



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

**ADVANCE PROGRAM**

SATURDAY, JULY 26, 2014

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**09:00 – 10:15**

**Hall A**

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OPENING CEREMONY

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**09:35 – 10:15**

**Hall A**

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OPENING LECTURE

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**10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION**

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**10:45 – 13:15**

**Hall A**

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**PL01 Plenary Session**  
**NEW INSIGHTS INTO THE PATHOGENESIS AND TREATMENT OF**  
**CARDIOMYOPATHIES**

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

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

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

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

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

CENDERITIDE: A NOVEL DESIGNER NATRIURETIC PEPTIDE FOR POST ACUTE  
HEART FAILURE (Invited Lecture)

**J.C. Burnett Jr.**, Mayo Clinic, Rochester, MN, USA



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**PL01 Plenary Session**  
**NEW INSIGHTS INTO THE PATHOGENESIS AND TREATMENT OF**  
**CARDIOMYOPATHIES (cont.)**

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

MOLECULAR TARGETING OF DILATED CARDIOMYOPATHY (Invited Lecture)  
**B.S. Tuana**, J. Majors, M. Salih  
University of Ottawa Heart Institute, Ottawa, Canada

TRANSLATING T3 TREATMENT OF HEART FAILURE FROM BENCH TO BEDSIDE:  
FINALLY, A SAFE TREATMENT/MONITORING PROTOCOL THAT SHOULD WORK!  
(Invited Lecture)  
**A. Martin Gerdes**, New York Institute of Technology, Old Westbury, NY, USA

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

MOLECULAR AND STRUCTURAL REMODELING UNDERLYING THE DEFECTIVE  
CELL CONTRACTILITY IN HEART FAILURE (Invited Lecture)  
**S.Q. Wang**, Peking University, Beijing, China

ARRHYTHMIA MECHANISMS IN ARRHYTHMOGENIC CARDIOMYOPATHY: LIFE  
NANOMETERS AWAY FROM SUDDEN DEATH (Invited Lecture)  
**M. Delmar**, New York University School of Medicine, York, NY, USA

13:15 LUNCH BREAK, VISIT POSTERS AND EXHIBITION



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Hall B

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**PL02 Plenary Session**  
**ADVANCES IN CARDIOVASCULAR IMAGING**

ECHOCARDIOGRAPHY: PAST, PRESENT AND FUTURE (Invited Lecture)  
**Navin C. Nanda**, University of Alabama at Birmingham, Birmingham, AL, USA

PRESENT AND FUTURE OF NUCLEAR CARDIOLOGY AND CARDIAC CT IN CAD:  
VALUE-BASED IMAGING (Invited Lecture)  
**D.S. Berman**, Cedars Sinai Medical Center, Los Angeles, CA, USA

STRESS-ONLY IMAGING; A NEW PARADIGM FOR PERFORMING STRESS  
MYOCARDIAL PERFUSION IMAGING (Invited Lecture)  
**J. Mahmarian**, Houston Methodist DeBakey Heart and Vascular Center, Houston, Texas,  
USA

IMAGING ACE AND ANGIOTENSIN RECEPTORS IN THE HEART (Invited Lecture)  
**J. Shirani**, St. Luke's Hospital and Health Network, Bethlehem, PA, USA

HAND HELD CARDIAC ULTRASOUND: ROLE IN CLINICAL PRACTICE  
(Invited Lecture)  
**P.A. Pellikka**, Mayo Clinic College of Medicine and Mayo Foundation, Rochester, MN,  
USA

IMPACT OF CORONARY CT ANGIOGRAPHY ON PATIENT MANAGEMENT AND  
CARDIOVASCULAR OUTCOMES: HOW TO INTEGRATE TEST RESULTS IN PATIENT  
CARE (Invited Lecture)  
**R. Blankstein**, Brigham and Women's Hospital, Harvard Medical School, Boston, MA,  
USA

FUNCTIONAL AND ANATOMICAL CARDIAC IMAGING IN PATIENTS WITH  
CORONARY ARTERY STENTS (Invited Lecture)  
**A. Elhendy**, Marshfield Clinic, Marshfield, WI, USA

DIAGNOSTIC AND PROGNOSTIC ROLE OF NONINVASIVE CORONARY FLOW  
RESERVE (Invited Lecture)  
**Q. Ciampi**, C. Manicardi, B. Villari, Fatebenefratelli Hospital, Benevento, Italy

CARDIAC MAGNETIC RESONANCE IMAGING FOR CORONARY ARTERY DISEASE  
(Invited Lecture)  
**F. Sozzi**, L. Iacuzio, C. Canetta, F. Civaia, S. Rusek, P. Rossi, N. Hugues, F. Lombardi,  
G. Dreyfus, V. Dor, Ospedale Maggiore Policlinico, Italy



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**PL02 Plenary Session**  
**ADVANCES IN CARDIOVASCULAR IMAGING (cont.)**

FRACTIONAL FLOW RESERVE (Invited Lecture)  
**J. Garcia**, Denver Health Medical Center, Denver, CO, USA

PROGNOSTIC VALUE OF MICROVASCULAR OBSTRUCTION ON MULTIDETECTOR  
COMPUTED TOMOGRAPHY AFTER PRIMARY PERCUTANEOUS CORONARY  
INTERVENTION IN ACUTE MYOCARDIAL INFARCTION (Invited Lecture)  
**K. Okumura**, S. Ogasawara, H. Mukawa, T. Sone, H. Tsuboi, I. Morishima, M. Uesugi,  
E. Matsushita, Y. Morita, T. Murohara  
Toki Municipal General Hospital, Toki, Japan

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Hall C

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**PL03 Plenary Session**  
**NOVEL THERAPIES FOR ATHEROSCLEROSIS**

GUIDING PRINCIPLES IN STATIN UTILIZATION: EMERGING CLINICAL AND PUBLIC HEALTH CHALLENGES (Invited Lecture)

**C.H. Hennekens**, Florida Atlantic University, Boca Raton, FL, USA

HDL AND THE HDL HYPOTHESIS: WHERE DO WE STAND NOW? (Invited Lecture)

**W.E. Boden**, Samuel S. Stratton VA Medical Center, Albany, NY, USA

TRANSLATION OF HDL FUNCTIONALITY INTO CLINICAL PRACTICE (Invited Lecture)

**R.S. Rosenson**, Mount Sinai School of Medicine, New York, NY, USA

THE CONTROVERSIES OF STATIN THERAPY: AN OVERVIEW AND ASSESSMENT OF THE DATA (Invited Lecture)

**S. Chumburidze**, David Tvildiani Medical University, Tbilisi, Rep. of Georgia

RESIDUAL VASCULAR RISK AFTER STATIN THERAPY: THE PROMISE OF NOVEL LIPOPROTEIN BIOMARKERS (Invited Lecture)

**S. Mora**, Brigham and Women's Hospital, Boston, MA, USA

NEW AVENUES IN THE FIGHT AGAINST ATHEROSCLEROSIS (Invited Lecture)

**S. Lehoux**, McGill University, Montreal, QC, Canada

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

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

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

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

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Hall D

**S21 Session**  
**PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY, CONGENITAL HEART DISEASE**

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

CARDIAC FINDINGS IN NOONAN SYNDROME ON LONG-TERM FOLLOW-UP

**J.A. Noonan**, J.L. Colquitt  
University of Kentucky, Lexington, KY, USA

ECHOCARDIOGRAPHIC ASSESSMENT OF UNICUSPID AORTIC VALVE

**C.D. Janish**, E.R. Fenstad, C.M. Witt, G.C. Kane, P.A. Pellikka  
Mayo Clinic, Rochester, MN, USA

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. Menteeer  
Keck School of Medicine of the University of Southern California, Los Angeles, CA, USA

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

NEIGHBORHOOD DEPRIVATION AND INDIVIDUAL-LEVEL FAMILIAL AND SOCIODEMOGRAPHIC FACTORS AND RISK OF CHILDHOOD CONGENITAL HEART DISEASE: A NATIONWIDE STUDY FROM SWEDEN

**X. Li**, J. Sundquist, E. Memarian, C. Sjostedt, B. Zoller, K. Sundquist  
Center for Primary Health Care Research, Lund University, Sweden

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



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**S21 Session**  
**PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY, CONGENITAL HEART DISEASE (cont.)**

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 Mostafa, A. Essam, Y. Kamal, G. Hussein, H. El-Kiky, M. Abdel-Raouf  
Cairo University Hospitals, Pediatric Cardiology, Cairo, Egypt

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

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, Department of Pediatrics,

QTC AND QTD CHANGES AFTER CARDIOPULMONARY BYPASS SURGERY IN CHILDREN

**E.H. Aburawi**, A-K. Soud, P. Liuba, E. Pesonen  
UAE University, Al Ain, UAE

RESTRICTIVE CARDIOMYOPATHY: A 10-YEAR SINGLE INSTITUTION EXPERIENCE

**M. Eagam**, M. Samyn, A. Bobke, S. Zangwill  
Medical College of Wisconsin/Children's Hospital of Wisconsin, Milwaukee, WI, USA

13:15 LUNCH BREAK, VISIT POSTERS AND EXHIBITION





SATURDAY, JULY 26, 2014

08:00 – 13:00

Poster Hall

**P101 THE PLAQUE AND ACUTE CORONARY SYNDROMES**

COMPARISON OF THE IMPACT OF ACUTE CORONARY SYNDROME ON CLINICAL OUTCOMES BETWEEN CKD AND NON-CKD PATIENTS UNDERGOING PERCUTANEOUS CORONARY INTERVENTION IN DES ERA

**J.H. Kim**, J.H. Yang, S.H. Choi, Y.B. Song, J.Y. Hahn, J.H. Choi, H.C. Gwon, S.H. Lee  
Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea

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

PLASMA SEROTONIN AND PLATELET AGGREGATION RESPONSE TO COLLAGEN AS A PREDICTOR OF ADVERSE EVENTS

**T. Nantsupawat**, J. Simoni, G. Simoni, G. Sutamtewagul, C. Mankongpaisarnrung, J. Suarez, L.A. Jenkins  
Texas Tech University Health Sciences Center, Lubbock, TX, USA

DECADES AFTER TAKOTSUBO

**M.U. Farooq**, T. Aung, N. Singh, K. Khalighi  
Easton Hospital, Easton, PA, USA

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

DELAYED REDUCTION IN CYSTATIN C-BASED GFR AFTER PCI IS A PREDICTOR OF ADVERSE OUTCOMES IN PATIENTS WITH PRESERVED RENAL FUNCTION

**Y.G. Ko**, H.B. Park, 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

POST STEMI LEFT VENTRICULAR EJECTION FRACTION AND INFARCT SIZE ESTIMATION – ARE SERUM TROPONIN T LEVELS HELPFUL???

**S. Shakeel**, Z. Ali, S. Tufail, M.I.H. Khan, I.H. Toor, G.N. Tayyab  
Postgraduate Medical Institute, Ameer Ud Din Medical College, Lahore, Pakistan

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





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THE CORRELATION BETWEEN SERUM CYSTATIN C CONCENTRATIONS AND SEVERITY OF CORONARY ARTERY DISEASE IN NORMAL KIDNEY FUNCTION PATIENTS WITH ACUTE CORONARY SYNDROME

**H.A. Habibimeha**, A.R. Zahedmehr, Y. Ghelich, Young Researchers Club, Tehran, Iran

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

ESTIMATION OF PLATELETS AND WHITE BLOOD CELLS PARAMETERS IN PATIENTS WITH ACUTE CORONARY SYNDROMES

A. Xanthopoulos, M. Skoura, K. Tsiplaki, **E. Paraskevopoulou**, S. Patsilinakos, P. Paraskevopoulou

Cardiology Clinic of Konstantopouleio Hospital of N. Ionia, Athens, Greece

INCREMENTAL VALUE OF HIGH SENSITIVITY TROPONIN IN ACUTE CORONARY SYNDROME

**S.P. Ambalath**, G.V. Raghavan, Kims Hospital, Trivandrum, Kerala, India

**P103 ANTIPLATELET AND ANTITHROMBOTIC THERAPIES IN ACUTE CORONARY SYNDROMES**

COMPARISON OF THE EFFECTS OF ENOXAPARIN AND UNFRACTIONATED HEPARIN ON INFLAMMATORY BIOMARKERS IN PATIENTS WITH ST-SEGMENT ELEVATED MYOCARDIAL INFARCTION: A PROSPECTIVE, OPEN-LABEL, PILOT, CLINICAL TRIAL

**S. Nasiripour**, M. Mojtahedzadeh, K. Gholami, S. Mousavi, B. Oveiji

Iran University of Medical Sciences, Tehran, Iran

SAFETY OF ADJUNCTIVE ANTICOAGULATION DURING PRIMARY PERCUTANEOUS CORONARY INTERVENTION IN PATIENTS WITH THERAPEUTIC ORAL ANTICOAGULATION

**I. Ahmed**, S.J. Voyce

The Wright Center for Graduate Medical Education, Scranton, PA, USA,

ESTIMATING THE CLINICAL VALUE OF CANGRELOR IN PATIENTS UNDERGOING PCI

**I.S. Jensen**, C. Wu, C.B. Bay, P.L. Cyr, ICON Health Economics, Cambridge, MA, USA

COMPLICATIONS OF INTRACORONARY ABCIXIMAB BOLUS-ONLY VERSUS STANDARD PROTOCOL DURING PERCUTANEOUS CORONARY INTERVENTION IN ACUTE CORONARY SYNDROME

**M.T. Shakoor**, S. Ayub, S. Dhakam, Baystate Medical Center, Springfield, MA, USA



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**P104 DIABETES MELLITUS, OBESITY, THE METABOLIC SYNDROME AND  
ATHEROSCLEROSIS: BASIC AND CLINICAL**

MEDITERRANEAN DIET, ADIPONECTIN LEVELS, GENETIC POLYMORPHISMS AND  
INCIDENCE OF CARDIOVASCULAR DISEASES IN THE PREDIMED-VALENCIA  
STUDY

**D. Corella**, C. Ortega-Azorín, J.V. Sorlí, O. Portolés, E.M. Asensio, C. Saiz, R. Osma,  
P. Guillem-Saiz, J.I. González, O. Coltell

CIBER Fisiopatología de la Obesidad y Nutrición, Instituto de Salud Carlos III, Madrid,  
Spain

DOES ADMISSION HBA1C PREDICT IN-HOSPITAL MORTALITY IN DIABETIC  
PATIENTS UNDERGOING PERCUTANEOUS CORONARY INTERVENTIONS?

**G.S.R Aponso**, J.C. Allen, L.L. Sim, J.R. Chiam, N.B. Hamid, K.K. Yeo  
Duke-NUS Graduate Medical School, Singapore

RELATIONSHIP BETWEEN ADMISSION BLOOD GLUCOSE LEVEL AND LONG-TERM  
CLINICAL OUTCOME IN ACUTE MYOCARDIAL INFARCTION

**T. Nunohiro**, M. Kurobe, K. Minami, S. Furudono, K. Amenomori, K. Uchida,  
S. Takeshita, H. Nakashima

Nagasaki Citizens Hospital, Nagasaki, Japan

DO WE REACH BETTER LIPID CONTROL IN DIABETIC PATIENTS AFTER  
PERCUTANEOUS CORONARY INTERVENTION?

