORTIC REGURGITATION: IMPACT OF PREOPERATIVE SYMPTOMS FOR POST-VALVE REPLACEMENT SURVIVAL ON PROGNOSTICATION FROM MYOCARDIAL CONTRACTILITY (Invited Lecture)
State University of New York Downstate Medical Center, New York, NY, USA

12:15 LOW GRADIENT SEVERE AORTIC STENOSIS: DIAGNOSIS AND MANAGEMENT (Invited Lecture)
H.P. Chaliki, Mayo Clinic, Arizona, USA

12:30 ATORVASTATIN ATTENUATES ATHEROSCLEROSIS IN THE VALVES AND FEMURS FROM HYPERCHOLESTEROLEMIC LDLR-/- MICE AS=OP
N.M. Rajamannan, Northwestern University Feinberg School of Medicine, Chicago, IL, USA (Invited Lecture)

12:45 A TALE OF TWO HEARTS: ANY NEW ECHOCARDIOGRAPHY TRICKS IN VALVULAR HEART DISEASE? (Invited Lecture)
S. Pislaru, Mayo Clinic College of Medicine, Rochester, MN, USA

13:00 TEMPORAL TRENDS IN VALVULAR HEART DISEASE IN NEW YORK STATE: THE LAST 30 YEARS (Invited Lecture)
P.G. Supino, O.Y. Hai, J.S. Borer
State University of New York (SUNY) Downstate Medical Center, NY, USA

13:15 MECHANISMS OF HYPERTROPHY IN VALVULAR HEART DISEASE
N.T. Olsen, Rigshospitalet, Copenhagen, Denmark (Invited Lecture)

13:30 DEVICE CLOSURE OF COMPLEX ATRIAL SEPTAL DEFECT IN ADULTS- ISSUES AND SOLUTIONS (Invited Lecture)
M. Sadiq, The Children's Hospital/The Institute of Child Health, Lahore, Pakistan

13:45 LUNCH BREAK, VISIT POSTERS AND EXHIBITION
SUNDAY, JULY 27, 2014

11:15 – 13:15 Martha’s Vineyard

PL12 Plenary Session
ATRIAL ARRHYTHMIAS: TREATMENT AND SEQUELAE

Chairs: T. Deneke, Bad Neustadt, Germany
A. Martinez-Rubio, Sabadell, Spain

11:15 PREVENTION OF STROKE IN ATRIAL FIBRILLATION: ARE ALL ORAL DRUGS THE SAME? (Invited Lecture)
A. Martinez-Rubio, University Hospital of Sabadell (Univ Autonoma de Barcelona), Sabadell, Spain

11:30 LEFT ATRIAL SIZE AND FUNCTION: ROLE IN PROGNOSIS (Invited Lecture)
B.D. Hoit, Case Western Reserve University, Cleveland, OH, USA

11:45 SILENT CEREBRAL EVENTS ASSOCIATED WITH ATRIAL FIBRILLATION ABLATION (Invited Lecture)
T. Deneke, P. Müller, K. Nentwich, J. Krug, R. Schmitt, M. Roos, A. Schade
Heart Center Bad Neustadt, Bad Neustadt, Germany

12:00 ALDOSTERONE, COPEPTINE AND OTHER NEUROENDOCRINE MARKERS IN PATIENTS WITH STROKE (Invited Lecture)
D. Jezova, L. Krizova, B. Kollar, P. Siarnik, N. Hlavacova, A. Penesova, P. Turcani, Slovak Academy of Sciences, Bratislava, Slovakia

12:15 THROMBOEMBOLISM OR ATHERO-THROMBOEMBOLISM IN ATRIAL FIBRILLATION? (Invited Lecture)
F. Violi, I Clinica Medica, University Sapienza, Roma, Italy

12:30 THE MOST COST EFFICIENT WAY TO CARDIOVERT A NEWBORN IN ATRIAL FLUTTER (Invited Lecture)
C. Snyder, Rainbow Babies and Children’s Hospital, Cleveland, OH, USA

12:45 MANAGEMENT OF ATRIAL FLUTTER (Invited Lecture)
H. Paydak, University of Arkansas for Medical Sciences, Little Rock, AR, USA

13:00 ATRIAL FIBRILLATION AND ITS ROLE IN COGNITIVE DECLINE (Invited Lecture)
K. Alagiakrishnan, University of Alberta, Edmonton, Alberta, Canada

13:15 DISCOVERY OF A NEW INDEX OF DUAL PATHWAY ATRIOVENTRICULAR NODE CONDUCTION (Invited Lecture)
Y. Zhang, New York Institute of Technology (NYIT) College of Osteopathic Medicine, Old Westbury, NY, USA

13:30 LUNCH BREAK, VISIT POSTERS AND EXHIBITION
SUNDAY, JULY 27, 2014

11:15 – 14:00  Nantucket

S27  Session  ASSESSMENT AND MANAGEMENT OF CARDIOVASCULAR RISK / MODIFICATION OF LIPOPROTEINS

Chairs:  M.A. Alpert, Columbia, MO, USA  
S. Mora, Boston, MA, USA

11:15  RESIDUAL RISK FROM ELEVATED LIPOPROTEIN A BUT NOT APOLIPOPROTEIN B OR NON-HDL CHOLESTEROL AT HEART CENTERS FOR WOMEN  
Rush University Medical Center, Chicago, IL, USA

11:30  IMPACT OF CLINICAL AND THERAPEUTIC FACTORS ON INCIDENT CARDIO-CEREBROVASCULAR EVENTS IN A POPULATION-BASED COHORT OF HIV-INFECTED AND NON-HIV-INFECTED ADULTS  
A. Tripathi, A.D. Liese, M.D. Winniford, A.A. Rizvi, J.M. Jerrell, J. Zhang  
University of Mississippi School of Medicine, Jackson, MS, USA

11:45  CERTAIN CARDIOVASCULAR RISK FACTORS ARE SIGNIFICANT DETERMINANTS OF LONGEVITY IN INITIALLY HEALTHY WOMEN  
S. Cheng, E. McCabe, M.A. Albert, I. Lee, J.E. Buring, R.J. Glynn, S. Mora  
Brigham and Women's Hospital, Boston, MA, USA

12:00  OPTIMIZING CARDIOVASCULAR MORTALITY PREDICTION IN RENAL DISEASE WITH ARTIFICIAL INTELLIGENCE  
O. Sandu, I. Nastac, J. Uribarri  
Albert Einstein College of Medicine, Bronx, NY, USA

12:15  CHANGES IN TOTAL CHOLESTEROL LEVELS IN THE ICELANDIC POPULATION ARE NOT RELATED TO STATIN, BUT RATHER DIETARY FACTORS  
V. Gudnason, B. Thorsson, L. Steingrimsdottir, K. Andersen, G. Sigurdsson, T. Aspelund  
Icelandic Heart Association, Kopavogur, Iceland

12:30  NIASPIRIN: COMBINATIONS OF NIACIN WITH ASPIRIN TO REDUCE NIACIN INDUCED FLUSH  
R. Thachil, P.S. Carson, S.S. Banka  
Hahnemann University Hospital/Drexel University College of Medicine, Philadelphia, PA, USA

12:45  OMENTIN SIGNIFICANTLY PREDICTS CARDIOVASCULAR EVENTS INDEPENDENTLY FROM BASELINE CORONARY ARTERY DISEASE  
Academic Teaching Hospital Feldkirch, Feldkirch, Austria

13:00  DESPERATELY NEEDED CARDIOVASCULAR EVENT OUTCOME STUDIES IN SOUTH ASIANS  
H.N. Patel, N.T. Aggarwal, A. Khandelwal, A.S. Volgman  
Rush University Medical Center, Chicago, IL, USA
SUNDAY, JULY 27, 2014

11:15 – 14:00

S27 Session
ASSESSMENT AND MANAGEMENT OF CARDIOVASCULAR RISK / MODIFICATION OF LIPOPROTEINS (cont.)

Abstract No.

13:15 EFFECTS OF HDL-C AND CO-MORBIDITIES ON LONG-TERM OUTCOMES IN OPTIMALLY TREATED REVASCULARIZED CAD PATIENTS
Albany Medical Center, Albany, NY, USA

13:30 THE EFFECT OF SIROLIMUS ON CHOLESTEROL CRYSTAL VOLUME EXPANSION: IMPLICATIONS FOR PLAQUE STABILIZATION
I. Baig, A. Janoudi, R. Huang, G.S. Abela
Michigan State University, East Lansing, MI, USA

13:45 HIGHER HEART RATE IS INDEPENDENTLY ASSOCIATED WITH OBESITY
M.R. Movahed, C. Manrique, M. Hashemzadeh
CareMore Health Care Arizona, AZ, USA

14:00 LUNCH BREAK, VISIT POSTERS AND EXHIBITION
SUNDAY, JULY 27, 2014

11:15 – 13:15 Adrienne Salon

S28 Session
MECHANISMS OF VASCULAR DISEASES

Chairs: N.S. Dhalla, Winnipeg, MB, Canada
Z.S. Galis, Bethesda, MD, USA

11:15 THE NOVEL SMALL LEUCINE-RICH REPEAT PROTEIN PODOCAN
INHIBITS SMOOTH MUSCLE CELL ACTIVATION AND NEOINTIMA
FORMATION VIA MODULATION OF THE CANONICAL WNT-PATHWAY
AND IS DIFFERENTIALLY EXPRESSED IN HUMAN PRIMARY VERSUS RESTENOTIC
CORONARY LESIONS
R. Hutter, W. Speidl, L. Huang, C. Gianarelli, J.J.J. Badimon, P. Klotman
Mount Sinai School of Medicine, New York, NY, USA

11:30 MICRONRNA-146A INDUCES ENDOTHELIAL PROGENITOR CELL
APOPTOSIS AND SENESCENCE BY TARGETING PLK2 EXPRESSION
S. Zhu, S. Deng, C. Jia, D. Zhao, Q. Ma, X. Ji, H. Wang,
P.J. Goldschmidt-Clermont, S. Ma, C. Dong
University of Miami, Miami, FL, USA

11:45 CD137 SIGNALING INCLUDING FACTORS FROM T CELLS AND
MACROPHAGES ACCELERATE UNSTABLE ATHEROSCLEROTIC PLAQUE
I.H. Jung, J. Jin, D.Y. Kim, G.T. Oh
Ewha Womans University, Seoul, Korea