**A. Martinez-Rubio**, E. Bosch-Peligero, M. Bonet-Alvarez, R. Flores-Clotet,  
M. DiazNuila-Alcazar, M. Santalo-Corcoy, E. Agut-Busquet, D. Valcarcel-Paz,  
J.C. Oliva-Morera, J Guindo-Soldevila

University Hospital of Sabadell (Univ Autonoma de Barcelona), Sabadell, Spain

PROGNOSTIC VALUE OF CLINIC AND AMBULATORY BLOOD PRESSURE  
MEASUREMENTS FOR PREDICTING THE RISK OF DEVELOPING DIABETES

**R.C. Hermida**, D.E. Ayala, A. Mojon, J.R. Fernandez

University of Vigo, Vigo, Spain

INFLUENCE OF TIME OF DAY OF BLOOD PRESSURE-LOWERING TREATMENT ON  
THE RISK OF DEVELOPING NEW-ONSET DIABETES

**R.C. Hermida**, D.E. Ayala, A. Mojon, J.R. Fernandez

University of Vigo, Vigo, Spain

THE MOLECULAR MECHANISM OF THE ANTI-OXIDATIVE EFFECTS OF TANNIC  
ACID ON PALMITIC ACID-INDUCED CYTOTOXICITY IN PNEUMOCYTES

**K.L. Wong**, C.W. Cheung, C.Z. Chao, E.C. So, B.M. Huang, Y.M. Leung

China Medical University & Hospital, Taichung, Taiwan



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**P104 DIABETES MELLITUS, OBESITY, THE METABOLIC SYNDROME AND  
ATHEROSCLEROSIS: BASIC AND CLINICAL (cont.)**

ARTERIAL MICRO-CALCIFICATION IS ASSOCIATED WITH CORONARY ARTERY  
CALCIUM SCORE IN HEMODIALYSIS PATIENTS

**Y.O. Kim**, SJ Choi

Uijeongbu St. Mary's Hospital, Uijeongbu-city, Korea

THE ASSOCIATION OF EDUCATION AND OBESITY AS DETERMINANTS OF PULSE  
PRESSURE IN A DIABETIC POPULATION

**H. Aggarwal**, J. Liu

Brock University, St. Catharines, ON, Canada

THE RELATIONSHIP BETWEEN JOB ENRICHMENT AND ABDOMINAL OBESITY: A  
LONGITUDINAL FIELD STUDY OF APPARENTLY HEALTHY INDIVIDUALS

Y. Fried, G.I. Laurence, A. Shirom, S. Melamed, S. Toker, S. Berliner, **I. Shapira**

Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

CORRELATION OF MICROALBUMINURIA WITH OBESITY AND CARDIOVASCULAR  
RISK MARKERS IN TYPE II DIABETIC NORTH INDIAN PUNJABI POPULATION

**R. Kapoor**, R. Khanna, S. Kapoor, R. Kapoor

Carewell Heart & Superspeciality Hospital, Amritsar, India

PREVALENCE OF CORONARY ATHEROSCLEROSIS IN AN ASIAN POPULATION:  
FINDINGS FROM CORONARY CT ANGIOGRAPHY

**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

IT CAN BE DONE: REDUCTION OF OBESITY & CARDIOVASCULAR DISEASE RISK  
IN A HIGH RISK POPULATION BY LIFESTYLE CHANGES

**O.S. Randall**, J. Kwagyan, M. Ketete, C. Bettencourt, A.R. Maqbool, S. Xu

Howard University College of Medicine, Washington, DC, USA

THE LATEST DEVELOPMENTS ON COMMON PATHWAYS BETWEEN  
HYPERTENSION AND DIABETES

**C. Li**, B.M.Y. Cheung

The University of Hong Kong, Queen Mary Hospital, Hong Kong SAR

OPTIMAL CUTOFF OF WAIST CIRCUMFERENCE AND WAIST TO HIP RATIO FOR  
THE KOREAN POSTMENOPAUSAL WOMEN

**H-S. Kim**, H-R. Kim

College of Nursing, The Catholic University, Seoul, Korea



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**P105 PULMONARY CIRCULATION ASPECTS, PULMONARY HYPERTENSION**

PLASMA LEVEL OF SECRETORY TYPE II PHOSPHOLIPASE A2 IS  
PATHOPHYSIOLOGICALLY ASSOCIATED WITH PULMONARY ARTERY PRESSURE  
IN CONGENITAL ATRIAL SEPTUM DEFECT SUBJECTS

**P.Y. Liu**, J.N. Wang, J.M. Wu

National Cheng Kung University Hospital, Tainan, Taiwan

PROCESS/OUTCOME MEASURES OF ADULT VENOUS THROMBOEMBOLUS (VTE)  
& PULMONARY EMBOLUS (PE) PROPHYLAXIS

**D.T. Gray**

Agency for Healthcare Research and Quality, Rockville, MD, USA

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

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

CORRELATION BETWEEN PULMONARY ARTERY DIAMETER AND MEAN  
PULMONARY ARTERY PRESSURE IN PULMONARY ARTERIAL HYPERTENSION  
ASSOCIATED WITH SCLERODERMA

**J.H. Nichols**, E. Kaloudis, D. Datta, R. Foley

University of CT Health Center, Farmington, CT, USA

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 & Vascular Institute, Grand Rapids, MI, USA



SATURDAY, JULY 26, 2014

08:00 – 13:00

Poster Hall

**P106 CARDIOVASCULAR ASPECTS IN RENAL DISEASE**

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

STUDY OF CONTRAST INDUCED NEPHROPATHY IN PATIENTS UNDERGOING CARDIAC CATHETERIZATION: UPPER EGYPT EXPERIENCE

**A.M. Kassem**, S.E. Shazly, E.L. Hamed  
Sohag Faculty of Medicine, Sohag, Egypt

EFFECT OF SEMAPHORIN 3C ON ENDOTHELIAL-TO-MESENCHYMAL TRANSITION IN POLYCYSTIC KIDNEY DISEASE

B.H. Kim, J.Y. Ko, **J.H. Park**  
Sookmyung Women's University, Seoul, South Korea

**P107 SYNCOPE AND SUDDEN DEATH: RISK ASSESSMENT AND MANAGEMENT**

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

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

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

CLINICAL AND PROGNOSTIC SIGNIFICANCE OF IDIOPATHIC INTRAVENTRICULAR CONDUCTION DISTURBANCES IN YOUNG SUBJECTS

**L. Ucci**, G. Allocca, N. Sitta, L. Sciarra, F. Sperandii, A. Cati, M. Centa, L. Coro, L. Calo, P. Delise  
Thoracic and Vascular Sciences, University of Padua, Padua, Italy



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**P107 SYNCOPE AND SUDDEN DEATH: RISK ASSESSMENT AND MANAGEMENT**

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

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

TRANSIENT EPISODES OF UNRESPONSIVENESS IN A PATIENT ON METHADONE

**S. Kanneganti**, K. Khalighi  
Easton Hospital, Easton, PA, USA





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Hall A

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**PL04 Plenary Session**  
**CARDIOVASCULAR DISEASE PREVENTION AND RISK FACTORS**

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

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

TIME TO FOCUS ON CV HEALTH (NOT CV DISEASE) (Invited Lecture)

**L. Sperling**, Emory University School of Medicine, Atlanta, GA, USA

NEW GUIDELINES ON CARDIOVASCULAR RISK ASSESSMENT (Invited Lecture)

**N.D. Wong**, University of California, Irvine, CA, USA

RISK FACTORS FOR CARDIOVASCULAR DISEASE IN PATIENTS WITH CHRONIC  
KIDNEY DISEASE (Invited Lecture)

**M.A. Alpert**, University of Missouri- Columbia School of Medicine, Columbia, MO, USA

THE INFLUENZA VACCINE- PREVENTING CARDIOVASCULAR EVENTS IN HIGH-  
RISK PATIENTS (Invited Lecture)

**M. Farkouh**, Toronto General Hospital, Toronto, ON, Canada

TWENTY YEAR OF C-REACTIVE PROTEIN IN CARDIOLOGY: STILL AN APPEALING  
MARKER OF DISEASE? (Invited Lecture)

**L.M. Biasucci**, Policlinico A. Gemelli, Catholic University of the Sacred Heart, Rome, Italy

ASSOCIATION BETWEEN OBSTRUCTIVE SLEEP APNEA AND CORONARY ARTERY  
DISEASE (Invited Lecture)

**A. Tamura**, Oita University, Yufu, Japan

INTEGRATIVE AND COMPLEMENTARY MEDICINE IN CARDIOLOGY: NEW HOPE OR  
JUST HIP AND HYPE? (Invited Lecture)

**F.V. Mody**, VA Greater Los Angeles HCS, CA, USA

WOMEN AND HEART DISEASE: UPDATE ON PREVENTION (Invited Lecture)

**S. Malik**, UC Irvine, CA, USA

RACIAL DIFFERENCES IN THE BURDEN AND ASSOCIATIONS OF MARKERS OF  
SUBCLINICAL ATHEROSCLEROSIS

**S. Erqou**, K.E. Kipp, S.R. Mulukutla, A.N. Aiyer, S.E. Reis  
Weill Cornell Medical College, New York City, New York, USA

ASSOCIATION BETWEEN SERUM VITAMIN D LEVELS AND ATHEROSCLEROSIS: A  
META ANALYSIS

**P. Agasthi**, S. Levis-Dusseau, L. Tamariz, University of Miami, Miami, Florida, USA

16:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION



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Hall B

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**PL05 Plenary Session**

**PREDICTION AND PREVENTION OF SUDDEN CARDIAC DEATH**

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

PREDICTION OF ARRHYTHMIC EVENTS WITH POSITRON EMISSION  
TOMOGRAPHY (Invited Lecture)

**M.E. Cain**, University at Buffalo, Buffalo, NY, USA

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

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

LIVE CELL SUPERRESOLUTION MICROSCOPY IDENTIFIES PROLIFERATIVE  
NANOPATHOLOGY OF T-TUBULE MEMBRANES (Invited Lecture)

**S.E. Lehnart**, University Medical Center Goettingen, Germany

PREVENTION OF SUDDEN CARDIAC DEATH DURING SPORTS: THE POWER OF  
PRE-PARTICIPATION SCREENING (Invited Lecture)

**D. Corrado**, University of Padua Medical School, Padova, Italy

THE SHORT QT SYNDROME AND SUDDEN CARDIAC DEATH (Invited Lecture)

**M.H. Gollob**, University of Ottawa Heart Institute, Ottawa, ON, Canada

ABLATION OF IDIOPATHIC VENTRICULAR TACHYCARDIA (Invited Lecture)

**K.S. Srivathsan**, Mayo Clinic, Arizona, USA

A CASE OF ORTHOSTATIC HYPOTENSION AND RECENT ADVANCES  
(Invited Lecture)

**G.L. Fung**, UCSF Medical Center at Mt. Zion, San Francisco, CA, USA

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

16:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION



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Hall C

**PL06 Plenary Session**  
**INFLAMMATION AND CARDIOVASCULAR DISEASE MECHANISMS**

INNATE IMMUNITY AND HEART DISEASE (Invited Lecture)

**A.A. Knowlton**, University of California, Davis, CA, USA

ROLE OF ENDOTHELIN-1 AND CAMKINASE II SIGNALING IN CARDIOVASCULAR COMPLICATIONS (Invited Lecture)

**A.K. Srivastava**, CRCHUM, University of Montreal, Montreal, Quebec, Canada

INFLAMMATION AND POST-ISCHEMIC CARDIAC REMODELING: MOLECULAR MECHANISMS AND THERAPEUTIC PERSPECTIVES (Invited Lecture)

**J.S. Silvestre**, Paris-Centre de Recherche Cardiovasculaire, Paris, France

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

REGULATION OF INTESTINAL GENES BY AN 18 MER PEPTIDE REDUCES SYSTEMIC INFLAMMATION AND IMPROVES CARDIOVASCULAR STATUS (Invited Lecture)

K.D. Navab, S. Seyedali, N. Ghiam, S. Saremi, G. Hough, **M. Navab**  
David Geffen School of Medicine at UCLA, Los Angeles, CA, USA

NOVEL ALTERNATIVE MECHANISMS OF CARDIOVASCULAR CALCIFICATION (Invited Lecture)

**E. Aikawa**, Harvard Medical School, Brigham and Women's Hospital, Boston, MA, USA

PHARMACOLOGICAL MODULATION OF ANGIOTENSIN-II-INDUCED ARTERIAL MONONUCLEAR CELL ADHESION BY NUCLEAR RECEPTORS ACTIVATION (Invited Lecture)

**M.J. Sanz**, Universidad de Valencia, Spain

TRAINING OF CARDIOVASCULAR PHYSICIAN-SCIENTISTS: RESULTS OF SPECIFIC TRAINING PATHWAYS

**J.D. Marsh**

University of Arkansas for Medical Sciences, Little Rock, AR, USA

ENDOGENOUS MODULATION OF EXTRACELLULAR MATRIX PROTEINS DURING SCAR FORMATION AFTER MYOCARDIAL INFARCTION

S. Simsekylimaz, 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



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Hall C

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**PL06 Plenary Session**  
**INFLAMMATION AND CARDIOVASCULAR DISEASE MECHANISMS (cont.)**

REGULATION OF ENDOTHELIAL VCAM-1 EXPRESSION VIA MODULATION OF ANTI-  
OXIDANT PATHWAY

**A. Ziaei**, S. Masli

Boston University School of Medicine, Boston, MA, USA

CHRONIC KIDNEY DISEASE AUGMENTS CARDIOVASCULAR RISK: MODULATION  
OF MYOCARDIAL BLOOD FLOW REGULATION AND CYP450 ARACHIDONIC ACID  
METABOLITES

**J.G. Kingma**, D. Simard, D. Patoine, S. Pilote, B. Drolet, J.R. Rouleau,  
C. Simard

Laval University, Quebec, Canada

ROLE OF NON-GENOMIC SIGNALING IN THE TISSUE SPECIFIC AND VASCULAR  
PROTECTIVE EFFECTS OF ESTROGEN

**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

16:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION



SATURDAY, JULY 26, 2014

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14:00 – 16:30

Hall D

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**S22 Session**  
**NEW DIRECTIONS IN CARDIOVASCULAR SURGERY**

CHARACTERIZATION OF READMISSIONS IN THE LVAD SUPPORTED HEART FAILURE POPULATION

**A.A. Schmitt**, S. Anders, S. Lewey, B. McLaughlin, J. Bjelkengren, S.A. Schaefer, D. Sato, N. Nair, D. Sandler, T.B. Icenogle  
Providence Sacred Heart Medical Center, Spokane, WA, USA

CAN BLOOD TYPE O PATIENTS ON LVADS BE AT INCREASED RISK FOR GI BLEEDS?

**N. Nair**, A.A. Schmitt, S. Anders, S.A. Schaefer, J. Bjelkengren, S. Lewey, B. McLaughlin, D. Sato, D. Sandler, T.B. Icenogle  
Providence Sacred Heart Medical Center, Spokane, WA, USA

DATA QUALITY ASSESSMENT OF THE PERCUTANEOUS CORONARY INTERVENTION CALIFORNIA AUDIT MONITORED PILOT WITH OFFSITE SURGERY (PCI-CAMPOS) PROGRAM

**S. Ram**, W. Bommer, A. Odor, P.M. Yellowlees, T. Patel, Z. Li, L. Vazquez, G. Mahendra  
University of California, Davis, CA, USA

PARADOXICAL ASSOCIATION OF SMOKING AND OUTCOMES AMONG HEART TRANSPLANT RECIPIENTS

**M. Mujib**, W.S. Aronow, G.M. Lanier, D. Kolte, S. Khera, C. Palaniswamy, P. Hari Krishnan, T. Ahmed, D. Jain, S. Sule, G.C. Fonarow, A. Ahmed, W.H. Frishman, A.L. Gass, S.D. Prabhu, J.A. Panza  
New York Medical College, Valhalla, NY, USA

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

QUALITY OF LIFE OUTCOMES IN ELDERLY PATIENTS UNDERGOING CORONARY ARTERY BYPASS GRAFT SURGERY: WHAT IS THE EVIDENCE?

**A. Saxena**, L. Shan, T.D. Yan, M.P. Valley, P.G. Bannon, A.E. Newcomb  
Royal Prince Alfred Hospital, Sydney, NSW, Australia

CLINICAL ANALYSIS OF VENTRICULAR ASSIST DEVICE FOR CARDIOGENIC SHOCK RESULTING FROM ISCHEMIC HEART DISEASE

**T. Satsu**, M. Ono, K. Nawata, O. Kinoshita, M. Kimura, H. Kitayama, T. Saga  
Kinki University, Osaka, Japan



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Hall D

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**S22 Session**

**NEW DIRECTIONS IN CARDIOVASCULAR SURGERY (cont.)**

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

MANAGEMENT OF HEPARIN INDUCED THROMBOCYTOPENIA AND LEFT VENTRICULAR THROMBUS IN A PATIENT WITH CARDIOGENIC SHOCK

**H. Keshmiri**, B. Mohamedali, G. Bhat, A. Tatoes, G. Sayer  
University of Illinois at Chicago/ Advocate Christ Medical Center, Chicago, IL, USA

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

PREDICTORS OF PROCEDURAL SUCCESS AMONG PATIENTS WHO UNDERWENT MULTI-VESSEL PERCUTANEOUS CORONARY INTERVENTION (A RETROSPECTIVE COHORT STUDY)

**P.C. Ines**, E.L. Tin Hay  
Philippine Heart Center, Quezon City, Philippines

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

16:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION





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Hall A

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**PL07 Plenary Session**  
**GENETIC ASPECTS OF CARDIOVASCULAR DISEASE / STEM CELL AND GENE THERAPY**

GENETIC DISRUPTION OF NPR1 UPREGULATES CARDIAC EXPRESSION OF PROINFLAMMATORY MEDIATORS (Invited Lecture)

**K.N. Pandey**, Tulane University School of Medicine, New Orleans, LA, USA

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

STEM CELL AND GENE THERAPY FOR HEART FAILURE (Invited Lecture)

**L.W. Miller**, University of South Florida, Tampa, FL, USA

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

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

THE ROLE OF PROGENITOR CELLS IN ATHEROSCLEROSIS (Invited Lecture)

**N.M. Caplice**, University College Cork, Cork, Ireland

GENETIC FACTORS INFLUENCING CAROTID ARTERY SIZE IN AMERICAN INDIANS (Invited Lecture)

**J.N. Bella**, Bronx-Lebanon Hospital Center, Bronx, NY, USA

GENETIC DISCOVERY OF CVD IN DIABETIC PATIENTS (Invited Lecture)

**L. Qi**, Harvard School of Public Health, Boston, MA, USA

CILIA AND CONGENITAL HEART DISEASE: WHAT IS THE CONNECTION? (Invited Lecture)

**M. Zahid**, University of Pittsburgh, Pittsburgh, PA, USA

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



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Hall B

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**PL08 Plenary Session**

**MECHANISMS OF ACUTE CORONARY SYNDROME: FROM BENCH TO BEDSIDE**

TOLL-LIKE RECEPTOR 9 REGULATION OF COAGULATION IN ACUTE CORONARY ARTERY DISEASE (Invited Lecture)

**J.G. Filep**, Maisonneuve-Rosemont Hospital, Montreal, Quebec, Canada

HIGH SENSITIVITY CARDIAC TROPONIN – A CARDIOLOGIST'S FRIEND OR FOE? (Invited Lecture)

**S. Schaefer**, University of California, Davis, CA, USA

THE EVOLUTION OF ANTIPLATELET THERAPY FOR ACS - FROM BENCH TO BEDSIDE (Invited Lecture)

**S.J. Brener**, NY Methodist Hospital, NY, USA

INTRODUCTION OF A MOUSE MODEL THAT REFLECTS HUMAN ATHEROSCLEROTIC 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

IMPAIRED ENDOGENOUS THROMBOLYSIS- A NOVEL, POINT-OF-CARE BIOMARKER PREDICTIVE OF ADVERSE CARDIOVASCULAR EVENTS (Invited Lecture)

**D.A. Gorog**, Imperial College, London, UK

TRIGGERS OF ACUTE CARDIOVASCULAR EVENTS: CLINICAL IMPLICATIONS (Invited Lecture)

**M. Madjid**, Texas Heart Institute, Houston, TX, USA

INTRAVASCULAR NEAR-INFRARED FLUORESCENCE MOLECULAR IMAGING OF INFLAMED PLAQUES (Invited Lecture)

**E.A. Osborn**, Massachusetts General Hospital, Boston, MA, USA

EVOLVING ROLE OF PLATELET FUNCTION TESTING IN ACUTE CORONARY SYNDROMES (Invited Lecture)

**R. Sharma**, University of Arkansas Medical Science, Little Rock, AR, USA

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



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Hall C

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**S23 Session**

**VALVULAR HEART DISEASE: MECHANISMS AND TREATMENT OPTIONS**

SEVERE LEFT VENTRICULAR DYSFUNCTION IS NOT A CONTRAINDICATION TO AORTIC VALVE REPLACEMENT FOR AORTIC INSUFFICIENCY

T. Kaneko, R.C. Neely, I. Gosev, Q. Javed, S. McGurk, J.C. Rawn, S.F. Aranki, J.G. Byrne, L.H. Cohn, **M. Leacche**  
Brigham and Women's Hospital, Boston, MA, USA

OUTCOMES OF A HYBRID APPROACH OF PERCUTANEOUS CORONARY INTERVENTION FOLLOWED BY MINIMALLY INVASIVE AORTIC VALVE REPLACEMENT

**H.M. Elmahdy**, A.M. Pineda, S.A. Horvath, O. Santana, C.G. Mihos, N. Beohar, J. Lamelas  
Mount Sinai Medical Center, Miami Beach, FL, USA

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

NATIONWIDE TRENDS IN THE INCIDENCE AND OUTCOMES OF ACUTE RHEUMATIC FEVER IN THE UNITED STATES

**P. Harikrishnan**, D. Kolte, C. Palaniswamy, S. Khera, M. Mujib, W.S. Aronow, S. Sule, D. Jain, A. Ahmed, G.C. Fonarow, W.H. Frishman, J.A. Panza  
New York Medical College, Valhalla, NY, USA

HYBRID APPROACH OF PERCUTANEOUS CORONARY INTERVENTION AND MINIMALLY INVASIVE MITRAL VALVE SURGERY IN PATIENTS WITH CORONARY ARTERY AND MITRAL VALVE DISEASE

**S.A. Horvath**, C.G. Mihos, A.M. Pineda, H.M. Elmahdy, O. Santana, J.P. Rodriguez-Escudero, N. Beohar, J. Lamelas  
Mount Sinai Medical Center, Miami Beach, FL, USA

MINIMALLY INVASIVE ISOLATED AORTIC VALVE REPLACEMENT IN OCTOGENARIANS

**R.K. Krishna**, O.M. Issa, D. Saha, O. Santana, G.A. Lamas, J. Lamelas  
Mount Sinai Medical Center, Miami Beach, FL, USA

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



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**S23 Session**

**VALVULAR HEART DISEASE: MECHANISMS AND TREATMENT OPTIONS (cont.)**

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

MINIMALLY INVASIVE AORTIC VALVE REPLACEMENT IMPROVES OUTCOMES OF REOPERATIVE AORTIC VALVE REPLACEMENT

**I. Gosev**, S. McGurk, T. Kaneko, D. Loberman, R.C. Neely, Q. Javed, M. Leacche, L.H. Cohn, S.F. Aranki  
Brigham and Women's Hospital, Boston, MA, USA

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

A NEW AORTOTOMY TECHNIQUE FOR AORTIC VALVE REPLACEMENT: REVERSE 'U' AORTOTOMY (KIRALI INCISION)

**K. Kirali**  
Kartal Kosuyolu Heart Education and Research Hospital, Istanbul, Turkey

A SYSTEMATIC REVIEW ON THE QUALITY OF LIFE BENEFITS AFTER AORTIC VALVE REPLACEMENT SURGERY IN THE ELDERLY

**N. Agostinho**, A. Saxena, L. Shan, M.P. Vallely, T.D. Yan, A.E. Newcomb, P.G. Bannon  
Royal Prince Alfred Hospital, Sydney, NSW, Australia



SATURDAY, JULY 26, 2014

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16:45 – 19:15

Hall D

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**S24 Session**

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

HYPERTENSION WAS NOT A PREDICTOR OF CLINICAL EVENTS AT ONE-YEAR IN PATIENTS WITH ACUTE ST-ELEVATION MYOCARDIAL INFARCTION WHO UNDERWENT PRIMARY CORONARY INTERVENTION

**K.S. Cha**, J.S. Park, J. Ahn, J.H. Kim, H.W. Lee, J.H. Oh, J.H. Choi, H.C. Lee, T.J. Hong, M.H. Jeong

Pusan National University Hospital, Busan, South Korea

ASLEEP BLOOD PRESSURE IS AN INDEPENDENT PREDICTOR OF CARDIOVASCULAR EVENTS: THE HYGIA PROJECT

**R.C. Hermida**, A. Moya, J.J. Crespo, A. Otero, M. Dominguez, M.T. Rios, C. Castineira, A. Mojon, J.R. Fernandez, D.E. Ayala

University of Vigo, Vigo, Spain

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

CYP2D6 GENETIC INFORMATION-GUIDED METOPROLOL USE IN A CARDIOLOGY CLINIC – A PERSPECTIVE STUDY

**Y. Wu**, W.Q. Fan, E.J. Mascarenhas, K. Khalighi

Easton Hospital, Drexel University, Easton, PA, USA

GASTRIN AND D1 DOPAMINE RECEPTOR INTERACT TO INDUCE NATRIURESIS AND DIURESIS

**Y. Chen**, L.D. Asico, S. Zheng, V.A. Villar, D.F. He, L. Zhou, C.Y. Zeng, P.A. Jose

Daping Hospital, The Third Military Medical University, Chongqing, P.R. China

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

THE PHOSPHODIESTERASE-5 INHIBITOR VARDENAFIL REDUCES OXIDATIVE STRESS WHILE REVERSING PULMONARY ARTERIAL HYPERTENSION

Y.F. Fan, R. Zhang, X. Jiang, L. Wen, D.C. Wu, D. Liu, P. Yuan, Y.L. Wang, **Z.C. Jing**

Shandong Provincial Hospital Affiliated to Shandong University, Jinan, Shandong, China



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**S24 Session**

**SYSTEMIC AND PULMONARY HYPERTENSION, BASIC AND CLINICAL (cont.)**

SLEEP-TIME, NOT AWAKE BLOOD PRESSURE, DETERMINES THE TRUE PROGNOSTIC VALUE OF MASKED HYPERTENSION

**D.E. Ayala**, J.J. Crespo, M. Dominguez, A. Moya, A. Otero, M.T. Rios, C. Castineira, S.M. Gomara, J.R. Fernandez, R.C. Hermida  
University of Vigo, Vigo, Spain

24 HRS CHRONOMICS OF AMBULATORY BP/HR AND ITS RELATION WITH SALIVARY CORTISOL IN ROTATING NIGHT SHIFT WORKERS

**B. Anjum**, N.S. Verma, S. Tiwari, R. Singh, A.A. Mahdi  
King George's Medical University, Lucknow, UP, India

DECODING WHITE COAT HYPERTENSION

**D.A. Bloomfield**  
Richmond University Medical Center, Staten Island, NY, USA

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

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

LEFT VENTRICULAR SYSTOLIC AND DIASTOLIC FUNCTION DURING PERMISSIVE HYPERTENSION IN ACUTE ISCHEMIC STROKE

**J.G. Lerios**, M.J. Sta. Maria, A.B. Medrano, R.E. Ramboyong, I. Bundalian  
The Medical City, Pasig City, Philippines





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**P201 NOVEL DIAGNOSTIC METHODS AND IMAGING TECHNIQUES**

SYNERGISTIC EFFECTS OF ARTERIAL REMODELING AND ENDOTHELIAL SHEAR STRESS IN THE NATURAL HISTORY OF CORONARY DISEASE

**A.P. Antoniadis**, M.I. Papafaklis, S. Takahashi, K. Shishido, Y. Makita, J. Honye, S. Nakamura, S. Saito, C.L. Feldman, P.H. Stone  
Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA

RELATIONS BETWEEN THE CAROTID AND CENTRAL AORTIC ELASTIC PROPERTIES IN PATIENTS WITH ISCHEMIC STROKE

**S-A. Kim**, M.J. Kum, S.H. Jo, K.H. Park, H.S. Kim, S.J. Han, W.J. Park  
Hallym University College of Medicine, Anyang, South Korea

A RETROSPECTIVE CHART REVIEW TO DETERMINE PROPER STRESS TEST UTILIZATION IN LOW RISK CHEST PAIN PATIENTS

**Y. Nawaz**, B. Ayub  
Lehigh Valley Health Network, Allentown, PA, USA

INFLUENCE OF PROCEDURE TIME ON HEMOGLOBIN DROP AS A COMPONENT OF MAJOR BLEEDING DEFINITION IN PRIMARY PERCUTANEOUS CORONARY INTERVENTION IN US ACADEMIC CENTER

S. Shawar, **M. Alghrouz**, O. Alasad, A. Tayyem, M. Bheemarasetti, A.R. Alemam, S. Gilani, W. Khalife  
University of Texas Medical Branch, Galveston, Texas, USA

US ACADEMIC CENTER EXPERIENCE IN DOING PRIMARY PERCUTANEOUS CORONARY INTERVENTION USING VARIOUS BLEEDING AVOIDANCE STRATEGIES

**M. Alghrouz**, S. Shawar, O. Alasad, A. Tayyem, M. Bheemarasetti, A.R. Alemam, S. Gilani, W. Khalife  
University of Texas Medical Branch, Galveston, Texas, USA

STUDY THE HEMODYNAMIC COMPONENTS OF ICU (INTENSIVE CARE UNIT) PATIENTS WITH USCOM

M. Hashemian, **N. Asadinia**, M. Nourizadeh, A. Jamaati, M. Ghahremani, Z. Ahmadi, A.R. Asareh  
Maseeh Daneshvari Hospital, Shaheedbeheshti University, Tehran, Iran