12:00 MODULATION OF CYSTEINE-RICH PROTEIN 2 EXPRESSION IN
VASCULAR INJURY AND ATHEROSCLEROSIS
C.H. Chen, H.H. Ho, M.L. Wu, M.D. Layne, S.F. Yet
National Health Research Institutes, Zhunan, Miaoli County, Taiwan

12:15 LINCRNA-P21 REGULATES NEOINTIMA FORMATION AND
ATHEROSCLEROSIS BY ENHANCING P53 ACTIVITY
Daping Hospital, Third Military Medical University, Chongqing, China

12:30 PRO-ATHEROGENIC ACTIONS OF INTERFERON-GAMMA ON
MACROPHAGES IN ATHEROSCLEROSIS
T.S. Davies, N. Li, J.E. McLaren, T.R. Hughes, D.P. Ramji
School of Biosciences, Cardiff University, Cardiff, UK

12:45 HISTOMORPHOMETRIC CHANGES IN THE AORTA OF MICE WITH
CHRONIC CHAGAS DISEASE UNDERGOING MILD EXERCISE
Adventist College Hortolandia, Hortolandia, SP, Brazil

13:00 URIC ACID PROMOTES CHEMOKINES AND ADHESION MOLECULES
PRODUCTION IN VASCULAR ENDOTHELIAL CELLS AND INCREASES
THE MIGRATION AND ADHESION CAPACITIES VIA NUCLEAR
FACTOR-KAPPA B SIGNALING PATHWAY
Peking University First Hospital, Beijing, China

13:15 LUNCH BREAK, VISIT POSTERS AND EXHIBITION
SUNDAY, JULY 27, 2014

08:00 – 13:00 Poster Hall

Board No. Abstract No.

P301 VASCULAR BIOLOGY, BASIC RESEARCH

1 CRIF1 DEFICIENCY INDUCES P66SHC-MEDIATED OXIDATIVE STRESS AND ENDOTHELIAL ACTIVATION
Chungnam National University, Daejeon, South Korea

P302 PHARMACOLOGICAL MODULATION OF VASCULAR-ENDOTHELIAL FUNCTION

2 EFFECTS OF CHRONIC CARDIOVASCULAR PHARMACOLOGY ON LONG-TERM SURVIVAL IN STROKE PATIENTS
Albany Medical College, Albany, NY, USA

3 ANTI-INFLAMMATORY EFFECT OF RESVERATROL IN HUMAN CORONARY ARTERIAL ENDOTHELIAL CELLS VIA AUTOPHAGY: IMPLICATION FOR THE TREATMENT OF KAWASAKI DISEASE
**F.C. Huang**, H.C. Kuo, H.R Yu
Kaohsiung Chang Gung Memorial Hospital, Taiwan

P303 INTERVENTIONAL CARDIOLOGY

4 DIFFERENTIAL ROLE OF OSTEOPONTIN AND TENASCIN-C IN ADVANCED CORONARY ATHEROSCLEROSIS: CORONARY ROTATIONAL AHERECTOMY STUDY
Kanazawa Medical University, Uchinada, Japan

5 TREATMENT OF CORONARY IN-STENT RESTENOSIS WITH PACLITAXEL-COATED BALLOON CATHETER: 36- MONTH CLINICAL RESULTS
**J. Benezet**, S. Camacho-Freire, A. Gutierrez-Barrios, A. Agarrado, J. Oneto
Jerez University Hospital, Jerez de la Frontera, Spain

6 DIFFERENT AND SAME PROGNOSTIC IMPLICATION OF LOW PREPROCEDURAL TIMI FLOW BETWEEN STEMI AND NON-STEMI IN THE PATIENTS UNDERGOING PERCUTANEOUS CORONARY INTERVENTION
**W.Y. Lee**, J.Y. Baek, Y.M. Yang
Saint Mary’s Hospital, Cheoung-ju, South Korea

7 INFLUENCE OF ACCESS AND ANTICOAGULANT ON THE HOSPITAL LENGTH OF STAY IN DOING PRIMARY PERCUTANEOUS CORONARY INTERVENTION: US ACADEMIC CENTER EXPERIENCE
O. Alasad, A. Tayyem, S. Shawar, M. Alghrouz, **M. Bheemarasetti**, A.R. Alemam, S. Gilani, W. Khalife
University of Texas Medical Branch, Galveston, TX, USA
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<td>INCIDENCE AND PREDICTORS OF STENT THROMBOSIS AFTER PERCUTANEOUS CORONARY INTERVENTION IN ACUTE MYOCARDIAL INFARCTION</td>
<td>S. Lim, <strong>H.Y. Kim</strong>, Y.S. Koh, K. Chang, M.H. Jeong, K.B. Seung</td>
<td>Catholic Medical Center, Seoul, South Korea</td>
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<td>SAFETY AND EFFICACY OF POLYMER FREE VS. BASED DRUG-ELUTING STENTS. A META-ANALYSIS OF RANDOMIZED TRIALS</td>
<td>Y. Luo, S. Liu, <strong>X. Zhao</strong>, L. Huang</td>
<td>Third Military Medical University, Chongqing, P.R. China</td>
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<td>CALCIFIED LESION DOES NOT INFLUENCE OUTCOME AFTER PERCUTANEOUS ANGIOPLASTY WITH STENTING</td>
<td>T. <strong>Matsubara</strong>, J. Suzuki, T. Kon, T. Kurosu, E. Matsubara, T. Tomaru</td>
<td>NTT East Japan Kanto Hospital, Tokyo, Japan</td>
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<td>THE COMPLEX CORONARY ANGIOPLASTY TRANSRADIAL</td>
<td><strong>J.M. Telayna</strong>, C.S. Garcia, R.A. Costantini</td>
<td>Austral University Hospital, Buenos Aires, Argentina</td>
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<td>TISULAR IMPACT IN THE CORONARY COMPLETE REVASCULARIZATION IN PATIENTS WITH ACUTE MYOCARDIAL INFARCT AND CARDIAC FAILURE</td>
<td><strong>J.M. Telayna</strong>, C.S. Garcia, R.A. Costantini</td>
<td>Austral University Hospital, Buenos Aires, Argentina</td>
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<td>IN-STENT ANCHORING FACILITATES BALLOON DELIVERY FOR FINAL KISSING</td>
<td><strong>X.H. Zhao</strong>, Y.M. Song, J. Jin, L. Huang</td>
<td>Xinqiao Hospital, Third Military Medical University, Chongqing, China</td>
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### P304 HYPERTENSION: BASIC, CLINICAL AND EPIDEMIOLOGICAL

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| 15        | 281          | AUTOMATED PRECLINICAL ENCOUNTER BLOOD PRESSURES VERSUS MANUAL PHYSICIAN BLOOD PRESSURES IN CARDIOVASCULAR CLINIC  
K. Slicker, B.D. Curtis, O. Oyetayo, J.P. Erwin III  
Scott & White Healthcare Texas A&M Health Science Center, Temple, TX, USA |
| 16        | 282          | HAS OBESITY IN HYPERTENSIVE PATIENTS AN IMPACT ON CARDIOVASCULAR AND CATECHOLAMINE RESPONSES DURING MENTAL STRESS?  
A. Garafova, A. Penesova, E. Cizmarova, A. Marko, M. Vlcek, D. Jezova  
Slovak Academy of Sciences, Bratislava, Slovakia |
| 17        | 283          | ANTIHYPERTENSIVE AGENTS AND RISK OF PARKINSON’S DISEASE  
National Taiwan University Hospital Yun-Lin Branch, Dou-Liou City, Yun-Lin County, Taiwan |
| 18        | 284          | BLUNTED SLEEP-TIME BLOOD PRESSURE (BP) DECLINE INCREASES CARDIOVASCULAR RISK INDEPENDENT OF BP LEVEL  
University of Vigo, Vigo, Spain |
| 19        | 285          | NIGHTTIME PRESSURE DIP IN WHITE COAT HYPERTENSION  
L. Yogendran, A. Abdelqader, M. Mohamed, T. Schuler, D. Bloomfield  
Richmond University Medical Center, Staten Island, NY, USA |

### P305 ARRHYTHMIAS: DIAGNOSIS AND TREATMENT

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T.A. Ahmad, A. Patel, U. Majumdar, V. Narasimha  
Penn State Milton Hershey Medical Center, Hershey, PA, USA |
| 21        | 287          | OPTIMAL DURATION OF HOLTER RECORDINGS: IS THERE ADDITIONAL YIELD FROM 48 VERSUS 24 HOURS?  
A. Trang, B. Pavri  
Thomas Jefferson University, Philadelphia, PA, USA |
| 22        | 288          | ACCURACY OF TACHYARRHYTHMIA DIAGNOSIS ON SURFACE ELECTROCARDIOGRAMS (ECG)  
N. Methachittiphan, F. Barbosa, M. Link  
Tufts Medical Center, Boston, MA, USA |
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<td>INFLAMMATORY MARKERS IN PATIENTS WITH IMPAIRED LEFT VENTRICULAR FUNCTION WITH AND WITHOUT ISCHEMIC HEART DISEASE UNDERGOING CARdioverter DEFibrillator IMPLANTATION FOR LIFE THREATENING VENTRICULAR ARRHYTHMIAS</td>
<td>T. Papadopoulos, G. Dadous, A. Nikitopoulos, G. Spiromitros, A. Antoniou, N. Katsiki, J. Kanonidis</td>
<td>Hippokration University Hospital, Thessaloniki, Greece</td>
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<td>DEADLY GOLYTELY</td>
<td>P.A. Patel, C.E. Daniels</td>
<td>Mayo Clinic, Rochester, MN, USA</td>
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<td>CARDIOPROTECTIVE EFFECT OF METFORMINE IN DIABETIC PATIENTS TREATED WITH ANTHRACYCLINES</td>
<td>F. Garcia Trobo, G. Pekler, F. Visco</td>
<td>New York Medical College, New York, NY, USA</td>
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<td>IMPROVING CLINICAL OUTCOMES AND RECOVERY OF PERIPARTUM CARDIOMYOPATHY PATIENTS USING BROMOCRIPTINE: A SYSTEMATIC REVIEW</td>
<td>M.A. De Guzman, L.D. Gutierrez</td>
<td>University of Santo Tomas Hospital, Manila, Philippines</td>
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<td>CARVEDILOL AS SINGLE AGENT TREATMENT FOR TRASTUZUMAB CARDIOTOXICITY USING GLOBAL LONGITUDINAL PEAK STRAIN CHANGES</td>
<td>A.M. Cook, K.J. Babbitt, L.L. Eberhart, R.C. Phillion, D.E. Langholz, H.L. Sherman</td>
<td>Spectrum Health Frederik Meijer Heart &amp; Vascular Institute, Grand Rapids, MI, USA</td>
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<td>28</td>
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<td>QUALITY AND PHYSICIAN PREFERENCE OF PORTABLE ELECTROCARDIOGRAPHIC DEVICE RHYTHM STRIPS</td>
<td>N. Nazir, D. Mehta, C. Bai, J. Soble, A. Volgman</td>
<td>Rush University Medical Center, Chicago, Illinois, USA</td>
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### PL13  Plenary Session