IMPAIRED MICROCIRCULATORY FLOW MOTION IN CAD PATIENTS

**P.C. Sun**, S.H. Wei, C.D. Kuo  
Taipei City Hospital, Taipei, Taiwan

APPROXIMATION OF ARTERIAL BLOOD GAS USING FINGERTIP CAPILLARY SAMPLES AND FUZZY SYSTEM

**H. Kam**, A. Shams Akhtari, M. Noorizadeh  
Shahid Beheshti University of Medical Science, Tehran, Iran



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**P202 CAD: SECONDARY PREVENTION, CARDIAC REHAB, PROGNOSIS**

DRUG USE AFTER ACUTE MYOCARDIAL INFARCTION AND COUNTRY OF BIRTH

**D.A.M. Dzayee**, T. Moradi, O. Beiki, L. Alfredsson, R. Ljung

Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden

LIPID LEVELS IN PATIENTS AFTER PERCUTANEOUS CORONARY INTERVENTION  
IN THE REAL LIFE

**A. Martinez-Rubio**, E. Bosch-Peligerro, 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

University Hospital of Sabadell (Univ Autonoma de Barcelona), Sabadell, Spain

TYPE D PERSONALITY PREDICTS RISK FACTORS AND CLINICAL OUTCOMES IN  
POST ACUTE CORONARY SYNDROME PATIENTS

**A.L. Arrebola-Moreno**, D. Petrova, R. Garcia-Retamero, A. Melgares-Moreno,  
J.A. Ramirez-Hernandez, A. Catena

Virgen de las Nieves University Hospital, Granada, Spain

PSYCHOLOGICAL DISTRESS AND RECURRENT CARDIAC EVENTS AFTER  
PERCUTANEOUS CORONARY INTERVENTION

**J.H. Park**, S.H. Bae

Ajou University, Suwion, Gyeonggi, South Korea

EARLIER MYOCARDIAL INFARCTION AS AN EXPLANATION OF THE SMOKER  
PARADOX: A QUANTITATIVE APPROACH

**A.L. Arrebola-Moreno**, D. Petrova, J.P. Arrebola, J.A. Ramirez-Hernandez, A. Catena,  
R. Garcia-Retamero

Virgen de las Nieves University Hospital, Granada, Spain

TRANSITIONAL NURSING CARE PROGRAM FOR PATIENTS UNDERGOING  
PERCUTANEOUS CORONARY INTERVENTION

**S.H. Bae**, J.H. Park

College of Medicine, Dong-A University, Busan, Republic of Korea

THE 6 MINUTE WALK TEST AS A TOOL IN DETERMINING FUNCTIONAL CAPCAITY  
IN CARDIAC REHABILITATION PATIENTS

**J.L. Patawaran**, R.O. Del Rosario

The Medical City, Ortigas Avenue, Pasig City, Philippines



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**P203 EXERCISE AND THE CARDIOVASCULAR SYSTEM**

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

**J. Yee**, J. Onwuchekwa, Z. Chen, R. Leaverton, S. Smalling, M. Lerman, F. Fuentes  
Icahn School of Medicine at Mount Sinai, Queens Hospital Center, Jamaica, NY, USA

EXERCISE IMPROVES CARDIAC FUNCTION IN DIABETIC RATS

T.H. Ko, D.Y. Seo, S.R. Lee, N. Kim, **J. Han**  
Cardiovascular and Metabolic Disease Center, Inje University, Busan, Korea

THE EFFECTS OF PSYCHOLOGICAL STRESS IN BLOOD PRESSURE DURING EXERCISE TESTING

**V.C. Romero**, E.R. Silva, J.J. Villasmil, G.A. Bermudez, F. Madueno  
Institutes of Cardiovascular Disease of Luz Maracaibo, Zulia, Venezuela

**P204 DIAGNOSTIC ELECTROPHYSIOLOGY AND ABLATION**

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

**A.Y. Shaikh**, A. Maan, N. Esa, M. Kinno, K.C. Floyd, L.S. Rosenthal, C. Browning, D.D. McManus

University of Massachusetts Medical School, Worcester, MA, USA

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

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

**P. Harikrishnan**, D. Kolte, C. Palaniswamy, S. Khera, M. Mujib, W.S. Aronow, S. Iwai, P. Eugenio, S. Lessner, A. Ferrick, A. Ahmed, G.C. Fonarow, W.H. Frishman, J.A. Panza

New York Medical College, Valhalla, NY, USA

1286 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



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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

LATE-POTENTIALS GUIDED RADIOFREQUENCY ABLATION OF VENTRICULAR TACHYCARDIA IN PATIENTS WITH ARRHYTHMIC STORM

**P. Donateo**, R. Maggi, M. Brignole  
Hospital of Lavagna, Lavagna, Italy

RADIOFREQUENCY ABLATION OF ATRIAL FIBRILLATION IN PATIENTS WITH STRUCTURAL HEART DISEASE: MID-TERM RESULTS

**E. Demirsoy**, M.U. Ergenoglu, K. Sarkislali, A. Aydin, T. Gurol, O. Soylu, T. Aksoy, B. Dagdeviren  
Bahcesehir University, Goztepe Medical Park Hospital, Istanbul, Turkey

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

**H. Keshmiri**, J. Ziffra, K. Wells, M. Wichter  
University of Illinois at Chicago/ Advocate Christ Medical Center, Chicago, IL, USA

**P205 PACEMAKERS AND IMPLANTABLE CARDIAC ARRHYTHMIC DEVICES**

PERMANENT PACEMAKER UTILIZATION IN ELDERLY PATIENTS WITH SYNCOPE AND CAROTID SINUS SYNDROME

**T. Gupta**, D. Kolte, S. Khera, M. Mujib, W.S. Aronow, C. Palaniswamy, D. Jain, S. Iwai, P. Eugenio, S. Lessner, J.A. Panza  
New York Medical College, Valhalla, NY, USA

ORAL ANTICOAGULATION AND DEVELOPMENT OF POCKET HEMATOMAS FOLLOWING CARDIAC DEVICE IMPLANTATION

**P.A. Howard**, B.L. Melton, A. Goerdt, J. Casey  
University of Kansas, Kansas City, KS, USA

CEPHALIC VEIN CUTDOWN FOR LEFT VENTRICULAR LEAD PLACEMENT IN BIVENTRICULAR DEVICE UPGRADES

**H Paydak**, S Pant, K Siddique, D Singh  
University of Arkansas for Medical Sciences, Little Rock, AR, USA

SUBCUTANEOUS IMPLANTABLE CARDIOVERTER DEFIBRILLATOR IMPLANTATION IN PATIENTS WITH CHRONIC KIDNEY DISEASE

**A. Gupta**, F. Subzposh, H. Saltzman, S.P. Kutalek  
Drexel University College of Medicine, Philadelphia, PA, USA



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PERICARDITIS INDUCED HYPONATREMIA FOLLOWING PERMANENT PACEMAKER IMPLANTATION

**E. Rakhshan**, K. Khalighi

Easton Hospital, Drexel University College of Medicine, Easton, PA, USA

AN IMPLANTABLE CARDIAC DEVICE LEAD AND ANTIPHOSPHOLIPID SYNDROME CAUSING A RARE COMPLICATION - SUPERIOR VENA CAVA SYNDROME

**A. Kodali**, K. Khalighi, O. Sharma

Easton Hospital, Easton, PA, USA

**P206 PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY / CONGENITAL HEART DISEASE**

OXIDATIVE AND HYPOXIC STRESS IN SUSTAINED INFLATION RESUSCITATION IN A SWINE MODEL OF NEONATAL HYPOXIA

S. Cowan, **G.M. Schmolzer**, T.F. Lee, M. O'Reilly, J. Labossiere, D. Bigam, P.Y. Cheung

University of Alberta, Edmonton, Alberta, Canada

CONGENITAL HEART DISEASE IN THE NEWBORNS OF IRANIAN DIABETIC MOTHERS

**Z. Khalili**, M. Behjati Ardekani, A. Jariani

Mardom Hospital, Tehran, Iran

CHANGES IN INTERVENTRICULAR SEPTAL CURVATURE IN HEALTHY FULL-TERM NEONATES DURING THE FIRST 14 DAYS OF LIFE

Y. Zhan, **W.D. Ren**, Y.J. Xiao, W. Qiao, G. Song

Shengjing Hospital of China Medical University, Shenyang, Liaoning, China

OPTICAL COHERENCE TOMOGRAPHY IMAGING OF THE PATENT DUCTUS ARTERIOSUS: FIRST KNOWN USES IN CONGENITAL HEART DISEASE

**J.A. Hill**, M. Costa, H. Bezerra, C. Snyder, T.G. Mahadevaiah, M.W. Jenkins

Rainbow Babies & Children's Hospital, University Hospitals Case Medical Center Cleveland, OH, USA

HEART: HELPING EMERGING ADULTS WITH CONGENITAL HEART DISEASE RECONCILE TRANSITION

**A. Stefanescu**, O. Hsin, H. Kamin, E. Oglesbee, B. Masek, R. Liberthson, A. Bhatt

Massachusetts General Hospital, Boston, MA, USA



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THE PREVALENCE OF PERSISTENT LEFT SUPERIOR VENA CAVA IN CHILDREN WITH CONGENITAL HEART DISEASE DETECTED BY ECHOCARDIOGRAPHY

R. Retkoceri, **H. Bejiqi**, A. Retkoceri, N. Zeka  
University Clinical Center of Kosova, Prishtina, Albania

TRANSCATHETER CLOSURE OF PATENT DUCTUS ARTERIOSUS IN CHILDREN WEIGHING LESS THAN 6 KG

**N. Llanos**, E. Vallejo, A. Valencia  
Universidad Libre, Cali, Colombia

VECTORCARDIOGRAPHIC VERSUS 12-LEAD CHANGES IN KAWASAKI DISEASE

**D.L. Cortez**, A.C. McCanta, P.N. Jones  
Children's Hospital of Colorado, Aurora, CO, USA

**P207 MISCELLANEOUS**

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

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

CARDIAC ABNORMALITIES IN PRE-HEMATOPOIETIC STEM CELL TRANSPLANTATION EVALUATION OF MULTIPLE MYELOMA

**N. Arat**, S. Usalp, T. Ozcelik, S. Kahraman, S. Guvenc, M. Arat, C. Ciftci  
Istanbul Science University, Istanbul, Turkey

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

ROLES OF DIGOXIN AND DIGITOXIN IN HEPATOCELLULAR CARCINOMA

**W.J. Huang**, Y.M. Jeng, I.U. Fong, H.P. Hsu  
Hsin-Sheng College of Medical Care and Management, Taoyuan, Taiwan

TRANSLATIONAL PKPD APPROACHES WITHIN CARDIOVASCULAR DISEASES: CAN WE IMPACT DISCOVERY EFFORTS WITH EXISTING KNOWLEDGE?

**E.M. Joshi**, C. Gibson, K. Azer, A.G. Kondic  
Merck Research Laboratories, Kenilworth, NJ, USA





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

TEMPORAL VARIATION IN ACUTE AORTIC DISEASES: ONLY A RANDOM PHENOMENON? (Invited Lecture)

**R. Manfredini**, University of Ferrara, Italy

SUCCESSFUL EVAR PROGRAM FOR AAA IN A RURAL HOSPITAL (Invited Lecture)

**S.M. Butman**, J. Schor

Verde Valley Medical Center, Cottonwood, AZ, USA

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

GUILT BY ASSOCIATION: A PARADIGM FOR DETECTING A SILENT KILLER (THORACIC AORTIC ANEURYSM) (Invited Lecture)

**J.A. Eleftheriades**, Yale University School of Medicine, New Haven, CT, USA

CONTRADICTORY EFFECTS OF HYPERLIPIDEMIA AND DIABETES MELLITUS ON PROGRESSION OF ABDOMINAL AORTIC ANEURYSM: PATHOBIOLOGICAL MECHANISMS (Invited Lecture)

**S.D. Gertz**, Y. Mintz, R. Beerli, C. Rubinstein, D. Gilon, L.Y. Gavish, Y. Berlatzky, L. Appelbaum, L. Gavish

The Hebrew University of Jerusalem, Jerusalem, Israel

MOLECULAR DRIVERS OF VASCULAR REMODELING (Invited Lecture)

**Z. Galis**, Division of Cardiovascular Sciences, NIH, Bethesda, MD, USA

POLYVASCULAR DISEASE: VASCULAR FUNCTION, IMAGING AND TREATMENT (Invited Lecture)

**T. Tomaru**, T. Matsubara, E. Mastubara, Toho University Sakura Hospital, Japan

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

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

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

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

11:00 COFFEE BREAK, VISIT POSTERS AND EXHIBITION



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08:30 – 11:00

Hall B

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**PL10 Plenary Session**

**CELLULAR AND MOLECULAR MECHANISMS OF CARDIOPROTECTION, CARDIAC REGENERATION AND REMODELING**

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

INFLAMMATION INDUCED APOPTOSIS IN THE INJURED MYOCARDIUM (Invited Lecture)

**D.K. Singla**, University of Central Florida, Orlando, FL, USA

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

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

DIABETES AND FAILED REGENERATIVE STRATEGIES (Invited Lecture)

**F.W. Sellke**, Alpert Medical School of Brown University, Providence, RI, USA

THE EFFECT OF BENDAVIA ON ISCHEMIA/REPERFUSION INJURY, LEFT VENTRICULAR REMODELING AND DYSFUNCTION (Invited Lecture)

**R.A. Kloner**, W. Dai, S.L. Hale, J. Shi, D. Brown  
Good Samaritan Hospital/USC, Los Angeles, CA, USA

TICAGRELOR LIMITS MYOCARDIAL INFARCT SIZE- AN ADENOSINE AND COX2 DEPENDENT EFFECT (Invited Lecture)

M.K. Nanhwan, S. Lin, M. Kodakandla, S. Nylander, Y. Ye, **Y. Birnbaum**  
Baylor College of Medicine, Texas, USA

ROLE OF microRNA IN CARDIOPROTECTION (Invited Lecture)

**R.C. Kukreja**, Virginia Commonwealth University, Richmond VA, USA

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

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



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Hall C

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**S25 Session**

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

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

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, Ohio, USA

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

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

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

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

A MULTIMODAL APPROACH TO IMAGE INFLAMMATORY LIPID-RICH ATHEROMATA USING AN INTEGRATED HIGH-SPEED INTRAVASCULAR OCT/NIRF CATHETER WITH A FDA-APPROVED INDOCYANINE GREEN

**S.K. Lee**, M.W. Lee, H.S. Cho, J.W. Song, H.S. Nam, D.J. Oh, K.S. Park, W.Y. Oh, H.K. Yoo, J.W. Kim

Cardiovascular Center, Korea University Guro Hospital, Seoul, South Korea



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Hall C

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**S25 Session**

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

TISSUE DOPPLER IMAGING AND LATE-ONSET ANTHRACYCLINE-INDUCED SUBCLINICAL CARDIOVASCULAR DISEASE IN LONG TERM SURVIVORS OF CHILDHOOD CANCER

**P. Rajapreyar**, A. Lorenzana, A. Prabhu, S. Szpunar, P. Anne  
Children's Hospital of Wisconsin, Wauwatosa, WI, USA

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

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

**T.L. Braber**, A. Mosterd, N.H.J. Prakken, P.A.F.M. Doevendans, W.P.T.M. Mali, F.J.G. Backx, R. Rienks, H.M. Nathoe, D.E. Grobbee, B.K. Velthuis  
University Medical Center Utrecht, Utrecht, Netherlands

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

LEFT ATRIAL FUNCTION OF NORMAL PREGNANCY ASSESSED BY TWO-DIMENSIONAL SPECKLE TRACKING ECHOCARDIOGRAPHY

**G. Song**, J. Liu, W.D. Ren, W. Qiao, J. Zhang, Y. Zhan, W.J. Bi  
Shengjing Hospital of China Medical University, Shenyang, Liaoning, China