**CARDIAC STRUCTURE AND FUNCTION IN FAILING AND NON-FAILING HEARTS**  
*Joint Session with the American College of Cardiology / California Chapter*

**Chairs:**  
- **W.H. Gaasch**, USA  
- **B.I. Jugdutt**, Canada

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<td>14:00</td>
<td>ADVERSE LEFT VENTRICULAR REMODELING, INCIDENT HEART FAILURE, AND VENTRICULAR ARRHYTHMIAS (Invited Lecture)</td>
<td><strong>W.H. Gaasch</strong>, Lahey Clinic, Burlington, MA, USA</td>
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<td>14:15</td>
<td>AGING AND HEART FAILURE: UPDATE 2014 (Invited Lecture)</td>
<td><strong>B.I. Jugdutt</strong>, University of Alberta and Hospitals, Edmonton, AB, Canada</td>
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<td>14:30</td>
<td>HFpEF (HEART FAILURE WITH PRESERVED EJECTION FRACTION) PATHOPHYSIOLOGY: IMPLICATIONS FOR THERAPEUTIC TARGETS (Invited Lecture)</td>
<td><strong>D.M. Kaye</strong>, Baker IDI Heart and Diabetes Institute, Alfred Hospital, Melbourne, Australia</td>
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<td>15:00</td>
<td>HEART FAILURE WITH PRESERVED EJECTION FRACTION: A MISUNDERSTOOD SYNDROME IN SEARCH OF A THERAPY (Invited Lecture)</td>
<td><strong>S.D. Solomon</strong>, Brigham and Women’s Hospital, Boston, MA, USA</td>
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<td>15:15</td>
<td>HEART FAILURE RELATED TO CONSTRUCTIVE AND RESTRICTIVE CARDIOMYOPATHY: ASSESSMENT BY ECHOCARDIOGRAPHY (Invited Lecture)</td>
<td><strong>A.M. Amanullah</strong>, Jefferson Medical College of Thomas Jefferson University, Philadelphia, PA, USA</td>
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<td>15:30</td>
<td>MECHANISTIC INSIGHTS INTO DIASTOLIC HEART FAILURE (HEART FAILURE [HF] PRESERVED EJECTION FRACTION) – WHAT PROGRESS HAVE WE MADE? (Invited Lecture)</td>
<td><strong>F. Sam</strong>, Boston University School of Medicine, Boston, MA, USA</td>
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<td>15:45</td>
<td>DYNAMIC LVOT OBSTRUCTION -BEYOND HCM (Invited Lecture)</td>
<td><strong>A. Chockalingam</strong>, University of Missouri, Columbia, MO, USA</td>
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<td>16:00</td>
<td>LEFT VENTRICULAR FUNCTION IN PATIENTS WITH CHRONIC TOTAL OCCULSION OF LAD: LONG-TERM FOLLOW-UP (Invited Lecture)</td>
<td><strong>M. Prokudina</strong>, I. Konstantinov, N. Malinina, E. Bobrova, E. Karev</td>
<td><strong>Federal Center of Heart, Blood and Endocrinology, St. Petersburg, Russia</strong></td>
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<td>16:15</td>
<td>RIGHT VENTRICULAR FAILURE AFTER IMPLANTATION OF LEFT VENTRICULAR ASSIST DEVICES (Invited Lecture)</td>
<td><strong>A. Kalogeropoulos</strong>, Emory University School of Medicine, Atlanta, GA, USA</td>
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<td>16:30</td>
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SUNDAY, JULY 27, 2014

14:00 – 16:15  Martha’s Vineyard

**PL14**  Plenary Session
**NOVEL APPROACHES FOR VASCULAR THERAPIES**

Chairs: **K. Maiese**, Newark, NJ, USA  
**J-F. Tanguay**, Montreal, QC, Canada

---

**14:00**  PRECISION MEDICINE FOR TODAY AND TOMORROW: TARGETING MOLECULAR PATHWAYS FOR VASCULAR DISEASE (Invited Lecture)  
**K. Maiese**, University of Medicine & Dentistry of New Jersey, Newark, NJ, USA

**14:15**  SERPINS AS THERAPY – FROM VIRUS TO MAN (Invited Lecture)  
**A. Lucas**, University of Florida, Gainesville, FL, USA

**14:30**  VASCULAR HEALING & BIORESORBABLE SCAFFOLDS: FROM PLATELETS, LEUKOCYTES TO ENDOTHELIAL CELLS (Invited Lecture)  
**J-F. Tanguay**, Université de Montréal, Canada

**14:45**  CARDIOVASCULAR RISK FACTORS AND ENDOTHELIAL DYSFUNCTION (Invited Lecture)  
**C. Chen**, Q. Yao, Baylor College of Medicine, Houston, TX, USA

**15:00**  MANAGING ANGINA AND RISK VIA IMPROVED ENDOTHELIAL FUNCTION: THE EECP MODEL (Invited Lecture)  
**G.W. Barsness**, Mayo Clinic, Rochester, MN, USA

**15:15**  INDOXYL SULFATE AND CARDIO-RENAL SYNDROME; THE ROLE OF ARYL HYDROCARBON RECEPTOR (Invited Lecture)  
**T. Morita**, Toho University Omori Medical Center, Ota-ku, Tokyo, Japan

**15:30**  SYNERGISTIC REDUCTION OF ATHEROSCLEROSIS BY THE COMBINED LXR LIGAND AND ERK1/2 INHIBITOR---A MULTIPLE MECHANISMS DEPENDENT PATHWAY (Invited Lecture)  
Y. Chen, Y. Duan, X. Yang, L. Sun, **J. Han**, Nankai University, China

**15:45**  RESCUE OF PHYSIOLOGIC VASCULAR REPAIR BY CASPASE-INHIBITION: A NOVEL APPROACH TO BETTER TREAT ADVANCED ATHEROSCLEROSIS (Invited Lecture)  
**R. Hutter**, Mount Sinai Medical Center, New York, NY, USA

**16:00**  TRANSLATION OF GENOMIC DISCOVERIES FOR CAD: FUNCTIONAL STUDIES OF ADAMTS7 AS AN EXAMPLE (Invited Lecture)  
**M.P. Reilly**, University of Pennsylvania School of Medicine, Philadelphia, PA, USA

**16:15**  COFFEE BREAK, VISIT POSTERS AND EXHIBITION
S29  
Session  
ARRHYTHMIA I: SUDDEN CARDIAC DEATH / ADVANCES IN IMPLANTABLE RHYTHM DEVICE THERAPY  

Chairs:  
S.C. Dudley, Providence, RI, USA  
C. Snyder, Cleveland, OH, USA  

Abstract No.  

14:00  
SMOKING STATUS AND SURVIVAL AFTER IN-HOSPITAL CARDIAC ARREST – THE SMOKER’S PARADOX REVISITED  
New York Medical College, Valhalla, NY, USA  

14:15  
A NOVEL APPROACH FOR BIVENTRICULAR PACING: UTILIZING TEMPORARY CORONARY SINUS CATHETER GUIDANCE VIA FEMORAL VEIN APPROACH  
H. Paydak, S. Pant, H. Dajani, A. Sheikh, J. Aasbo, D. Singh  
University of Arkansas for Medical Sciences, Little Rock, AR, USA  

14:30  
BASELINE PROLONGED T-PEAK TO T-END/QT INTERVAL MAY PREDICT MORTALITY BUT NOT SUDDEN CARDIAC DEATH IN HEMODIALYSIS PATIENTS  
B.M. Saour, J.H. Wang, M.S. Sidhu, R.O. Mathew, D.L. Ernst, J.D. Sacco, W.E. Boden  
Albany Medical Center, Albany, NY, USA  

14:45  
SAFETY AND COST EFFECTIVENESS OF SYNCOPE EVALUATION UNIT  
P.P. Shah, S. Bajaj, N.L. Chang, H. Ng, G. Kurtz, C. Johnson, H. Virk, M. Bikkina, F. Shamoon  
Department of Cardiology at St. Joseph’s Regional Medical Center, Paterson, NJ, USA  

15:00  
ARRHYTHMIC OUTCOMES IN ARRHYTHMOGENIC CARDIOMYOPATHY WITH IMPLANTABLE CARDIOVERTER DEFIBRILATOR  
Virgen de la Arrixaca University Hospital, University of Murcia, El Palmar, Murcia, Spain  

15:15  
CIRCULATING MICRORNA CHANGES IN CRT RESPONDERS  
C. Sardu, G. Paolisso, R. Marfella  
Second University of Naples, Naples, Italy  

15:30  
THORACOSCOPIC PERICARDIAL PATCH INSULATION FOR INTRACTABLE PHRENIC NERVE STIMULATION FOLLOWING CARDIAC RESYNCHRONIZATION  
B.H. Kirmani, N. Mediratta, C. Toolan, J. McKeivth, J. Wright, A. Rao  
Liverpool Heart and Chest Hospital, Liverpool, Mersey, UK  

15:45  
MAGNETIC RESONANCE IMAGING CONDITIONAL PACEMAKER: TREND SETTING TECHNOLOGY – A SINGLE CENTER EXPERIENCE  
St Luke’s University Hospital, Bethlehem, PA, USA
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<td>SUBCUTANEOUS IMPLANTABLE CARDIOVERTER DEFIBRILLATOR IMPLANTATION IN PATIENTS AFTER DEVICE EXTRACTION</td>
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<td><strong>A. Gupta, F. Subzposh, H. Saltzman, S.P. Kutalek</strong></td>
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<td>Drexel University College of Medicine, Philadelphia, PA, USA</td>
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<td>16:15</td>
<td>LOW-ENERGY DIETS: AN IMPORTANT CAUSE FOR ACQUIRED LONG QT SYNDROME AND UNEXPECTED SUDDEN DEATH</td>
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<td><strong>D.B. Petrov, M.H. Milanova</strong></td>
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<td>Emergency Hospital Pirigov, Sofia, Bulgaria</td>
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<tr>
<td>16:30</td>
<td>COFFEE BREAK, VISIT POSTERS AND EXHIBITION</td>
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SUNDAY, JULY 27, 2014

14:00 – 16:15 Adrienne Salon

S30 Session
INTERVENTIONAL CARDIOLOGY / ANTITHROMBOTIC AND ANTIPLATELET THERAPY FOR PCI

Chairs: A. Kumar, Amritsar, India
J.D. Marsh, Little Rock, AR, USA

Abstract No.

14:00 NEW ORAL ANTICOAGULANTS IN PATIENTS WITH CANCER: CURRENT STATE OF EVIDENCE
P. Sardar; S. Chatterjee, E. Herzog; G. Pekler, S. Mushiyev; L.J. Pastori; F. Visco; W.S. Aronow
New York Medical College, Department of Medicine, New York, NY, USA

14:15 THE IMPACT OF THE DISTANCE FROM THE INTERVENTIONAL CARDIOLOGIST’S HOME TO THE HOSPITAL DURING OFF HOURS. IS THERE A NEED FOR 24/7 IN HOSPITAL STEMI TEAM?
Baystate Medical Center/Tufts University School of Medicine, Springfield, MA, USA

14:30 USING MAGNETIC STRUTS TO ALLEVIATE ADVERSE HAEMODYNAMIC FLOW EFFECTS AROUND DRUG-ELUTING STENTS
P.R.S Vijayaratanam, T.J. Barber, J.A. Reizes
University of New South Wales, Kensington, NSW, Australia

14:45 SAFETY AND EFFICACY OF DEGRADABLE VS. PERMANENT POLYMER DRUG-ELUTING STENTS. A META-ANALYSIS OF 18,395 PATIENTS FROM RANDOMIZED TRIALS
Y. Wang, S. Liu, Y. Luo, F. Wang, H. Liu, L.g Li, X. Zhao, L. Huang
Third Military Medical University, Chongqing, P.R. China

15:00 OUTCOMES OF PFTE COVERED STENTS IMPLANTED DURING PCI FOR MANAGEMENT OF ACUTE CORONARY PERFORATION
B.C. Barnett, G. Berrio, D.S. Gantt
Texas A&M/Baylor-Scott and White Hospital, Temple, TX, USA

15:15 MID-TERM OUTCOMES OF HIGH RISK LEFT MAIN CORONARY ARTERY PERCUTANEOUS CORONARY INTERVENTION (PCI) IN AN ELDERLY POPULATION
A.M. Pineda, C.G. Mihos, S. Horvath, F.O. Nascimento, S.K. Kodali, A.J. Kirtane, N. Beohar, Columbia University Division of Cardiology at Mount Sinai Heart Institute, Miami Beach, FL, USA

15:30 LONG-TERM OUTCOMES OF PERCUTANEOUS TREATMENT OF LEFT MAIN: DEDICATED STENT VERSUS USUAL TREATMENT WITH DES
Hospital Costa del Sol, Marbella, Spain
SUNDAY, JULY 27, 2014

14:00 – 16:15 Adrienne Salon

S30 Session
INTERVENTIONAL CARDIOLOGY / ANTITHROMBOTIC AND ANTIPLATELET THERAPY FOR PCI (cont.)

15:45 OUTCOMES OF PATIENTS TREATED WITH DRUG ELUTING STENTS WITH BIODEGRADABLE VERSUS BIOSTABLE POLYMER
Hospital Costa del Sol, Marbella, Malaga, Spain

16:00 INTER-PROVIDER VARIATION IN DIAGNOSES AND CARDIAC CATHETERIZATION USE
N. Agarwal, L. Burke, C. Schmalfuss, D.E. Winchester
University of Florida, Gainesville, FL, USA

16:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION
SUNDAY, JULY 27, 2014

16:45 – 19:00 Grand Ballroom

**PL15 Plenary Session**

**HYPERTENSION – RISK AND MANAGEMENT**

Chairs: **W.S. Aronow**, Valhalla, NY, USA  
**A.H.J. Danser**, Rotterdam, The Netherlands

16:45  **2014 UPDATE ON MANAGEMENT OF HYPERTENSION (Invited Lecture)**  
**W.S. Aronow**  
Westchester Medical Center/New York Medical College, Valhalla, NY, USA

17:00  **OPTIMAL BLOOD PRESSURE LEVELS IN THE ELDERLY? RESULTS OF REGARDS STUDY. SHOULD WE CORRECT THE GUIDELINES? (Invited Lecture)**  
Medical University of Lodz, Poland

17:15  **DUAL AT1 RECEPTOR/NEPRILYSIN INHIBITION (‘ARNI’) IN HYPERTENSION: AN IMPROVEMENT VERSUS AT1 RECEPTOR BLOCKADE? (Invited Lecture)**  
Erasmus Medical Center, Rotterdam, The Netherlands

17:30  **GI PROTEINS, Natriuretic Peptide Receptor C AND REGULATION OF BLOOD PRESSURE (Invited Lecture)**  
**Y. Li**, O. Sarkar, M. Brochu, **M. Anand-Srivastava**  
University of Montreal, Montreal, Quebec, Canada

17:45  **ANTIHYPERTENSIVE EFFECT OF FLAXSEED (Invited Lecture)**  
**K. Prasad**, University of Saskatchewan, Saskatoon, SK, Canada

18:00  **NON PHARMACOLOGICAL AND CATHETER BASED THERAPY OF DIFFICULT TO TREAT (D2T) HYPERTENSION (Invited Lecture)**  
**S.K. Koshy**, L.K. George, UT Health Sciences Center, Memphis, TN, USA

18:15  **BLOOD PRESSURE AND THE RISK OF CARDIOVASCULAR DISEASE AMONG PATIENTS WITH TYPE 2 DIABETES (Invited Lecture)**  
**G. Hu**, Pennington Biomedical Research Center, Baton Rouge, LA, USA

18:30  **SLEEP-TIME BLOOD PRESSURE AS A THERAPEUTIC TARGET FOR CARDIOVASCULAR RISK REDUCTION (Invited Lecture)**  
Campus Universitario, Vigo, Pontevedra, Spain

18:45  **PREVALENCE AND CLINICAL IMPLICATIONS OF SLEEP-TIME HYPERTENSION (Invited Lecture)**  
**D.E. Ayala**, R.C. Hermida  
Campus Universitario, Vigo, Pontevedra, Spain
PL16  Plenary Session
ADVANCES IN CARDIOVASCULAR SURGERY / CAROTID AND CORONARY REVASCULARIZATION / HEART TRANSPLANTATION

Chairs: B.F. Uretsky, Little Rock, AR, USA
G.W. Vetrovec, Richmond, VA, USA

16:45  PERICUTANEOUS HEMODYNAMIC SUPPORT FOR HIGH RISK PCI: INDICATIONS AND RESULTS (Invited Lecture)
G.W. Vetrovec, VCU Medical Center Richmond, VA, USA 342

17:00  CURRENT MANAGEMENT OF THE CORONARY CHRONIC TOTAL OCCLUSION (Invited Lecture)
B.F. Uretsky, University of Arkansas for Medical Sciences, Little Rock, AR, USA 343

17:15  PCI VERSUS CABG IN MULTIPLE VESSEL CAD (Invited Lecture)
A. Kumar, Govt Medical College/GND Hospital, Amritsar, India 344

17:30  UPDATE ON CORONARY BIFURCATION CLASSIFICATION AND TECHNIQUES (Invited Lecture)
M.R. Movahed, The Southern Arizona VA Health Care System, Tucson, AZ, USA 345

17:45  MANAGEMENT STRATEGIES OF COMBINED SEVERE SYMPTOMATIC CAROTID & CORONARY ARTERY DISEASE (Invited Lecture)
M.S. Abu-Fadel, University of Oklahoma HScC, Oklahoma City, OK, USA 346

18:00  BIOMARKERS IN CARDIAC ALLOGRAFT VASCULOPATHY (Invited Lecture)
N. Nair, Sacred Heart Medical Center, Spokane, WA, USA 347

18:15  ASSOCIATION OF COAGULOPATHY AND IN-HOSPITAL MORTALITY AMONG HEART TRANSPLANT RECIPIENTS (Invited Lecture)
New York Medical College, Valhalla, NY, USA 348

18:30  SHOULD CILOSTAZOL BE INCLUDED INTO THE TREATMENT POST CAROTID STenting?: A META-ANALYSIS
D. Garcia, M. Ansari, A. Benjo, R. Nascimento, G. ElHayek, A. Ghatak, A. Schob, C. Mendoza, A. Ferreira
University of Miami/Jackson Memorial Hospital – Miami, FL, USA 349

18:45  DECREASED INCIDENCE OF ATRIAL FIBRILLATION FOLLOWING OPEN HEART SURGERY USING MODIFIED DEL NIDO CARDIOPLEGIA
Brigham and Women’s Hospital, Boston, MA, USA 350

19:00  CHRONIC OBSTRUCTIVE PULMONARY DISEASE IS ASSOCIATED WITH WORSE SURVIVAL IN PATIENTS RECEIVING HEART TRANSPLANT: ANALYSIS FROM UNOS REGISTRY
S.G. Al-Kindi, M.Y. Qattan, M. Ginwalla, C. ElAnnm, G.H. Oliveira
University Hospitals Case Medical Center, Cleveland, OH, USA 351
SUNDAY, JULY 27, 2014

16:45 – 19:45 Nantucket

S31 Session
ARRHYTHMIA II: DIAGNOSIS, DRUG THERAPY, ABLATION

Chairs: H. Paydak, Little Rock, AR, USA
        F. Violi, Roma, Italy

Abstract No.