QT INTERVAL DISPERSION AFTER PERCUTANEOUS TRANSLUMINAL CORONARY ANGIOPLASTY: MARKER FOR PREDICTION OF RESTENOSIS

**M. Ziaei Torbati**, A. Ziaei Torbati  
Ankara University School of Medicine, Ankara, Turkey

11:00 COFFEE BREAK, VISIT POSTERS AND EXHIBITION



SUNDAY, JULY 27, 2014

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Hall D

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**S26 Session**

**ACUTE CORONARY SYNDROMES: DETECTION, PREVENTION AND TREATMENT**

CLOPIDOGREL DOUBLE LOADING VERSUS STANDARD DOSING IN ST-ELEVATION MYOCARDIAL INFARCTION: A META-ANALYSIS

**R.N. Cardoso**, P. Grover, D. Garcia, F.Y. Macedo, A. Benjo, E. Vilches, A. Ghatak, C. Alfonso

University of Miami, Miami, FL, USA

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

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, New York, USA

THE RELATIVE CONTRIBUTION OF DIRECT DIFFERENTIATION VERSUS PARACINE EFFECT ON ADIPOSE-DERIVED STEM CELL THERAPY FOR MYOCARDIAL INFARCTION

**W.E. Wang**, D. Yang, W. Wang, Y. Peng, .L Li, C. Chen, X. Xia, H. Wang, C. Zeng

Daping Hospital, Third Military Medical University, Chongqing, China

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

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

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





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Hall D

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**S26 Session**

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

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

DESCRIPTION OF IN-HOSPITAL MANAGEMENT OF ACUTE CORONARY SYNDROME IN VENEZUELA AND LATIN AMERICA (EPICOR STUDY)

**K. Arai**, N. Antepará, C. Delgado, M.L. Fariña, R. Uzcátegui, S. Beluche  
Ascardio, Barquisimeto, Venezuela

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

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

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

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



SUNDAY, JULY 27, 2014

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11:15 – 13:45

Hall A

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**PL11 Plenary Session**  
**VALVULAR/CONGENITAL HEART DISEASE, CARDIAC SURGERY**

DEMOGRAPHIC CHANGES IN CONGENITAL HEART DISEASE IN THE XXI CENTURY: IMPACT IN MANAGEMENT AND OUTCOMES (Invited Lecture)

**A.J. Marelli**

Mc Gill University Health Centre, Montreal, QC, Canada

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

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, United Arab Emirates

AORTIC REGURGITATION: IMPACT OF PREOPERATIVE SYMPTOMS FOR POST-VALVE REPLACEMENT SURVIVAL ON PROGNOSTICATION FROM MYOCARDIAL CONTRACTILITY (Invited Lecture)

**J.S. Borer**, P.G. Supino, E.M. Herrold, C. Hochreiter, O.W. Isom, K.H. Krieger, L.N. Girardi, N. Khan, D. Santarsieri

State University of New York Downstate Medical Center, New York, NY, USA

LOW GRADIENT SEVERE AORTIC STENOSIS: DIAGNOSIS AND MANAGEMENT (Invited Lecture)

**H.P. Chaliki**, Mayo Clinic, Arizona, USA

ATORVASTATIN ATTENUATES ATHEROSCLEROSIS IN THE VALVES AND FEMURS FROM HYPERCHOLESTEROLEMIC LDLR<sup>-/-</sup> MICE AS=OP (Invited Lecture)

**N. Rajamannan**, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

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

TRANSCATHETER PULMONARY VALVE IMPLANTATION: WHERE ARE WE? (Invited Lecture)

**G. Butera**, Istituto Policlinico San Donato, San Donato Milanese, Italy

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



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BOSTON, MA, USA, July 25-28, 2014

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Hall A

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**PL11 Plenary Session**  
**VALVULAR/CONGENITAL HEART DISEASE, CARDIAC SURGERY (cont.)**

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

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



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Hall B

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**PL12 Plenary Session**  
**ATRIAL ARRHYTHMIAS: TREATMENT AND SEQUELAE**

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

LEFT ATRIAL SIZE AND FUNCTION: ROLE IN PROGNOSIS (Invited Lecture)

**B.D. Hoit**, Case Western Reserve University, Cleveland, OH, USA

SILENT CEREBRAL LESIONS 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

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

THROMBOEMBOLISM OR ATHERO-THROMBOEMBOLISM IN ATRIAL FIBRILLATION? (Invited Lecture)

**F. Violi**, I Clinica Medica, University Sapienza, Roma, Italy

THE MOST COST EFFICIENT WAY TO RADIOVERT A NEWBORN IN ATRIAL FLUTTER

**C. Snyder**, Rainbow Babies and Children's Hospital, Cleveland, OH, USA

MANAGEMENT OF ATRIAL FLUTTER (Invited Lecture)

**H. Paydak**, University of Arkansas for Medical Sciences, Little Rock, AR, USA

HYBRID ABLATION OF ATRIAL FIBRILLATION: HYPE OR HERE TO STAY? (Invited Lecture)

**L. Pison**, Maastricht University Medical Center, Maastricht, The Netherlands

ATRIAL FIBRILLATION AND ITS ROLE IN COGNITIVE DECLINE (Invited Lecture)

**K. Alagiakrishnan**, University of Alberta, Edmonton, Alberta, Canada

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

13:15 LUNCH BREAK, VISIT POSTERS AND EXHIBITION



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Hall D

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**S26 Session**

**ACUTE CORONARY SYNDROMES: DETECTION, PREVENTION AND TREATMENT**

RESIDUAL RISK FROM ELEVATED LIPOPROTEIN A BUT NOT APOLIPOPROTEIN B OR NON-HDL CHOLESTEROL AT HEART CENTERS FOR WOMEN

**B.T. Costello**, K. Lara, G. Lundberg, R. Doukky, L. Braun, A. Volgman  
Rush University Medical Center, Chicago, IL; USA

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

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

OPTIMIZING CARDIOVASCULAR MORTALITY PREDICTION IN RENAL DISEASE WITH ARTIFICIAL INTELLIGENCE

**O. Sandu**, I. Nastac, J. Uribarri  
Albert Einstein College of Medicine, Bronx, NY, USA

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

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

OMENTIN SIGNIFICANTLY PREDICTS CARDIOVASCULAR EVENTS INDEPENDENTLY FROM BASELINE CORONARY ARTERY DISEASE

**C.H. Saely**, A. Leisherer, A. Muendlein, A. Vonbank, P. Rein, K. Geiger, H. Drexel  
Academic Teaching Hospital Feldkirch, Feldkirch, Austria



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**S26 Session**  
**ACUTE CORONARY SYNDROMES: DETECTION, PREVENTION AND TREATMENT (cont.)**

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

JOB STRESS AND 16-TH YEAR'S RISK OF ACUTE CARDIOVASCULAR DISEASES IN FEMALE POPULATION AGED 25-64 YEARS IN RUSSIA

**V.V. Gafarov**, D.O. Panov, E.A. Gromova, I.V. Gagulin, A.V. Gafarova  
FSBI Collaborative Laboratory of Cardiovascular Diseases Epidemiology SB RAMS, Russia

EFFECTS OF HDL-C AND CO-MORBIDITIES ON LONG-TERM OUTCOMES IN OPTIMALLY TREATED REVASCULARIZED CAD PATIENTS

**S.K. Padala**, M.T. Torosoff, M.S. Sidhu, E. Granina, A.E. Seedhom, W.E. Boden  
Albany Medical Center, Albany, NY, USA

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

HIGHER HEART RATE IS INDEPENDENTLY ASSOCIATED WITH OBESITY

**M.R. Movahed**, C. Manrique, M. Hashemzadeh  
CareMore Health Care Arizona, AZ, USA

13:45 LUNCH BREAK, VISIT POSTERS AND EXHIBITION





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11:15 – 13:45

Hall D

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**S28 Session**  
**MECHANISMS OF VASCULAR DISEASES**

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 DIFFERENTLY 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

MICRORNA-146A INDUCES ENDOTHELIAL PROGENITOR CELL APOPTOSIS AND SENESCENCE BY TARGETING PLK2 EXPRESSION

**S. Zhu**, S. Deng, C. Jia, D. Zhuo, Q. Ma, S. Ji, H. Wang, P.J. Goldschmidt-Clermont, S. Ma, C. Dong  
University of Miami, Miami, FL, USA

THE ROLE OF CIRCULATING EXOSOMAL MICRORNAS FOR CORONARY NEOVASCULARIZATION IN PATIENTS WITH CORONARY ARTERY DISEASE

**J-J. Chen**, Y-C. Wang, K-C. Chang, J-T. Hwang, J-L. Lin  
China Medical University, Taichung, Taiwan

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

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

LINC RNA-P21 REGULATES NEOINTIMA FORMATION AND ATHEROSCLEROSIS BY ENHANCING P53 ACTIVITY

**G.Z. Wu**, Y. Han, C.Y. Chen, Z.P. Huang, J.H. Chen, X.Y. Hu, D.Z. Wang, C.Y. Zeng  
Daping Hospital, Third Military Medical University, Chongqing, China,

PROBUCOL INHIBIT VASCULAR SMOOTH MUSCLE CELL PROLIFERATION VIA UP-REGULATION OF KLF4 AFTER BALLOON INJURE OF RAT CAROTID ARTERIES

**H. Dong**, L. Huang, M. Deng, H. Yin  
XinQiao Hospital, Third Military Medical University, ChongQing, China



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**S28 Session**  
**MECHANISMS OF VASCULAR DISEASES (cont.)**

REGULATION OF RENALASE EXPRESSION BY D5 DOPAMINE RECEPTORS IN RAT  
RENAL PROXIMAL TUBULE CELLS

S.X. Wang, J. Yang, H.Y. Wang, C.Y. Chen, Y. Han, W. Wang, **C.Y. Zeng**  
Daping Hospital, The Third Military Medical University, and Chongqing Institute of  
Cardiology, Chongqing, P.R. China  
WITHDRAWN

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

HISTOMORPHOMETRIC CHANGES IN THE AORTA OF MICE WITH CHRONIC  
CHAGAS DISEASE UNDERGOING MILD EXERCISE

**L. Brianezi**, N.E.A. Lima, F.L.A. Fonseca, L.B.M. Maifrino  
Adventist College Hortolandia, Hortolândia, SP, Brazil

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

**W.Y. Liang**, X.Y. Zhu, X.R. Feng, Y.C. Wang, M.L. Liu  
Peking University First Hospital, Beijing, China

13:45 LUNCH BREAK, VISIT POSTERS AND EXHIBITION



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**P301 VASCULAR BIOLOGY, BASIC RESEARCH**

CRIF1 DEFICIENCY INDUCES P66SHC-MEDIATED OXIDATIVE STRESS AND  
ENDOTHELIAL ACTIVATION

N. Nagar, S.B. Jung, S.K. Kwon, J.B. Park, M. Shong, **H.J. Song**, B.H. Jeon, K. Irani,  
C.S. Kim  
Chungnam National University, Daejeon, South Korea

CONTRIBUTION TO THE STUDY OF THE EFFECTS OF DESATURASE ACTIVITIES  
AND PLASMA FATTY ACIDS ON THE DEVELOPMENT OF CORONARY ARTERY  
DISEASE (CAD) IN A TUNISIAN POPULATION

**S. Haj Ahmed**, A. Zarrouk, M. Kerkeni, A. Mnari, A. Frih, F. Betbout, H. Gamra,  
M Hammami  
Faculty of Medicine, University of Monastir, Tunisia

**P302 PHARMACOLOGICAL MODULATION OF VASCULAR-ENDOTHELIAL FUNCTION**

EFFECTS OF CHRONIC CARDIOVASCULAR PHARMACOLOGY ON LONG-TERM  
SURVIVAL IN STROKE PATIENTS

**L. Du**, J. Arora, A. Murthy, M. Torosoff  
Albany Medical College, Albany, NY, USA

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**

1187 DIFFERENTIAL ROLE OF OSTEOPONTIN AND TENASCIN-C IN ADVANCED  
CORONARY ATHEROSCLEROSIS: CORONARY ROTATIONAL ATHERECTOMY  
STUDY

**H. Akao**, M. Kitayama, Y. Kawai, T. Tsuchiya, R. Ishida, A. Motoyama, M. Wakasa,  
R. Saito, M. Watanabe, K. Kajinami  
Kanazawa Medical University, Uchinada, Japan

1396 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



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**P303 INTERVENTIONAL CARDIOLOGY (cont.)**

PROGNOSIS OF BINARY RESTENOSIS DETECTED AT 3-MONTH FOLLOW-UP ANGIOGRAPHY

H. Haqmal, **U.C. Yuksel**, M. Celik, Y. Gokoglan, B. Bugan, E. Yalcinkaya, K. Kabul, C. Barcin, M. Yokusoglu  
Gulhane Military Medical Academy, Etlik, Ankara, Turkey

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

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, Texas, USA

INCIDENCE AND PREDICTORS OF STENT THROMBOSIS AFTER PERCUTANEOUS CORONARY INTERVENTION IN ACUTE MYOCARDIAL INFARCTION

S. Lim, **H.Y. Kim**, Y.S. Koh, K. Chang, M.H. Jeong, K.B. Seung  
Catholic Medical Center, Seoul, South Korea

RADIAL ACCESS FOR CORONARY ANGIOGRAPHY IN PATIENTS WITH STIMULANT SUBSTANCE ABUSE

**I.A. Al-Howaidi**, A. Aboeata, V. Gyulnazaryan, S. Sontineni, T. Burns, M. Del Core  
Creighton University School of Medicine, Omaha, NE, USA

DOES THE SEVERITY OF CORONARY ARTERY DISEASE PREDICT THE USE OF CONTRAST VOLUME DURING CARDIAC CATHETERIZATION?