16:45 ASSOCIATION OF VITAMIN D DEFICIENCY WITH ATRIAL FIBRILLATION
F. Shah, A. Mohamed, D. Doukas, G. Cotseones, K. Machnica, M.G. Rabbat
Loyola University Medical Center, Maywood, IL, USA

17:00 BRIEF EPISODES OF SILENT ATRIAL FIBRILLATION PREDICT CLINICAL
VASCULAR BRAIN DISEASE IN TYPE 2 DIABETIC PATIENTS
C. Sardu, G. Paolisso, R. Marfella
Second University of Naples, Naples, Italy

17:15 ADENOSINE A2A RECEPTORS FUNCTION IN VASOVAGAL SYNCOPE
R. Guieu, N. Kipson, F. Franceschi, J. Fromonot, J. Condo, J.C. Deharo,
        M. Brignole, E. Fenouillet, J. Ruf
        Aix Marseille University and IRBA, Marseille, France

17:30 PREGNANCY IS ASSOCIATED WITH AN INCREASED DENSITY OF THE
PACEMAKER CURRENT I-F IN MURINE SINOATRIAL NODE
N. El Khoury, S. Mathieu, L. Marger, J. Ross, G. El Gebeily, N. Ethier, C. Fiset
        Université de Montréal, Montreal, Quebec, Canada

17:45 ADOPTION OF SMARTPHONES, TABLETS AND MOBILE APPLICATIONS
AMONG PATIENTS WITH ATRIAL FIBRILLATION
V. Benvenuto, G. Baquero, D. Scher, S. LaPine, S. Hess, J. Fragin, K. Heron,
        L. Douglas, W. Curry, J. Banchs
        Penn State Hershey Medical Center, Hershey, PA, USA

18:00 PULMONARY VEIN ANTUM CIRCULAR ABLATION PLUS LONGITUDINAL
MAPPING AND ABLATION TO THE RESIDUAL MUSCULATURE FASCICLES OF THE
PULMONARY VEINS IMPROVES THE IMMEDIATE AND LONG-TERM EFFICACY OF PAROXYSMAL ATRIAL FIBRILLATION
C. Lu, Y. Zhang, R. Zhang, Q. Xu, Y. Huang, M. Liu
        PLA General Hospital, Beijing, China

18:15 SCREENING FOR ATRIAL FIBRILLATION USING A BLOOD PRESSURE
MONITOR: OMRON VS MICROLIFE
J. Wiesel, B.Z. Arbesfeld, D. Schechter
        NYU Langone Medical Center, New York, NY, USA

18:30 IMPACT OF CATHETER ABLATION ON P-WAVE PARAMETERS ON
12-LEAD ELECTROCARDIOGRAM IN PATIENTS WITH ATRIAL FIBRILLATION
A. Maan, M. Mansour, J.N. Ruskin, E.K. Heist
        Massachusetts General Hospital, Boston, MA, USA
SUNDAY, JULY 27, 2014

16:45 – 19:45 Nantucket

S31 Session
ARRHYTHMIA II: DIAGNOSIS, DRUG THERAPY, ABLATION (cont.)

Abstract No.

18:45 TO DESCRIBE OUR EXPERIENCE WITH ARCTIC FRONT ADVANCE CRYOBALLOON ABLATION SYSTEM IN THE TREATMENT OF PAROXYSMAL ATRIAL FIBRILLATION AT A HIGH VOLUME CENTER IN THE U.S.
S. Banga, N. Chalfoun, D. Elmouchi, A. Gauri, M. Dahu, B. Finta GRM EP, Grand Rapids, Michigan, USA

19:00 DOES TREATMENT STRATEGY FOR ATRIAL FIBRILLATION AFFECT MYOCARDIAL CONTRACTILITY?
V. Podzolkov, A. Tarzimanova, M. Pisarev, I. Loriya, L. Mohammadi First Moscow State Medical University I.M. Sechenov, Moscow, Russia

19:15 COMPARISON OF VARIOUS FATTY ACID ROLES ON THE RISK OF ATRIAL FIBRILLATION AMONG ADULT TAIWANESE FROM A COMMUNITY-BASED COHORT STUDY
K.L. Chien, H.C. Hsu, P.C. Chen, H.J. Lin, T.C. Su, M.F. Chen, Y.T. Lee College of Public Health, National Taiwan University, Taipei, Taiwan

19:30 ELECTROPHYSIOLOGICAL STUDIES IN PATIENTS WITH PAROXYSMAL TACHYCARDIA WITHOUT ECG DOCUMENTATION: PREVALENCE OF INDUCIBLE ARRHYTHMIAS AND CLINICAL OUTCOME. A PROSPECTIVE REGISTRY
J. Lauschke, J. Schneider, R. Schneider, C. Nesselmann, T. Tischer, D. Bansch University Medical Center, Rostock, Germany
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<td>16:45</td>
<td>IVABRADINE INHIBITS APOPTOSIS AND NECROSIS IN PRIMARY AND CULTURED CARDIAC MYOCYTES EXPOSED TO HYPOXIA REOXYGENATION INSULT THROUGH ITS HCN CHANNEL BLOCKING ACTIVITY</td>
<td>P.K. Witting, A.C. McMahon, H-B Kim, A-M Maw, S.B. Freedman</td>
<td>The University of Sydney, Sydney, NSW, Australia</td>
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<td>17:00</td>
<td>RANOLAZINE ADMINISTERED AFTER DOXORUBICIN TREATMENT, PREVENTS CARDIOTOXICITY IN MICE</td>
<td>N. Maurea, C. Coppola, G. Piscopo, D. Rea, C. Maurea, F. Galletta, E. Esposito, I. Capasso, C. Arra, R.V. Iaffaioli</td>
<td>National Cancer Institute Pascale Foundation IRCCS, Naples, Italy</td>
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<td>17:15</td>
<td>REMOTE ISCHAEMIC PRECONDITIONING ATTENUATES EGR-1 EXPRESSION FOLLOWING MYOCARDIAL ISCHAEMIA REPERFUSION INJURY THROUGH ACTIVATION OF THE JAK-STAT PATHWAY, NITRIC OXIDE SIGNALLING AND SUPEROXIDE GENERATED BY NADPH OXIDASES</td>
<td>H. Mudaliar, B. Rayner, M. Billah, W. Lay, R. Bhindi</td>
<td>Kolling Institute of Medical Research, Royal North Shore Hospital, Sydney, New South Wales, Australia</td>
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<td>17:30</td>
<td>ALPHA LINOLENIC ACID-RICH FLAXSEED REGULATES SURVIVAL IN CARDIOMYOCYTES</td>
<td>F. Carotenuto, M. Minieri, S. Melino, P. Di Nardo</td>
<td>Tor Vergata University, Rome, Italy</td>
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<td>17:45</td>
<td>BRANCHED-CHAIN AMINO ACIDS PREVENT HEART FAILURE IN RATS</td>
<td>Y. Tanada, T. Shioi, A. Kawamoto, J. Okuda, T. Kimura</td>
<td>Kyoto University Graduate School of Medicine, Kyoto, Japan</td>
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<td>18:00</td>
<td>DECIPHERING THE SYSTEMS BIOLOGY OF MICRORNAS IN PULMONARY HYPERTENSION AND CARDIOVASCULAR DISEASE</td>
<td>S.Y. Chan</td>
<td>Brigham and Women’s Hospital/Harvard Medical School, Boston, MA, USA</td>
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<td>18:15</td>
<td>PROTEIN TYROSINE PHOSPHATASES AS NOVEL THERAPEUTIC TARGET AGAINST ACUTE CARDIAC ISCHEMIA</td>
<td>C.F. Cheng, Y.Y. Chen, W.S. Lian, K.H. Khoo, T.C. Meng</td>
<td>Tzu Chi General Hospital, Hualien, Taiwan</td>
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<td>18:30</td>
<td>OPTICAL MOLECULAR IMAGING OF ATEROMA INFLAMMATION IN MURINE CAROTID PLAQUES WITH A NOVEL, MANNOSE RECEPTOR TARGETING NEAR-INFRAED FLUORESCENCE PROBE</td>
<td>J.B. Kim, K.S. Park, J.H. Ryu, J.W. Song, O.K. Park, D.J. Oh, D.G. Gweon, H.K. Yoo, J.W. Kim</td>
<td>Korea University Guro Hospital, Seoul, South Korea</td>
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## P401 GENETICS OF HEART DISEASE

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### 1. MYOCARDITIS IS A MARKER OF ACTIVE DISEASE IN ARYTHMOMEGENIC CARDIOMYOPATHY: ANALYSIS OF CLINICAL FEATURES AND OUTCOMES


Virgen de la Arrixaca University Hospital, University of Murcia, El Palmar, Murcia, Spain

### 2. CYP2C19 GENETIC VARIATION AND INDIVIDUALIZED CLOPIDOGREL PRESCRIPTION IN A CARDIOLOGY CLINIC – A PERSPECTIVE STUDY


Easton Hospital, Drexel University, Easton, PA, USA

### 3. GENETIC INFORMATION-GUIDED THROMBOEMBOLISM PRECAUTION AND TREATMENT IN A CARDIOLOGY CLINIC – A PERSPECTIVE STUDY

**A. Mirabbasi**, R. Thachil, Y. Wu, W. Fan, B. Khalighi, K. Khalighi

Easton Cardiovascular Associates, Easton Hospital, Drexel University, Easton, PA, USA

## P402 CARDIOVASCULAR IMAGING: NUCLEAR CARDIOLOGY, CARDIAC CT AND MRI

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### 4. DISTRIBUTION OF CORONARY CALCIFICATIONS IN PATIENTS WITH SUSPECTED CORONARY HEART DISEASE

**F. von Ziegler**, M. Greif, J. Schenzle, C. Becker, A. Becker

Ludwig-Maximilians-University, Grosshadern Campus, Munich, Germany

### 5. EPICARDIAL ADIPOSE TISSUE THICKNESS UNDERESTIMATE TOTAL CARDIAC FAT CONTENT: COMPARISON OF UNIDIMENSIONAL AND VOLUMETRIC METHODS

**H. Vefali**, J. Shirani

St. Luke's University Health Network, Bethlehem, PA, USA

### 6. SHARED MEDICAL APPOINTMENT TO PRE-SCREEN CCTA PATIENTS - A NOVEL APPROACH IN ESTABLISHING CARDIAC CT PROGRAM

**M.Q. Najib**, A. Loli, S. Murarka, D. Tumbiolo, U. Fatima

Banner Good Samaritan Medical Center/Carl T. Hayden Medical Center, Phoenix, AZ, USA
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**P403 LIPIDS, LIPOPROTEIN DISORDERS AND CAD**

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<td>CLINICAL IMPLICATIONS OF THE EICOSAPENTAENOIC ACID TO ARACHIDONIC ACID RATIO IN PATIENTS WITH CORONARY ARTERY DISEASE</td>
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<td>Saitama Medical Center, Saitama Medical University, Kawagoe, Japan</td>
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<td>EFFICACY AND TOLERABILITY OF TWO DIFFERENT FORMULATIONS OF ATORVASTATIN IN PATIENTS WITH HYPERCHOLESTEROLEMIA; MULTICENTER, PROSPECTIVE, RANDOMIZED TRIAL</td>
<td>S.H. Kim, H.L. Lee, H.L. Kim, J.B. Seo, W.Y. Chung, J.H. Zo, M.A. Kim, K.J. An</td>
<td>Seoul Boramae Medical Center, Seoul National University College of Medicine, Korea</td>
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<td>LIPOPROTEIN FRACTIONS AND SUBFRACTIONS IN A MURINE MODEL OF EARLY ATHEROSCLEROSIS</td>
<td>V.M. Loginova, T.A.Korolenko, T.P. Johnston, F.V. Tuzikov, T.P. Korolenko, I. N. Maiborodin, V.K.Spiridonov</td>
<td>Institute of Physiology SB RAMS, Institute of Catalysis SB RAS, Novosibirsk, Russia</td>
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**P404 CARDIOVASCULAR DISEASE: PROGNOSIS, RISK ASSESSMENT**

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<td>PSYCHIATRIC COMORBIDITY AFTER ACUTE MYOCARDIAL INFARCTION: A POPULATION-BASED COHORT STUDY</td>
<td>W.C. Tzeng, H.P. Feng, S.M. Cheng, W.C. Chien</td>
<td>Tri-Service General Hospital, National Defense Medical Center, Taipei, Taiwan</td>
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<td>PREVALENCE AND DETERMINANTS OF INSOMNIA FOLLOWING A MYOCARDIAL INFARCTION</td>
<td>D. Da Costa, P. Desormeau, E. Libman, A.A. Allman, C. Grover, M. Raptis, I. Lowensteyn, S. Grover, McGill University, Montreal, QC, Canada</td>
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<td>HBA1C AMONG ANGIOGRAPHIED CORONARY PATIENTS MORE STRONGLY PREDICTS CARDIOVASCULAR RISK IN WOMEN THAN IN MEN</td>
<td>C.H. Saely, A. Vonbank, P. Rein, A. Leherer, D. Zanolin, K. Geiger, H. Drexel</td>
<td>Academic Teaching Hospital Feldkirch, Feldkirch, Austria</td>
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P404 CARDIOVASCULAR DISEASE: PROGNOSIS, RISK ASSESSMENT (cont.)

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ASSOCIATION OF FRIESINGER SCORE AND ELEVATED SERUM TRANSAMINASE LEVELS IN OCTOGENARIANS

S. Madan, D. Singal, C.S. Pitchumoni
Drexel University College of Medicine/Saint Peters University Hospital, New Brunswick, NJ, USA

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CHRONIC AND ACUTE EFFECT OF SMOKING ON RIGHT AND LEFT VENTRICULAR DIASTOLIC FUNCTION

M. Seiedian, F. Ahmadi, L. Asgharinejad, M. Nourizadeh
Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran

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DETERMINANTS OF THE HEALTH-RELATED QUALITY OF LIFE IN MALE PATIENTS WITH CORONARY ARTERY DISEASE

N. Arat, S. Usalp, O. Demiroz, C. Ciftci
Istanbul Science University, Medical School, Istanbul, Turkey

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HYPOMAGNESAEANIA IN MENOPAUSAL WOMEN; RELATIONSHIPS WITH Atherosclerosis RISK FACTORS AND LOW LEVEL INFLAMMATORY SYNDROME IN PATIENTS WITH CARDIOVASCULAR DISEASE

I.A. Gutiu, A.I. Gutiu, F.S. Radulescu
“Carol Davila” University of Medicine and Pharmacy, Bucuresti, Romania

P405 PRIMARY PREVENTION OF CORONARY ARTERY DISEASE / RISK FACTORS FOR ATHEROTHROMBOTIC DISEASE

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K.C. Sung, S.H. Lee
Kangbuk Samsung Hospital, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea

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RISK OF STROKE AND MYOCARDIAL INFARCTION IN WOMEN WITH LOW SOCIAL SUPPORT IN RUSSIA OVER 16 YEARS: MONICA-Psychosocial EPIDEMIOLOGICAL STUDY

D.O. Panov, V.V. Gafarov, E.A. Gromova, I.V. Gagulin, A.V. Gafarova
Research Institute of Internal and Preventive Medicine SB RAMS, Novosibirsk, Russia

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CARDIOVASCULAR CLINIC IMPACT ON RISK FACTOR MODIFICATION IN AN INNER-CITY, UNINSURED POPULATION

P.A. Levin, K.I. Khalaf, K. Omidvar, Z. Chen, P.R. Orlander, F. Fuentes
University of Texas Health Science Center at Houston, Houston, TX, USA
SUNDAY, JULY 27, 2014

13:30 – 18:30 Poster Hall

P406 LEFT VENTRICULAR HYPERTROPHY / HYPERTROPHIC CARDIOMYOPATHY / DIASTOLIC DYSFUNCTION

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21 CHRONIC HEART FAILURE PATIENTS WITH REDUCED VERSUS PRESERVED EJECTION FRACTION IN SAUDI ARABIAN COHORT 392
W. Al-Shaqha
Imam Muhammad Ibn Saud Islamic University, Riyadh, Saudi Arabia

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T. Strecker, J. Roesch, A. Agaimy, M. Weyand
Friedrich-Alexander-University of Erlangen-Nuremberg, Center of Cardiac Surgery, Germany

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B.W. Ternus, R.J. Lennon, G.W. Barsness
Mayo Clinic, Rochester, MN, USA

24 DEPRESSION AND DECREASED RISK OF IN-HOSPITAL MORTALITY AMONG HEART TRANSPLANT RECIPIENTS: FINDINGS FROM A US NATIONAL STUDY 395
New York Medical College, Valhalla, NY, USA

25 A NEW CLASSIFICATION FOR CORONARY ARTERY BIFURCATION LESIONS 396
T. Papadopoulos, A. Nikitopoulos, G. Spiromitros, A. Antoniou, J. Kanonidis
Hippokration University Hospital, Greece

26 ARE AIRBAGS PROTECTIVE OR DETRIMENTAL TO THE HEART POST MOTOR VEHICLE ACCIDENTS? 397
R.N. Khouzam
University of Tennessee Health Science Center, Memphis, TN, USA

Atherosclerosis Research Center, Ahwas Jondishapour University, Ahwas, Iran
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<td>COMPLIANCE AND UTILIZATION OF REMOTE HOME MONITORING FOR FIRST TRANSMISSION IN PATIENTS GIVEN MONITORS AT TIME OF CARDIAC DEVICE IMPLANTATION</td>
<td>S. Banga, N. Chalfoun, S. VanBeek, B. Finta, M. Dahu, D. Elmouchi, A. Woelfel, A. Davis, A. Gauri</td>
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<td>GRMEP, Grand Rapids, Michigan, USA</td>
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<td>PROVIDING EQUITY IN CARE DELIVERY BY RACE, ETHNICITY AND LANGUAGE: TEXAS HEALTH RESOURCES’ INITIAL REVIEW</td>
<td>J. Cheirif, A. Gracia, J. Veliz, L. Gerbig, M. Kini, M. Daja, T. Keller, M. Restrepo, M. Reyna, M. Vecchio T. Nguelyn, D. Varga</td>
<td>Texas Health Resources, Arlington, TX, USA</td>
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<td>THE COST AND BENEFITS OF HELICOPTER EMERGENCY MEDICAL SERVICES INSTEAD OF THE GROUND UNIT IN CHEST TRAUMATIC PATIENTS: A COST-EFFECTIVENESS ANALYSIS</td>
<td>A. Shamsakhtari, N. Saadaţafarî, H. Kariman, M. Nourizadeh, N. Asadinia</td>
<td>Atherosclerosis Research Center, Ahwas Jondishapour University, Ahwas, Iran</td>
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<td>SERIAL ECHOCARDIOGRAPHY FOR EARLY DIAGNOSIS OF CARDIOTOXICITY IN BREAST CANCER PATIENTS TREATED WITH TRASTUZUMAB</td>
<td>F. Shah, D. Silverman, P. Doloto, K.C. Micetich, J.T. Barron</td>
<td>Loyola University Medical Center, Maywood, IL, USA</td>
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<td>PREDICTORS OF MORTALITY IN HOSPITALIZED PATIENTS WITH HYPERKALEMIA</td>
<td>J.B. Khanagavi, P.M. Phatak, T. Gupta, W.S. Aronow, J. Garg, S. Sule</td>
<td>New York Medical College, Valhalla, NY, USA</td>
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<td>A SINGLE-CENTER RETROSPECTIVE COMPARISON OF STRESS ECHOCARDIOGRAPHY UTILIZATION BETWEEN FAMILY MEDICINE PHYSICIANS AND INTERNISTS</td>
<td>A. Chaudhry, G.A. Baquero, W.R. Davidson, A.J. Foy</td>
<td>Penn State Hershey Medical Center, Hershey, PA, USA</td>
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INTERNATIONAL ACADEMY OF CARDIOLOGY
ANNUAL SCIENTIFIC SESSIONS 2014
19th WORLD CONGRESS ON
HEART DISEASE
BOSTON, MA, USA, JULY 25-28, 2014

SCIENTIFIC PROGRAM
Monday, July 28, 2014
MONDAY, JULY 28, 2014

08:30 – 11:00

PL17 Plenary Session
DIET, LIFESTYLE AND CVD PREVENTION – NEW ORIGINS

Chairs: J.L. Mehta, Little Rock, AR, USA
        E. Barrett-Connor, La Jolla, CA, USA

Abstract No.