**H.A. Bhatt**, D.R. Sanghani, M.B. Perini, G.A. Fernaine, A.V. Saxena  
Lutheran Medical Center, Brooklyn, NY, USA

SAFETY AND EFFICACY OF POLYMER FREE VS. BASED DRUG-ELUTING STENTS. A META-ANALYSIS OF RANDOMIZED TRIALS

Y. Luo, S. Liu, **X. Zhao**, L. Huang  
Third Military Medical University, Chongqing, P.R. China



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**P303 INTERVENTIONAL CARDIOLOGY (cont.)**

ASSESSMENT OF LEFT VENTRICULAR FUNCTION PRE AND POST PERCUTANEOUS CORONARY INTERVENTION TO CHRONIC TOTAL CORONARY OCCLUSION; DOPPLER TISSUE IMAGING STUDY

**W.H. El Shafey**, H.M Badran, S.S. Montaser, M.K. Gabr, K.A. Shokry, A.R. Galassi  
Menoufyia University, Shebein El Koom, Egypt

CALCIFIED LESION DOES NOT INFLUENCE OUTCOME AFTER PERCUTANEOUS ANGIOPLASTY WITH STENTING

**T. Matsubara**, J. Suzuki, T. Kon, T. Kurosu, E. Matsubara<sup>3</sup>, T. Tomaru<sup>2</sup>  
NTT East Japan Kanto Hospital, Tokyo, Japan

IMPROVING OUTCOMES IN CARDIOGENIC SHOCK AND VENTRICULAR SEPTAL RUPTURE

**Y.P. Sharma**, A. Bahl, H. Singh, A. Mishra, S. Kuthe, K.N. Krishna, R. Vadivelu, J. Amarapalli, S. Chakraborty  
Department of Cardiology Pgimer, Chandigarh, India

THE COMPLEX CORONARY ANGIOPLASTY TRANSRADIAL

**J.M. Telayna**, C.S. Garcia, R.A. Costantini  
Austral University Hospital, Buenos Aires, Argentina

TISULAR IMPACT IN THE CORONARY COMPLETE REVASCULARIZATION IN PATIENTS WITH ACUTE MYOCARDIAL INFARCT AND CARDIAC FAILURE

**J.M. Telayna**, C.S. Garcia, R.A. Costantini  
Austral University Hospital, Buenos Aires, Argentina

IN-STENT ANCHORING FACILITATES BALLOON DELIVERY FOR FINAL KISSING

**X.H. Zhao**, Y.M. Song, J. Jin, L. Huang  
Xinqiao Hospital, Third Military Medical University, Chongqing, China

**P304 HYPERTENSION: BASIC, CLINICAL AND EPIDEMIOLOGICAL**

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

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



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**P304 HYPERTENSION: BASIC, CLINICAL AND EPIDEMIOLOGICAL (cont.)**

ANTIHYPERTENSIVE AGENTS AND RISK OF PARKINSON'S DISEASE

**J.W. Lin**, C.H. Lin, C.H. Chang, Y.C. Lee, R.M. Wu, M.S. Lai  
National Taiwan University Hospital Yun-Lin Branch, Dou-Liou City, Yun-Lin County,  
Taiwan

BLUNTED SLEEP-TIME BLOOD PRESSURE (BP) DECLINE INCREASES  
CARDIOVASCULAR RISK INDEPENDENT OF BP LEVEL

**D.E. Ayala**, J.J. Crespo, A. Moya, A. Otero, M. Dominguez, L. Pousa, P.A. Callejas<sup>2</sup>,  
E. Sineiro, A. Mojon, R.C. Hermida  
University of Vigo, Vigo, Spain

THE EFFICACY AND SAFETY OF FEBUXOSTAT FOR TREATING ALLOPURINOL-  
RESISTANT HYPERURICEMIA IN PATIENTS WITH HYPERTENSION, CORONARY  
HEART DISEASE AND CHRONIC KIDNEY DISEASE

**T. Naka**, K. Takahashi, T. Ariti, T. Masuyama, M. Ohyanagi  
Department of Internal Medicine, Hyogo College of Medicine, Nishinomiya, Japan

DIFFERENT EFFECT OF HYPERTENSION GUIDELINE-GUIDED INTERVENTION IN  
BLOOD PRESSURE GOAL-ACHIEVING RATE ON NEWLY DIAGNOSED OR POORLY  
CONTROLLED HYPERTENSION SUBJECTS: A 6 MONTHS' EXPERIENCE IN TAIWAN

**C-W Huang**, C-L Chang, Y-S Wang, P-Y Liu, S-S Lin, J-H Chen  
Internal Medicine, National Cheng Kung University Hospital, Tainan, Taiwan

THE PREDICTIVE CARDIOVASCULAR RISK FACTORS IN METABOLIC SYNDROME  
PATIENTS WITH MASKED HYPERTENSION

**J.H. Koh**, D.J. Kim, S.W. Cho, S.G. Cho  
Kwandong University, Sunnam, Gyungki, South Korea

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





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**P305 ARRHYTHMIAS: DIAGNOSIS AND TREATMENT**

EFFECT OF CPAP THERAPY ON CARDIAC REPOLARIZATION IN PATIENT  
POPULATION WITH OBSTRUCTIVE SLEEP APNEA

**T.A. Ahmad**, A. Patel, U. Majumdar, V. Narasimha  
Penn State Milton Hershey Medical Center, Hershey, PA, USA,

OPTIMAL DURATION OF HOLTER RECORDINGS: IS THERE ADDITIONAL YIELD  
FROM 48 VERSUS 24 HOURS?

**A. Trang**, B. Pavri  
Thomas Jefferson University, Philadelphia, PA, USA

IS ARVD DIAGNOSIS IN PATIENTS WITH VENTRICULAR ARRHYTHMIA TRUE OR  
HYPERDIAGNOSTIC?

**E.V. Parmon**, I.A. Zemskov, T.V. Treshkur, E.R. Berngardt, E.V. Shlyakhto  
Federal Almazov Medical Research Centre, Saint-Petersburg, Russia

MYOCARDIAL ELECTRICAL INSTABILITY MARKERS DURING EXERCISE TESTING  
IN PATIENTS WITH IDIOPATHIC ARHYTHMIA

**E.V. Parmon**, T.E. Tulitseva, T.A. Kurilenko, T.V. Treshkur, E.R. Berngardt,  
E.V. Shlyakhto  
Federal Almazov Medical Research Centre, Saint-Petersburg, Russia

ACCURACY OF TACHYARRHYTHMIA DIAGNOSIS ON SURFACE  
ELECTROCARDIOGRAMS (ECG)

**N. Methachittiphan**, F. Barbosa, M. Link  
Tufts Medical Center, Boston, MA, USA

INFLAMMATORY MARKERS IN PATIENTS WITH IMPAIRED LEFT VENTRICULAR  
FUNCTION WITH AND WITHOUT ISCHEMIC HEART DISEASE UNDERGOING  
CARDIOVERTER DEFIBRILLATOR IMPLANTATION FOR LIFE THREATENING  
VENTRICULAR ARRHYTHMIAS

**T. Papadopoulos**, G. Dadous, A. Nikitopoulos, G. Spiromitros, A. Antoniou, N. Katsiki,  
J. Kanonidis  
Hippokraton University Hospital, Thessaloniki, Greece

DEADLY GOLYTELY

**P.A. Patel**, C.E. Daniels  
Mayo Clinic, Rochester, MN, USA



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

IMPACT OF THE BETA-1 ADRENERGIC RECEPTOR POLYMORPHISM ON TOLERABILITY AND EFFICACY OF BISOPROLOL THERAPY IN HEART FAILURE PATIENTS

**H.Y. Lee**

Seoul National University Hospital, Seoul, Korea

HUMORAL FACTORS, CYTOKINES AND ENDOTHELIAL PROGENITOR CELLS IN PATIENTS WITH ISCHEMIC HEART DISEASE WITH CHRONIC HEART FAILURE

**K.A. Khmel'nitskaya**, E.V. Shlyakhto

First Pavlov State Medical University, Saint-Petersburg, Russia

PRELIMINARY RESULTS OF PLASMA B-TYPE NATRIURETIC PEPTIDE STUDY IN CHILDREN WITH SEVERE ENTEROVIRUS 71 INFECTION AND HEART FAILURE

**S.L. Jan**, S.C. Chan, Y.C. Fu, M.C. Lin, B. Hwang

Taichung Veterans General Hospital, Taichung, Taiwan

CARDIOPROTECTIVE EFFECT OF METFORMINE IN DIABETIC PATIENTS TREATED WITH ANTHRACYCLINES

**F. Garcia Trobo**, G. Pekler, F. Visco

New York Medical College, New York, NY, USA

CARDIAC REHABILITATION IN ELDERLY PATIENTS WITH CHRONIC HEART FAILURE. BELGRADE IN-PATIENT CENTER EXPERIENCE

**I.M. Burazor**, M. Lazovic, S. Susak

Institute for Rehabilitation, Belgrade, Serbia

THE EFFECT OF CARDIAC REHABILITATION ON PERFORMING OREM SELF-CARE MODEL AMONG ELDERLY PEOPLE SUFFERING FROM CONGESTIVE HEART FAILURE

**I. Jahanbin**, M. Rasti, K. Homayouni, F. Soltani, S. Keshavarzi

Shiraz University of Medical Sciences, Shiraz, Fars, Iran

IMPROVING CLINICAL OUTCOMES AND RECOVERY OF PERIPARTUM CARDIOMYOPATHY PATIENTS USING BROMOCRIPTINE: A SYSTEMATIC REVIEW

**M.A. De Guzman**, L.D. Gutierrez

University of Santo Tomas Hospital, Manila, Philippines

IMPACT OF NGAL ON ACUTE HEART FAILURE IN CVD CASES OF SOUTH INDIA

**S. Banu**, B.V. Ravi Kumar, C.N. Manjunath, P. Srinivas

Kempegowda Institute of Medical Sciences, Bangalore, India



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CARVEDILOL AS SINGLE AGENT TREATMENT FOR TRASTUZUMAB  
CARDIOTOXICITY USING GLOBAL LONGITUDINAL PEAK STRAIN CHANGES  
**A.M. Cook**, K.J. Babbitt, L.L. Eberhart, R.C. Phillion, D.E. Langholz, H.L. Sherman  
Spectrum Health Frederik Meijer Heart & Vascular Institute, Grand Rapids, MI, USA

CARDIOMYOPATHY IN MITRAL VALVE PROLAPSE AND MARFANOID HABITUS  
**A.L. Korshunova**, E.G. Malev, E.V. Zemtsovsky, L. Vasina  
Almazov Federal Heart, Blood and Endocrinology Centre, Saint-Petersburg, Russia

**P307 COMPUTERS IN CARDIOLOGY**

QUALITY AND PHYSICIAN PREFERENCE OF PORTABLE  
ELECTROCARDIOGRAPHIC DEVICE RHYTHM STRIPS  
**N. Nazir**, D. Mehta, C. Bai, J. Soble, A. Volgman  
Rush University Medical Center, Chicago, Illinois, USA

IMPACT OF INTERACTIVE DIGITAL EDUCATIONAL MODULES IN CREATING  
RHEUMATIC HEART DISEASE AWARENESS AMONG KENYAN PRIMARY  
SCHOOLCHILDREN  
**M.J. Murgor**, D.M. Mwangangi  
School of Medicine, University of Nairobi, Kenya

SOCIAL TECHNOLOGIES & NETWORKED CARE IN CARDIOLOGY  
**R.D. Furberg**, M.A. Bornkessel, R.C. Lefebvre  
RTI International, Center for the Advancement of Health IT RTP, NC, USA



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Hall A

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**PL13 Plenary Session**  
**CARDIAC STRUCTURE AND FUNCTION IN FAILING AND NON-FAILING HEARTS**

ADVERSE LEFT VENTRICULAR REMODELING, INCIDENT HEART FAILURE, AND VENTRICULAR ARRHYTHMIAS (Invited Lecture)

**W.H. Gaasch**, Lahey Clinic, Burlington, MA, USA

AGING AND HEART FAILURE: UPDATE 2014 (Invited Lecture)

**B.I. Jugdutt**, University of Alberta and Hospitals, Edmonton, Alberta, Canada

DETERMINANTS OF CARDIAC FUNCTION IN DILATED CARDIOMYOPATHY PATIENTS (Invited Lecture)

**S.F. Nagueh**, Methodist DeBakey Heart and Vascular Center, Houston, TX, USA

HFpEF (HEART FAILURE WITH PRESERVED EJECTION FRACTION) PATHOPHYSIOLOGY: IMPLICATIONS FOR THERAPEUTIC TARGETS (Invited Lecture)

**D.M. Kaye**, Baker IDI Heart and Diabetes Institute, Alfred Hospital, Melbourne, Australia

REGRESSION OF HYPERTROPHY (AND FIBROSIS?) IN HYPERTROPHIC CARDIOMYOPATHY (Invited Lecture)

Y.J. Shimada, J.J. Passeri, A.L. Baggish, C. O'Callaghan, P.A. Lowry, B.B. Ghoshhajra, C.Y. Ho, J.L. Januzzi, C.E. Seidman, **M.A. Fifer**  
Massachusetts General Hospital, Boston, MA, USA

HEART FAILURE WITH PRESERVED EJECTION FRACTION: A MISUNDERSTOOD SYNDROME IN SEARCH OF A THERAPY (Invited Lecture)

**S.D. Solomon**, Brigham and Women's Hospital, Boston, MA, USA

HEART FAILURE RELATED TO CONSTRICTIVE AND RESTRICTIVE CARDIOMYOPATHY: ASSESSMENT BY ECHOCARDIOGRAPHY (Invited Lecture)

**A.M. Amanullah**, Jefferson Medical College of Thomas Jefferson University, Philadelphia, PA, USA

MECHANISTIC INSIGHTS INTO DIASTOLIC HEART FAILURE (HEART FAILURE [HF] PRESERVED EJECTION FRACTION) – WHAT PROGRESS HAVE WE MADE? (Invited Lecture)

**F. Sam**, Boston University School of Medicine, Boston, MA, USA

DYNAMIC LVOT OBSTRUCTION -BEYOND HCM (Invited Lecture)

**A. Chockalingam**, University of Missouri, Columbia, MO, USA



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Hall A

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**PL13 Plenary Session**  
**CARDIAC STRUCTURE AND FUNCTION IN FAILING AND NON-FAILING HEARTS**  
**(cont.)**

LEFT VENTRICULAR FUNCTION IN PATIENTS WITH CHRONIC TOTAL OCCULSION OF LAD: LONG-TERM FOLLOW-UP (Invited Lecture)

**M. Prokudina**, I. Konstantinov, N. Malinina, E. Bobrova, E. Karev  
Federal Center of Heart, Blood and Endocrinology, St. Petersburg, Russia

RIGHT VENTRICULAR FAILURE AFTER IMPLANTATION OF LEFT VENTRICULAR ASSIST DEVICES (Invited Lecture)

**A. Kalogeropoulos**, Emory University School of Medicine, Atlanta, GA, USA

16:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION



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Hall B

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

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

SERPINS AS THERAPY – FROM VIRUS TO MAN (Invited Lecture)

**A. Lucas**, University of Florida, Gainesville, FL, USA

VASCULAR HEALING & BIORESORBABLE SCAFFOLDS: FROM PLATELETS, LEUKOCYTES TO ENDOTHELIAL CELLS (Invited Lecture)

**J-F. Tanguay**, Université de Montréal, Canada

NOTCH SIGNALING PROMOTE MACROPHAGE ACTIVATION AND VASCULAR DISEASES (Invited Lecture)

**M. Aikawa**, Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA

CARDIOVASCULAR RISK FACTORS AND ENDOTHELIAL DYSFUNCTION (Invited Lecture)

**C. Chen**, Q. Yao, Baylor College of Medicine, Houston, TX, USA

MANAGING ANGINA AND RISK VIA IMPROVED ENDOTHELIAL FUNCTION: THE EECF MODEL (Invited Lecture)

**G. Barsness**, Mayo Clinic, Rochester, MN, USA

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

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

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

IMATINIB: A NOVEL CANDIDATE FOR TREATMENT OF PERMEABILITY EDEMA (Invited Lecture)

**G.P. van Nieuw Amerongen**, VU University Medical Center, Amsterdam, The Netherlands

16:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION





14:00 – 16:30

Hall C

**S29 Session**

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

SMOKING STATUS AND SURVIVAL AFTER IN-HOSPITAL CARDIAC ARREST – THE SMOKER'S PARADOX REVISITED

**T. Gupta**, D. Kolte, S. Khera, W.S. Aronow, C. Palaniswamy, M. Mujib, A. Ahmed, D. Jain, G.C. Fonarow, S. Iwai, P. Eugenio, S. Lessner, J.A. Panza  
New York Medical College, Valhalla, NY, USA

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

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

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. Shamoan  
Department of Cardiology at St. Joseph's Regional Medical Center, Paterson, NJ, USA

ARRHYTHMIC OUTCOMES IN ARRHYTHMOGENIC CARDIOMYOPATHY WITH IMPLANTABLE CARDIOVERTER DEFIBRILATOR

**J.M. Lopez-Ayala**, J.J. Sanchez-Munoz, M. Salar-Alcaraz, P. Penafiel-Verdu, M.J. Oliva-Sandoval, D. Lopez-Cuenca, I. Gomez-Milanes, M. Valdes, J.R. Gimeno  
Virgen de la Arrixaca University Hospital, University of Murcia, El Palmar, Murcia, Spain

CIRCULATING MICRORNA CHANGES IN CRT RESPONDERS

**C. Sardu**, G. Paolisso, R. Marfella  
Second University of Naples, Naples, Italy

THORACOSCOPIC PERICARDIAL PATCH INSULATION FOR INTRACTABLE PHRENIC NERVE STIMULATION FOLLOWING CARDIAC RESYNCHRONIZATION

**B.H. Kirmani**, N. Mediratta, C. Toolan, J. McKeivith, J. Wright, A. Rao  
Liverpool Heart and Chest Hospital, Liverpool, Mersey, UK

MAGNETIC RESONANCE IMAGING CONDITIONAL PACEMAKER: TREND SETTING TECHNOLOGY – A SINGLE CENTER EXPERIENCE

**L.H. Chebrolu**, A. Abichandani, D. Prutzman, E. Mascarenhas, G. Ferreti, M. Averbach, J. Shirani, D. Traub  
St Luke's University Hospital, Bethlehem, PA, USA



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**S29 Session**

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

BIOMARKERS BEHAVIOUR IN DIFFERENT ORTHOSTATIC INTOLERANCE SYNDROMES

**J.P. Freitas**, E. Azevedo, F. Boomsma, A. Meiracker, J.C. Cardoso, M.J. Maciel  
Autonomic Unit, Centro Hospitalar Sao Joao, Porto, Portugal

SUBCUTANEOUS IMPLANTABLE CARDIOVERTER DEFIBRILLATOR IMPLANTATION IN PATIENTS AFTER DEVICE EXTRACTION

**A. Gupta**, F. Subzposh, H. Saltzman, S.P. Kutalek  
Drexel University College of Medicine, Philadelphia, PA, USA

LOW-ENERGY DIETS: AN IMPORTANT CAUSE FOR ACQUIRED LONG QT SYNDROME AND UNEXPECTED SUDDEN DEATH

**D.B. Petrov**, M.H. Milanova  
Emergency Hospital Pirigov, Sofia, Bulgaria

UTILIZATION OF TRANSMURAL DISPERSION INDICES IN INDIVIDUALS WITH EARLY REPOLARIZATION

**A.S Tolentino**, L.S. Segundo, R.E. Ramboyong  
The Medical City, Ortigas Avenue, Pasig City, Philippines

16:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION



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Hall D

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**S30 Session**  
**INTERVENTIONAL CARDIOLOGY / ANTITHROMBOTIC AND ANTIPLATELET THERAPY FOR PCI**

NEW ORAL ANTICOAGULANTS IN PATIENTS WITH CANCER: CURRENT STATE OF EVIDENCE

**P. Sardar**; S. Chatterjee, E. Herzog; G. Pekler, S. Mushiyeve; L.J. Pastori; F. Visco; W.S. Aronow  
New York Medical College, Department of Medicine, New York, NY, USA

IMPACT OF GENETIC POLYMORPHISMS AND HAEMATOLOGICAL FACTORS ON ACETYLSALICYLIC ACID AND CLOPIDOGREL RESPONSE VARIABILITY IN PATIENTS PRESENTING WITH ACUTE CORONARY SYNDROME

A. Iyisoy, **E. Yalcinkaya**, T. Celik, K. Kaptan, S. Kozan  
GATA Medical Faculty, Department of Cardiology, Ankara, Turkey

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?

**A. Lotfi**, G. Alreja, M.A. Kashef, G.R. Giugliano, J. Garb, M. Schweiger  
Baystate Medical Center/Tufts University School of Medicine, Springfield, MA, USA

EFFECTS AROUND DRUG-ELUTING STENTS

**P.R.S Vijayaratnam**, T.J. Barber, J.A. Reizes  
University of New South Wales, Kensington, NSW, Australia

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

OUTCOMES OF PTFE 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

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



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**HEART DISEASE**  
BOSTON, MA, USA, July 25-28, 2014

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14:00 – 16:30

Hall D

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

DRUG ELUTING STENTS IN FEMALE DIABETIC PATIENTS WITH ACUTE MYOCARDIAL INFARCTION UNDERGOING PRIMARY PERCUTANEOUS CORONARY INTERVENTION

**S. Jang**, M.H. Jeong, J.E. Song, G.S. Chang  
Jeonnam National University, Gwangju, South Korea

BREW: BIORESORBABLE SCAFFOLD EXPERIENCE IN REAL WORLD TRIAL

**V.C. Borra**, P. Chandra, N. Gupta, N. Chouhan  
Medanta - The Medicity, Gurgaon, India

LONG-TERM OUTCOMES OF PERCUTANEOUS TREATMENT OF LEFT MAIN: DEDICATED STENT VERSUS USUAL TREATMENT WITH DES

**F.J. Martinez-Garcia**, L.A. Iñigo-Garcia, L. Fernandez-Lopez, O. Sanz-Vazquez, J.R. Siles-Rubio, A. Ramirez-Moreno, F. Ruiz-Mateas  
Hospital Costa del Sol, Marbella, Spain

OUTCOMES OF PATIENTS TREATED WITH DRUG ELUTING STENTS WITH BIODEGRADABLE VERSUS BIOSTABLE POLYMER

**L.A. Iñigo-Garcia**, L. Fernandez-Lopez, J.R. Siles-Rubio, A. Ramirez-Moreno, O. Sanz-Vazquez, A. Urbaneja-Salas, P. Chincurreta-Capote<sup>1</sup>, J. Muñoz-Bellido<sup>1</sup>, M. Pombo-Jimenez<sup>1</sup>, F. Ruiz-Mateas<sup>1</sup>  
Hospital Costa del Sol, Marbella, Malaga, Spain

INTER-PROVIDER VARIATION IN DIAGNOSES AND CARDIAC CATHETERIZATION USE

**N. Agarwal**, L. Burke, C. Schmalfluss, D.E. Winchester  
University of Florida, Gainesville, Florida, USA

16:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION



SUNDAY, JULY 27, 2014

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16:45 – 19:15

Hall A

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**PL15 Plenary Session**  
**HYPERTENSION – RISK AND MANAGEMENT**

2014 UPDATE ON MANAGEMENT OF HYPERTENSION (Invited Lecture)

**W.S. Aronow**

Westchester Medical Center/New York Medical College, Valhalla, NY, USA

OPTIMAL BLOOD PRESSURE LEVELS IN THE ELDERLY? RESULTS OF REGARDS STUDY. SHOULD WE CORRECT THE GUIDELINES? (Invited Lecture)

**M. Banach**, S. Bromfield, G. Howard, V.J. Howard, A. Zanchetti, W.S. Aronow, A. Ahmed, M.S. Safford, P. Muntner  
Medical University of Lodz, Poland

DUAL AT1 RECEPTOR/NEPRILYSIN INHIBITION ('ARNI') IN HYPERTENSION: AN IMPROVEMENT VERSUS AT1 RECEPTOR BLOCKADE? (Invited Lecture)

**A.H.J. Danser**, L.C.W. Roksnoer, W.W. Batenburg  
Erasmus Medical Center, Rotterdam, The Netherlands

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

ANTIHYPERTENSIVE EFFECT OF FLAXSEED (Invited Lecture)

**K. Prasad**, University of Saskatchewan, Saskatoon, SK, Canada

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

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

SLEEP-TIME BLOOD PRESSURE AS A THERAPEUTIC TARGET FOR CARDIOVASCULAR RISK REDUCTION (Invited Lecture)

**R.C. Hermida**, D.E. Ayala, A. Mojon, J.R. Fernandez  
Campus Universitario, Vigo, Pontevedra, Spain

PREVALENCE AND CLINICAL IMPLICATIONS OF SLEEP-TIME HYPERTENSION

**D.E. Ayala**, R.C. Hermida (Invited Lecture)  
Campus Universitario, Vigo, Pontevedra, Spain



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**PL16 Plenary Session**

**ADVANCES IN CARDIOVASCULAR SURGERY / CAROTID AND CORONARY REVASCULARIZATION / HEART TRANSPLANTATION**

PERICUTANEOUS HEMODYNAMIC SUPPORT FOR HIGH RISK PCI: INDICATIONS AND RESULTS (Invited Lecture)

**G.W. Vetrovec**, VCU Medical Center Richmond, VA, USA

THE TREATMENT OF THE CHRONIC TOTAL OCCLUSION (Invited Lecture)

**B.F. Uretsky**, University of Arkansas for Medical Sciences, Little Rock, AR, USA

PUBLIC REPORTING OF CALIFORNIA INTERVENTIONAL AND SURGICAL OUTCOMES (Invited Lecture)

**W. Bommer**, Z. Li, H. Hoegh, S. Ram, T. Patel, G. Mahendra, L. Vazquez  
University of California, Davis, CA, USA

PCI VERSUS CABG IN MULTIPLE VESSEL CAD (Invited Lecture)

**A. Kumar**, Govt Medical College/GND Hospital, Amritsar, India

UPDATE ON CORONARY BIFURCATION CLASSIFICATION AND TECHNIQUES (Invited Lecture)

**M.R. Movahed**, The Southern Arizona VA Health Care System, Tucson, AZ, USA

MANAGEMENT STRATEGIES OF COMBINED SEVERE SYMPTOMATIC CAROTID & CORONARY ARTERY DISEASE (Invited Lecture)

**M.S. Abu-Fadel**, University of Oklahoma HScC, Oklahoma City, OK, USA

BIOMARKERS IN CARDIAC ALLOGRAFT VASCULOPATHY (Invited Lecture)

**N. Nair**, Sacred Heart Medical Center, Spokane, WA, USA

ASSOCIATION OF COAGULOPATHY AND IN-HOSPITAL MORTALITY AMONG HEART TRANSPLANT RECIPIENTS (Invited Lecture)

**M. Mujib**, W.S. Aronow, G.M. Lanier, D. Kolte, S. Khera, C. Palaniswamy, P. Harikrishnan, C. Iragavarapu, T. Ahmed, D. Jain, S. Sule, G.C. Fonarow, A. Ahmed, W.H. Frishman, A.L. Gass, S.D. Prabhu, J.A. Panza  
New York Medical College, Valhalla, NY, USA

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





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**PL16 Plenary Session**

**ADVANCES IN CARDIOVASCULAR SURGERY / CAROTID AND CORONARY  
REVASCULARIZATION / HEART TRANSPLANTATION (cont.)**

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. ElAmm, G.H. Oliveira  
University Hospitals Case Medical Center, Cleveland, OH, USA

DECREASED INCIDENCE OF ATRIAL FIBRILLATION FOLLOWING OPEN HEART  
SURGERY USING MODIFIED DEL NIDO CARDIOPLEGIA

**D. Loberman**, R.C. Neely, D. Fitzgerald, S. McGurk, T.K. Rajab, I. Gosev,  
A. Grewal, L.H. Cohn, M. Leacche, S.F. Aranki  
Brigham and Women's Hospital, Boston, MA, USA



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Hall C

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**S31 Session**

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

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

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

ADENOSINE A2A RECEPTORS FUNCTION IN VASOVAGAL SYNCOPE  
**R. Guieu**, N. Kipson, F. Franceschi, J. Fromonot, J. Condo, J.C. Deharo, M. Brignole<sup>3</sup>,  
E. Fenouillet, J. Ruf  
Aix Marseille University and IRBA, Marseille, France

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

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

PULMONARY VEIN ANTIMICROBIAL 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

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

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



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**S31 Session**

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

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  
GRMEP, Grand Rapids, Michigan, USA

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

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

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

REMOTE MAGNETIC WITH OPEN-IRRIGATED CATHETER VS. MANUAL NAVIGATION FOR ABLATION OF ATRIAL FIBRILLATION: A SYSTEMATIC REVIEW AND META-ANALYSIS

**R. Proietti**, V. Pecoraro, L. Di Biase, A. Natale, P. Santageli, M. Viecca, A. Sagone, A. Galli, L. Moja, L. Tagliabue  
Luigi Sacco Hospital, Milano, Italy



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**S32 Session**  
**MOLECULAR / CELLULAR SURVIVAL AND REGENERATION IN CARDIAC DISEASE**

IVABRADINE INHIBITS APOPTOSIS AND NECROSIS IN PRIMARY AND CULTURED CARDIAC MYOCYTES EXPOSED TO HYPOXIA REOXYGENATION INSULT THROUGH ITS HCN CHANNEL BLOCKING ACTIVITY

**P.K. Witting**, A.C. McMahon, H-B Kim, A-M Maw, S.B. Freedman  
The University of Sydney, Sydney, NSW, Australia

RANOLAZINE ADMINISTERED AFTER DOXORUBICIN TREATMENT, PREVENTS CARDIOTOXICITY IN MICE

**N. Maurea**, C. Coppola, G. Piscopo, D. Rea, C. Maurea, F. Galletta, E. Esposito, I. Capasso, C. Arra, R.V. Iaffaioli  
National Cancer Institute Pascale Foundation IRCCS, Naples, Italy

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

**H. Mudaliar**, B. Rayner, M. Billah, W. Lay, R. Bhindi  
Kolling Institute of Medical Research, Royal North Shore Hospital, Sydney, New South Wales, Australia

ADIPOSE-DERIVED MESENCHYMAL STEM CELLS EMBEDDED IN PLATELET-RICH FIBRIN SCAFFOLDS PROMOTE ANGIOGENESIS, PRESERVE HEART FUNCTION, AND REDUCE LEFT VENTRICULAR REMODELING IN RAT ACUTE MYOCARDIAL INFARCTION

**H.W. Chang**, H.K. Yip  
National Sun Yat-Sen University, Kaohsiung, Taiwan, R.O.C.

PROLYL HYDROXYLASE DOMAIN PROTEIN 2 SILENCING PROMOTES THE THERAPEUTIC EFFECT OF TRANSPLANTED STEM CELLS IN INFARCTED HEART BY ENHANCING THEIR SURVIVAL AND PARACRINE FUNCTION

**W.E. Wang**, D. Yang, L. Li, Y. Peng, X. Xia, L. Ye, D.D. Duan, X. Chen, S.R. Houser, C. Zeng  
Daping Hospital, Third Military Medical University, Chongqing, China

ALPHA LINOLENIC ACID-RICH FLAXSEED REGULATES SURVIVAL IN CARDIOMYOCYTES

F. Carotenuto, M. Minieri, S. Melino, **P. Di Nardo**  
Tor Vergata University, Rome, Italy

BRANCHED-CHAIN AMINO ACIDS PREVENT HEART FAILURE IN RATS

**Y. Tanada**, T. Shioi, A. Kawamoto, J. Okuda, T. Kimura  
Kyoto University Graduate School of Medicine, Kyoto, Japan



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**S32 Session**  
**MOLECULAR / CELLULAR SURVIVAL AND REGENERATION IN CARDIAC DISEASE**

BONE MORPHOGENETIC PROTEIN-4 INDUCES UP-REGULATION OF CAV3.1 CA<sup>2+</sup> CHANNELS IN HL-1 ATRIAL MYOCYTES

C.W. Hu, Q. Li, Y. Zhang, Y.H. Li, H.C. Jiang, M.Y. Liu, S.L. Li, W. Han, **D.L. Dong**  
Harbin Medical University, Harbin, Heilongjiang Province, China