08:30 IS THE DASH DIET THE OPTIMAL DIET FOR HEART FAILURE PATIENTS? (Invited Lecture)
M.A. Silver, Advocate Christ Medical Center, University of Illinois. IL, USA

08:45 MEDITERRANEAN DIET AND SECONDARY PREVENTION OF CVD
(Invited Lecture)
D.B. Panagiotakos, Harokopio University, Athens, Greece

09:00 LOOKING BACK ON THE LOOK AHEAD TRIAL (Invited Lecture)
E. Barrett-Connor, University of California San Diego, La Jolla, CA, USA

S. Vallurupalli, J.L. Mehta, University of Arkansas for Medical Sciences, Little Rock, AR, USA

09:30 INTEGRATING NUTRITION EDUCATION INTO THE CARDIOVASCULAR CURRICULUM CHANGES MEDICAL STUDENT EATING HABITS
(Invited Lecture)
R. Zelis, E. Vargas
Pennsylvania State University, Hershey Medical Center, Hershey, PA, USA

09:45 DO VITAMIN AND MINERAL SUPPLEMENTS HAVE A ROLE IN CARDIOVASCULAR DISEASE PREVENTION? (Invited Lecture)
H.D. Sesso, Brigham and Women’s Hospital, Boston, MA, USA

10:00 ALTERNATE HEALTHY EATING INDEX, MEDITERRANEAN AND DASH DIETARY PATTERNS AND RISK OF DEATH IN THE PHYSICIAN’S HEALTH STUDY
(Invited Lecture)
L. Djousse, A. Petrone, J.M. Gaziano
Brigham and Women’s Hospital and Harvard Medical School, Boston, MA, USA

10:15 RACIAL DIFFERENCES IN VITAMIN D/PARATHYROID HORMONE ENDOCRINE SYSTEM AND CARDIOVASCULAR DISEASE
(Invited Lecture)
Y. Song, Indiana University, Indianapolis, IN, USA

10:30 DIETARY FATTY ACIDS COMPOSITION AS A RISK FACTOR FOR CARDIOMETABOLIC DISORDERS: BEYOND THE CALORIES (Invited Lecture)
L. Wang, Brigham and Women’s Hospital, Boston, MA, USA

10:45 THE ROLE OF EXERCISE AND REHABILITATION FOR HEART FAILURE PATIENTS (Invited Lecture)
C. Chrysohoou, Hippokration Hospital, University of Athens, Greece

11:00 COFFEE BREAK, VISIT POSTERS AND EXHIBITION
MONDAY, JULY 28, 2014

08:30 – 10:45 Nantucket

PL18  Plenary Session
ADVANCES IN THE TREATMENT AND MANAGEMENT OF HEART FAILURE

Chairs: P.A. Heidenreich, Palo Alto, CA, USA
V.H. Pitzalis, Greenville, NC, USA

Abstract No.

08:30  THE MANAGEMENT OF PATIENTS WITH ADVANCED HEART FAILURE (Invited Lecture)
V.H. Pitzalis, East Carolina University, The Brody School of Medicine, Greenville, NC, USA

08:45  CAN WE PREVENT HEART FAILURE READMISSIONS? (Invited Lecture)
P.A. Heidenreich, Stanford University, Palo Alto, CA, USA

09:00  ROLE OF THE “PERIPHERY” IN HEART FAILURE AND PRESERVED EJECTION FRACTION (Invited Lecture)
J.A. Chirinos, University of Pennsylvania School of Medicine, Philadelphia, PA, USA

09:15  CARDIORENAL SYNDROME: NOT AS STRAIGHT FORWARD AS WE USED TO THINK (Invited Lecture)
A. Kazory, University of Florida, Gainesville, FL, USA

09:30  NEW TECHNOLOGIES TO IMPROVE CRT OUTCOME (Invited Lecture)
K. Seidl, Klinikum Ingolstadt, Germany

09:45  COLCHICINE AND NEW MANAGEMENT STRATEGIES FOR ACUTE AND RECURRENT PERICARDITIS (Invited Lecture)
M. Imazio, Maria Vittoria Hospital, Torino, Italy

10:00  SKELETAL MUSCLE HYPERTROPHY INDUCED BY NOVEL KAATSU REHABILITATION AND PREVENTION OF SARCOPENIA (Invited Lecture)
T. Nakajima, T. Yasuda, S. Koide, Y. Sato, T. Morita, T. Tomaru, Y. Kano
University of Tokyo, Tokyo, Japan

10:15  PERICARDIAL INVOLVEMENT FREQUENTLY COMPLICATING PULMONARY AND/OR SYSTEMIC SARCOID GRANULOMATOSIS. A LIFE-LONG, MULTI STAGE DISEASE, PERIODICAL STUDY IN 278 BIOPSY – PROVEN SARCOIDOSIS PATIENTS (Invited Lecture)
I. Angomachalelis, G. Kyriazis, N. Angomachalelis
Aristotle University of Thessaloniki, “G.Papanickolaou” General Hospital, Greece

10:30  IMATINIB: A NOVEL CANDIDATE FOR TREATMENT OF PERMEABILITY EDEMA (Invited Lecture)
G.P. van Nieuw Amerongen, VU University Medical Center, Amsterdam, The Netherlands

10:45  COFFEE BREAK, VISIT POSTERS AND EXHIBITION
MONDAY, JULY 28, 2014

S33  Session
THE RELEVANCE OF GENETICS IN PROVIDING UNDERSTANDING AND TREATMENT FOR CARDIOVASCULAR DISEASE

Chair: M.J. Sanz, Valencia, Spain
M. Zahid, Pittsburgh, PA, USA

08:30  PHARMACOGENETICS-GUIDED INDIVIDUAL WARFARIN DOSING IN A CARDIOLOGY CLINIC – A PERSPECTIVE OBSERVATORY STUDY
W.Q. Fan, Y. Wu, B. Khalighi, A. Mirabbasi, R. Thachil, E.J. Mascarenhas, K. Khalighi, Easton Hospital, Drexel University, Easton, PA, USA

08:45  A MICRO-RNA-410 REGULATED LIPOPROTEIN LIPASE POLYMORPHISM IS ASSOCIATED WITH TRIGLYCERIDES AND STROKE INCIDENCE
Instituto de Salud Carlos III, Madrid, Spain

09:00  ATF3 PROTECT AGAINST PRESSURE OVERLOAD HEART FAILURE VIA BECLIN-1 PATHWAY
C.F. Cheng, S.F. Li, H. Lin, Tzu Chi General Hospital, Hualien, Taiwan

09:15  RAPID UP-REGULATION AND CLEARANCE OF DISTINCT CIRCULATING MICRONAS AFTER PROLONGED AEROBIC EXERCISE
Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA

09:30  RANOLAZINE PREVENTS TRASTUZUMAB-CARDIOTOXICITY IN EXPERIMENTAL MODELS
N. Maurea, C. Coppola, G. Piscopo, D. Rea, C. Maurea, F. Galletta, E. Esposito, I. Capasso, P. Maiolino, C. Arra
National Cancer Institute Pascale Foundation IRCCS, Naples, Italy

09:45  VARIATION IN THE MINICHROMOSOME MAINTENANCE COMPLEX COMPONENT 6 GENE, DAIRY INTAKE AND CARDIOVASCULAR RISK
Instituto de Salud Carlos III, Madrid, Spain

10:00  GENE ELECTRO TRANSFER OF PVEGF INDUCES ANGIOGENESIS AND IMPROVES CARDIAC FUNCTION IN A PORCINE ISCHEMIA MODEL
B. Hargrave, R. Strange, Jr., C. Lundberg, N. Burcus, A. Bulysheva, R. Heller
Old Dominion University, Norfolk, VA, USA

10:15  THE FAMILY HISTORY AND GENETIC RISK DISCONNECT IN WOMEN
Rush University Medical Center, Chicago, Illinois, USA

10:30  REPETITIVE APPLICATION OF RESTRICTION OF MUSCLE BLOOD FLOW ENHANCES MTOR SIGNALING PATHWAYS IN A RAT MODEL
T. Nakajima, T. Yasuda, S. Koide, Y. Sato, T. Tomaru, Y. Kano
University of Electro-Communications, Tokyo, Japan
# Plenary Session

**CURRENT CONCEPTS AND FUTURE DIRECTIONS IN ISCHEMIC HEART DISEASE AND ACUTE CORONARY SYNDROME**

**Chairs:**  
J.M. Gardin, Hackensack, NJ, USA  
U. Thadani, Oklahoma City, OK, USA  

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<td>OLD AND EMERGING OPTIONS FOR TREATMENT OF REFRACTORY ANGINA: A CRITICAL APPRAISAL (Invited Lecture)</td>
<td>U. Thadani, University of Oklahoma Health Sciences Center and VA Medical Center, Oklahoma City, OK, USA</td>
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<td>MANAGEMENT OF STABLE ISCHEMIC HEART DISEASE: OVERVIEW OF RECENT GUIDELINES (Invited Lecture)</td>
<td>J.M. Gardin, Hackensack University Medical Center, NJ, USA</td>
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<td>IN-VIVO RISK STRATIFICATION OF INDIVIDUAL CORONARY ARTERY PLAQUES: EVOLVING PARADIGM FOR PREEMPTIVE MANAGEMENT OF PATIENTS WITH CAD (Invited Lecture)</td>
<td>P.H. Stone, Brigham &amp; Women’s Hospital, Boston, MA, USA</td>
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<td>12:00</td>
<td>FRACTIONAL FLOW RESERVE (FFR) AT 2014- WHERE ARE WE AND WHERE IS IT GOING (Invited Lecture)</td>
<td>E. Kaluski, University Hospital, Newark, NJ, USA</td>
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<td>12:15</td>
<td>IS ISCHEMIA UNIVERSAL IN A CHRONIC TOTAL OCCLUSION? (Invited Lecture)</td>
<td>R. Sachdeva, North Fulton Hospital, Roswell, GA, USA</td>
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<td>12:30</td>
<td>OPTIMAL DURATION OF DUAL ANTIPLATELET THERAPY AFTER DES IMPLANTATION: EXCELLENT TRIAL AND FUTURE PERSPECTIVES (Invited Lecture)</td>
<td>H-C. Gwon, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea</td>
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<td>12:45</td>
<td>DUAL UTILIZATION OF EXERCISE ECHOCARDIOGRAMS AND MYOCARDIAL PERFUSION IN ASSESSING ISCHEMIA IN A CARDIOLOGY PRACTICE (Invited Lecture)</td>
<td>Y. Charuzi, R.W. Gao, J. Mirocha, Cedars Sinai Heart Institute, Los Angeles, CA, USA</td>
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| 13:00  | ATYPICAL AND UNUSUAL CLINICAL PRESENTATIONS OF PATIENTS WITH ISCHEMIC HEART DISEASE (Invited Lecture) | H.K. Reddy, R. Komatireddy, R.K. Sharma  
St. Louis University Medical School, St. Louis, Missouri, USA                                                                                                                                         |
| 13:15  | STABLE ISCHEMIC HEART DISEASE: EVOLVING CONCEPTS AND THE ROLE OF ISCHEMIA (Invited Lecture)      | M.S. Sidhu, Albany Medical College, Albany, NY, USA                                                                                                                                                      |
| 13:30  | CT FLOW METRICS BASED ON CONTRAST OPACIFICATION                                                | F.J. Rybicki, D.M. Mitsouras, Brigham and Women’s Hospital, Boston, MA, USA                                                                                                                           |
| 13:45  | SHOULD DUAL ANTI-PLATELET THERAPY FOR CORONARY ARTERY DISEASE BE MORE OR LESS THAN 12 MONTHS? A META-ANALYSIS | D. Garcia, M. Ansari, C. Martinez, C. Alfonso, A. Benjo, M. Cohen, E. De Marchena  
University of Miami/Jackson Memorial Hospital, Miami, FL, USA                                                                                                                                      |
MONDAY, JULY 28, 2014

11:15 – 13:00  Nantucket

PL20  Plenary Session

OBESITY, DIABETES AND CVD

Chairs: K. Ravid, Boston, MA, USA
        T.B. Levine, Philadelphia, PA, USA

11:15  THE MACROPHAGE A2B ADENOSINE RECEPTOR REGULATES OBESITY-INDUCED TISSUE INSULIN SENSITIVITY (Invited Lecture)
       K. Ravid, H. Johnston-Cox, A. Eisenstein, M. Koupenova-Zamor
       Boston University School of Medicine, Boston, MA, USA

11:30  METABOLIC SYNDROME CRITERIA: CAUSE VERSUS EFFECT OF CARDIOMETABOLIC DISEASE (Invited Lecture)
       T.B. Levine, Drexel University College of Medicine, Philadelphia, PA, USA

11:45  MITOCHONDRIAL DYSFUNCTION AND DIABETIC HEART DISEASE (Invited Lecture)
       S. Kobayashi, Y. Huang, Q. Liang
       New York Institute of Technology, Old Westbury, NY, USA

12:00  BENEFITS AND RISKS OF ANTIDIABETIC TREATMENT IN PATIENTS WITH CORONARY ARTERY DISEASE AND HEART FAILURE (Invited Lecture)
       C.H. Saely, VIVIT Institute, Academic Teaching Hospital, Feldkirch, Austria

12:15  SERENDIPITY IN MEDICINE; DOES CHANCE TRULY FAVOR THE PREPARED MIND? (Invited Lecture)
       R.W.W. Biederman, Carnegie Mellon University, Allegheny General Hospital, Pittsburgh, PA, USA

12:30  HIGH CARDIOVASCULAR RISK IN NON-ALCOHOLIC FATTY LIVER DISEASE: A POSSIBLE ROLE FOR INCREASED OXIDATIVE STRESS?
       F. Angelico, M. Del Ben, L. Polimeni, F. Baratta, D. Pastori, R. Carnevali,
       S. Bartimoccia, F. Violi
       Sapienza University, Rome, Italy

12:45  IMPACT OF METABOLIC SYNDROME ON SUBCLINICAL ATHEROSCLEROSIS IN ASYMPTOMATIC INDIVIDUALS
       S.M. Jung, G.M. Park, C.J. Kim, J.S. Cho, M.W. Park, S.H. Her, S.W. Lee
       Daejeon St. Mary’s Hospital, the Catholic University of Korea, Daejeon, Korea
MONDAY, JULY 28, 2014

11:15 – 14:00 Adrienne Salon

S34 Session
DISEASE PATHWAYS AND NEW TREATMENT STRATEGIES IN HEART FAILURE AND CARDIOMYOPATHIES

Chairs: J.A. Chirinos, Philadelphia, PA, USA
A.M. Gerdes, Old Westbury, NY, USA

11:15 TREATING RAPID ATRIAL FIBRILLATION IN DECOMPENSATED HEART FAILURE: METOPROLOL IS SUPERIOR TO DILTIAZEM
Washington University in St. Louis School of Medicine, St. Louis, Missouri, USA

11:30 PREDICTORS OF HEART FAILURE WITH PRESERVED EJECTION FRACTION (HFPEF)
A. Kumar, A.K. Saluja, A. Khan, D. Gandhi, M.A. Morsy, W.I. Khalife
University of Texas Medical Branch, Galveston, TX, USA

11:45 OPTIMIZING HEART FAILURE OUTCOMES: WHICH HOSPITAL CARE MODEL CAN WE LEARN FROM?
P.M. Ndunda, M. Farhoud, H. Farhoud, K.J. Kallail
Kansas University School of Medicine-Wichita, Wichita, KS, USA

12:00 COMPARATIVE EFFECTIVENESS OF TRANSITIONAL CARE SERVICES IN PATIENTS DISCHARGED FROM THE HOSPITAL WITH HEART FAILURE (HF): A META-ANALYSIS
Population Health Research Institute and McMaster University, Hamilton, ON, Canada

12:15 INFLUENCE OF PREHYPERTENSION AND STAGE-1 HYPERTENSION ON THE OUTCOME OF ADULTS WITH HYPERTROPHIC CARDIOMYOPATHY
Y.R. Manda, L.B. Chebrolu, J. Shirani
St Luke's University Health Network, Bethlehem, PA, USA

12:30 ASSOCIATION OF HUMANIN A NOVEL MITOCHONDRIAL DERIVED PROTEIN AND HUMAN HEART FAILURE: RESULTS OF A PILOT INVESTIGATION
H. Narayanasamy, N. Bardia, J. Wan, D. Lee, P. Cohen, L. Grazette
Keck Medical School of USC, LA, CA, USA

12:45 DECREASED RENAL FUNCTION IS ASSOCIATED WITH HEART FAILURE READMISSION
M.R. Vindhyal, B. Duran, H. Farhoud, K.J. Kallail
KU School of Medicine, Wichita, Kansas, USA

13:00 EDHFIC: INITIAL EXPERIENCE WITH A NOVEL MULTIDISCIPLINARY COLLABORATION TO DECREASE HEART FAILURE ADMISSIONS
A.S. Bhatt, C. Cosgrove, M. Moorer, A.J. Smally, J. Radojevic, D. Wencker, J.A. Gluck, University of Connecticut School of Medicine, Farmington, CT, USA

13:15 COLCHICINE USE FOR THE PRIMARY PREVENTION OF POSTPERICARDIOTOMY SYNDROME (CUPP): A META-ANALYSIS
Philippine Heart Center, Quezon City, Philippines
13:30 TRASTUZMAB CARDIOTOXICITY DOCUMENTED BY SERIAL ASSESSMENT OF LEFT VENTRICULAR SYSTOLIC FUNCTION AND GLOBAL LONGITUDINAL PEAK STRAIN
A.M. Cook, R.C. Phillion, K.J. Babbitt, L.L. Eberhart, D.E. Langholz, H.L. Sherman. Spectrum Health Frederik Meijer Heart & Vascular Institute, Grand Rapids, MI, USA

13:45 PREDICTORS OF LEFT VENTRICULAR DYSFUNCTION AFTER ARTERIAL-VENOUS FISTULA PLACEMENT
Albany Medical College, Albany, NY, USA
P501  MOLECULAR AND CELLULAR CARDIOLOGY, BASIC AND TRANSLATIONAL RESEARCH

Board No.  Abstract No.

1  ENHANCED INHIBITORY EFFECTS OF AMIODARONE ON HERG CHANNELS DUE TO A COMPOUND MUTATION L539/FS47-HERG LINKED TO LONG QT SYNDROME TYPE 2
G.L. Li, A.F. Zhang, J.E. Wu, W.Q. Han, S.T. Ma, Y. Lv, C.C. Cui, C.F. Sun
The First Affiliated Hospital, Xi’an Jiaotong University College of Medicine, Xi’an, Shaanxi, China

2  GAB1 IS ESSENTIAL FOR CARDIOPROTECTION AGAINST ISCHEMIC/REPERFUSION INJURY
Institute of Molecular Medicine, Peking University, Beijing, China

3  PREVALENCE OF ANTIPLATELET DRUG RESISTANCE IN ASIAN COMMUNITY
A.P. Sadath, G.V. Raghavan
Kims Hospital, Trivandrum, Kerala, India

4  ANTIOXIDANT EFFECT OF METABOLIC DRUG ELTACIN AND ITS USE IN THERAPY OF AGING PATIENTS WITH ISCHEMIC HEART DISEASE
E.V. Kalinina, R.M, Zaslavskaya, Y.R. Nartsissov
Peoples’ Friendship University of Russia, Moscow, MS, Russia

5  ESSENTIAL ROLE OF UVRAG IN CARDIAC FUNCTION
L. An, Z. Song, Y. Ye, Y. Zou, L. He, H. Zhu
Bio-X Institutes, Key Laboratory for the Genetics of Developmental and Neuropsychiatric Disorders, Ministry of Education, Shanghai Jiao Tong University, Shanghai, China

6  HIGH-FAT DIET ENHANCED CTRP1 PROTEIN STIMULATES SIGNALING PATHWAY RELATED TO MUSCLE CONTRACTION IN C2C12 MYOCYTES
Y. Yang
Sookmyung Women’s University, Seoul, Republic of Korea

P502  PROGRESS IN ECHOCARDIOGRAPHY

7  IMPORTANT ETHNIC DIFFERENCES IN STROKE VOLUME (SV) – BODY SURFACE AREA (BSA) RELATIONS: ECHONORMAL META-ANALYSIS
J.M. Gardin, K.K. Poppe, G.A. Whalley; R. Senior, on behalf of the EchoNoRMal collaborators
Hackensack University Medical Center, Hackensack, NJ, USA
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