PRENATAL LIPOPOLYSACCHARIDE EXPOSURE RESULTS IN DYSFUNCTION OF RENAL DOPAMINE D1 RECEPTOR IN OFFSPRING RATS

X.Q. Wang, H. Luo, J.L. Wang, C.Y. Chen, Y. Cai, S. Zhen, L. Zhou, **C.Y. Zeng**  
Daping Hospital, The Third Military Medical University and  
Chongqing Institute of Cardiology, Chongqing, P. R. China

ERK1/2 MEDIATES LIPOPOLYSACCHARIDE-UPREGULATED FGF-2, UPA, MMP-2, MMP-9 AND CELLULAR MIGRATION IN PRIMARY CARDIAC FIBROBLASTS

**W-S. Hu**  
Taipei Medical University, Taipei, Taiwan

DECIPHERING THE SYSTEMS BIOLOGY OF MICRORNAs IN PULMONARY HYPERTENSION AND CARDIOVASCULAR DISEASE

**S.Y. Chan**  
Brigham and Women's Hospital/Harvard Medical School, Boston, MA, USA

PROTEIN TYROSINE PHOSPHATASES AS NOVEL THERAPEUTIC TARGET AGAINST ACUTE CARDIAC ISCEMIA

**C.F. Cheng**, Y.Y. Chen, W.S. Lian, K.H. Khoo, T.C. Meng  
Tzu Chi General Hospital, Hualien, Taiwan

OPTICAL MOLECULAR IMAGING OF ATHEROMA INFLAMMATION IN MURINE CAROTID PLAQUES WITH A NOVEL, MANNOSE RECEPTOR TARGETING NEAR-INFRARED FLUORESCENCE PROBE

**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  
Korea University Guro Hospital, Seoul, South Korea



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**P401 GENETICS OF HEART DISEASE**

MYOCARDITIS IS A MARKER OF ACTIVE DISEASE IN ARRHYTHMOGENIC CARDIOMYOPATHY: ANALYSIS OF CLINICAL FEATURES AND OUTCOMES  
**J.M. Lopez-Ayala**, D. Lopez-Cuenca, J. Gonzalez-Carrillo, J.J. Sanchez-Muñoz, I. Gomez-Milanes, M.C. Olmo, M.J. Oliva-Sandoval, M. Valdes, J.R. Gimeno  
Virgen de la Arrixaca University Hospital, University of Murcia, El Palmar, Murcia, Spain

ASSOCIATION OF G1359A POLYMORPHISM OF THE ENDOCANNABINOID TYPE 1 RECEPTOR WITH CORONARY ARTERY DISEASE WITH TYPE 2 DIABETES MELLITUS  
**W.A. Hamed**, S.I. Tayel, A.A. Alrefai, H.E. Elbarbary  
Shebin El-Kom, Egypt

CYP2C19 GENETIC VARIATION AND INDIVIDUALIZED CLOPIDOGREL PRESCRIPTION IN A CARDIOLOGY CLINIC – A PERSPECTIVE STUDY  
**Y. Wu**, W.Q. Fan, E.J. Mascarenhas, K. Khalighi  
Easton Hospital, Drexel University, Easton, PA, USA

GENETIC INFORMATION-GUIDED THROMBOEMBOLISM PRECAUTION AND TREATMENT IN A CARDIOLOGY CLINIC – A PERSPECTIVE STUDY  
**A. Mirabbasi**, R. Thachil, Y. Wu, W. Fan, K. Khalighi  
Easton Cardiovascular Associates, Easton Hospital, Drexel University, Easton, PA, USA

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

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

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

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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CT FLOW METRICS BASED ON CONTRAST OPACIFICATION

**F.J. Rybicki**, D.M. Mitsouras

Applied Imaging Science Lab, Brigham and Women's Hospital, Boston, MA, USA

**P403 LIPIDS, LIPOPROTEIN DISORDERS AND CAD**

CLINICAL IMPLICATIONS OF THE EICOSAPENTAENOIC ACID TO ARACHIDONIC ACID RATIO IN PATIENTS WITH CORONARY ARTERY DISEASE

**K. Toyama**, A. Isshiki, T. Ando, Y. Inoue, M. Kirimura, T. Kamiyama, O. Sasaki, H. Ito, T. Nishioka

Saitama Medical Center, Saitama Medical University, Kawagoe, Japan

EFFICACY AND TOLERABILITY OF TWO DIFFERENT FORMULATIONS OF ATORVASTATIN IN PATIENTS WITH HYPERCHOLESTEROLEMIA; MULTICENTER, PROSPECTIVE, RANDOMIZED TRIAL

**S.H. Kim**, H.L. Lee, H.L. Kim, J.B. Seo, W.Y. Chung, J.H. Zo, M.A. Kim, K.J. An

Seoul Boramae Medical Center, Seoul National University College of Medicine, Korea

LIPOPROTEIN FRACTIONS AND SUBFRACTIONS IN A MURINE MODEL OF EARLY ATHEROSCLEROSIS

V.M. Loginova, **T.A. Korolenko**, T.P. Johnston, F.V. Tuzikov, T.P. Korolenko,

I. N. Maiborodin, V.K. Spiridonov

Institute of Physiology SB RAMS, Institute of Catalysis SB RAS,

ATHEROGENIC BURDEN OF HYPERTENSIVE, DIABETIC AND HYPERTENSIVE DIABETIC PATIENTS SEEN IN JOS NIGERIA

B.N. Okeahialam, **D.A. Osunkwo**, C.O. Isichei

Faculty of Medical Sciences, University of Jos, Nigeria

**P404 CARDIOVASCULAR DISEASE: PROGNOSIS, RISK ASSESSMENT**

A 35-YEAR PERSPECTIVE (1975-2009) INTO THE LONG-TERM PROGNOSIS OF PATIENTS HOSPITALIZED WITH A FIRST ACUTE MYOCARDIAL INFARCTION

**H-Y. Chen**, J.M. Gore, J. Yarzebski, R.J. Goldberg

University of Massachusetts Medical School, Worcester, MA, USA

POPULATION-BASED COHORT STUDY

**W.C. Tzeng**, H.P. Feng, S.M. Cheng, W.C. Chien

Tri-Service General Hospital, National Defense Medical Center, Taipei, Taiwan



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**P404 CARDIOVASCULAR DISEASE: PROGNOSIS, RISK ASSESSMENT (cont.)**

PREVALENCE AND DETERMINANTS OF INSOMNIA FOLLOWING A MYOCARDIAL INFARCTION

**D. Da Costa**, P. Desormeau, E. Libman, A.A. Allman, C. Grover, M. Raptis, I. Lowensteyn, S. Grover, McGill University, Montreal, QC, Canada

HBA1C AMONG ANGIOGRAPHIED CORONARY PATIENTS MORE STRONGLY PREDICTS CARDIOVASCULAR RISK IN WOMEN THAN IN MEN

**C.H. Saely**, A. Vonbank, P. Rein, A. Leisherer, D. Zanolin, K. Geiger, H. Drexel  
Academic Teaching Hospital Feldkirch, Feldkirch, Austria

PROBNP STRONGLY PREDICTS VASCULAR EVENTS INDEPENDENTLY FROM THE ANGIOGRAPHICALLY DETERMINED CORONARY ARTERY STATE

P. Rein, **C.H. Saely**, A. Vonbank, D. Zanolin, A. Leisherer, H. Drexel  
Academic Teaching Hospital Feldkirch, Feldkirch, Austria

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

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

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

SUBCLINICAL HYPOTHYROIDISM IS NOT ASSOCIATED WITH ADVERSE IN-HOSPITAL CARDIAC EVENTS

**Y.Y. Abdelmonem**, A. Mohsen, H.I. Kandil  
Kasr Alainy Medical School, Cairo University, Cairo, Egypt

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, Cardiology Department, Istanbul, Turkey

HYPOMAGNESAEMIA 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



SUNDAY, JULY 27, 2014

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Poster Hall

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

INFLUENZA VACCINATION REDUCES HOSPITALIZATION FOR ACUTE CORONARY SYNDROME IN ELDERLY PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE: A POPULATION-BASED COHORT STUDY

**J.C. Liu**, L.C. Sung, C.I. Chen, J.S. Miser

Taipei Medical University - Shuang Ho Hospital, Taiwan

MACRONUTRIENT INTAKE IS NOT ASSOCIATED WITH CORONARY ARTERY CALCIFICATION IN HEALTHY KOREAN ADULTS

**K.C. Sung**, S.H. Lee

Kangbuk Samsung Hospital, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea

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

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

**P406 LEFT VENTRICULAR HYPERTROPHY / HYPERTROPHIC CARDIOMYOPATHY / DIASTOLIC DYSFUNCTION**

EPICARDIAL FAT AND STRUCTURAL FEATURES OF THE HEART AS DEFINED BY ECHOCARDIOGRAPHY IN PATIENTS WITH DIASTOLIC DYSFUNCTION

**O.M. Drapkina**, A.N. Kaburova

I.M. Sechenov First Moscow State Medical University, Moscow, Russian Federation

HEART RATE VARIABILITY AND CARDIAC MECHANICS IN HYPERTROPHIC CARDIOMYOPATHY

**W.A. Hamed**, H.M. Badran, M.F. Noamany, H.M. Saadan

Shebin El-Kom, Egypt

CHRONIC HEART FAILURE PATIENTS WITH REDUCED VERSUS PRESERVED EJECTION FRACTION IN SAUDI ARABIAN COHORT

**W. Al-Shaqua**

Imam Muhammad Ibn Saud Islamic University, Riyadh, Saudi Arabia



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**P407 ADVANCES IN CARDIAC SURGERY: SURGICAL REVASCULARIZATION /  
MECHANICAL CIRCULATORY SUPPORT / CARDIAC TRANSPLANTION**

HIGHER HOSPITAL MORTALITY IN WOMEN UNDERGOING ISOLATED CORONARY  
ARTERY BYPASS GRAFT IN THE REAL WORLD

**A.S. Cordeiro da Rocha**, M.P. Araujo, M.N. Viegas, J.M. Vieira Jr, M.V. Martins,  
R.C. Vanconcellos, E.T. Mesquita, A.S. Colafranceschi  
Hospital Pro-Cardiaco, Rio de Janeiro, RJ, Brazil

PATHOLOGICAL FINDINGS IN CARDIAC APEX REMOVED DURING IMPLANTATION  
OF VENTRICULAR ASSIST DEVICES (VAD) ARE NON-SPECIFIC

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

ROLE OF IVABRADINE IN HIGH RISK PATIENTS UNDERGOING VASCULAR  
SURGERY

**S.A Hussien**, H.I Kandil, K. Said  
Cairo University, Egypt

TRENDS IN INTRA-AORTIC BALLOON PUMP USE OVER TIME WITH INDICATION  
FOR USE

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

DEPRESSION AND DECREASED RISK OF IN-HOSPITAL MORTALITY AMONG  
HEART TRANSPLANT RECIPIENTS: FINDINGS FROM A US NATIONAL STUDY

**M. Mujib**, D. Kolte, S. Khera, W.S. Aronow, C. Palaniswamy, P. Harikrishnan, T. Ahmed,  
D. Jain, G.M. Lanier, S. Sule, G.C. Fonarow, A. Ahmed, W.H. Frishman, A.L. Gass,  
S.D. Prabhu, J.A. Panza  
New York Medical College, Valhalla, NY, USA

1353 EVALUATION OF RESPIRATORY STATUS CHANGES IN CARDIAC SURGERY  
PATIENTS AFTER EXTUBATION USING A NON-INVASIVE RESPIRATORY VOLUME  
MONITOR

S. Ianchulev, M. Jafferji, **D. Ladd**, J. Freeman  
Tufts University Medical Center, Boston, MA, USA



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**P407 ADVANCES IN CARDIAC SURGERY: SURGICAL REVASCULARIZATION / MECHANICAL CIRCULATORY SUPPORT / CARDIAC TRANSPLANTION (cont.)**

A NEW CLASSIFICATION FOR CORONARY ARTERY BIFURCATION LESIONS

**T. Papadopoulos**, A. Nikitopoulos, G. Spiromitros, A. Antoniou, J. Kanonidis  
Hippokration University Hospital, Greece

ARE AIRBAGS PROTECTIVE OR DETRIMENTAL TO THE HEART POST MOTOR VEHICLE ACCIDENTS?

**R.N. Khouzam**

University of Tennessee Health Science Center, Memphis, TN, USA

ELEVATED PRE-OPERATIVE HBA1C AFFECTS OUTCOME OF CORONARY ARTERY BYPASS GRAFTING

**S.K. Singh**, S. Gupta, D. Kaushal

King George Medical University, Lucknow, UP, India

STUDY THE EFFECT OF CORONARY ARTERY BYPASS GRAFT (CABG) WITH EXTRA CORPOREAL CIRCULATION (ECC) ON HEARING STATUS: ASSESSING A WIDE RANGE OF FREQUENCIES PRE-AND POST –OPERATIVELY

H. Habib, A.R. Asareh, S. ShomeilShooshtari, **M. Nourizadeh**, Z. Mansoori,  
A. Sattari, N. Asadinia

Atherosclerosis Research Center, Ahwas Jondishapour University, Ahwas, Iran

MORTALITY REDUCTION WITH IABP PRIOR TO EMERGENCY CABG ON PATIENTS WITH CARDIOGENIC SHOCK

B. Lin, J. Moellmann, R. Hetzer, **R. Baretta**

Deutsches Herzzentrum Berlin, Germany

**P408 CARDIOVASCULAR QUALITY IMPROVEMENT AND OUTCOMES**

COMPLIANCE AND UTILIZATION OF REMOTE HOME MONITORING FOR FIRST TRANSMISSION IN PATIENTS GIVEN MONITORS AT TIME OF CARDIAC DEVICE IMPLANTATION

**S. Banga**, N. Chalfoun, S. VanBeek, B. Finta, M. Dahu, D. Elmouchi, A. Woelfel,  
A. Davis, A. Gauri

GRMEP, Grand Rapids, Michigan, USA

SAFETY AND CLINICAL OUTCOMES OF SAME DAY DISCHARGE IN PATIENTS UNDERGOING ELECTIVE CARDIAC DEVICE IMPLANTATION

**S. Banga**, N. Chalfoun, D. Elmouchi, B. Finta, A. Woelfel, M. Dahu, A. Gauri  
GRMEP, Grand Rapids, Michigan, USA



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**P408 CARDIOVASCULAR QUALITY IMPROVEMENT AND OUTCOMES (cont.)**

PROVIDING EQUITY IN CARE DELIVERY BY RACE, ETHNICITY AND LANGUAGE:  
TEXAS HEALTH RESOURCES' INITIAL REVIEW

**J. Cheirif**, A. Gracia, J. Veliz, L. Gerbig, M. Kini, M. Daja, T. Keller, M. Restrepo,  
M. Reyna, M. Vecchio, T. Ngueyn, D. Varga  
Texas Health Resources, Arlington, TX, USA

THE COST AND BENEFITS OF HELICOPTER EMERGENCY MEDICAL SERVICES  
INSTEAD OF THE GROUND UNIT IN CHEST TRAUMATIC PATIENTS: A COST-  
EFFECTIVENESS ANALYSIS

A. Shamsakhtari, N. Saadatjafari, H. Kariman, **M. Nourizadeh**, N. Asadina<sup>3</sup>  
Atherosclerosis Research Center, Ahwas Jondishapour University, Ahwas, Iran

SERIAL ECHOCARDIOGRAPHY FOR EARLY DIAGNOSIS OF CARDIOTOXICITY IN  
BREAST CANCER PATIENTS TREATED WITH TRASTUZUMAB

**F. Shah**, D. Silverman, P. Doloto, K.C. Micetich, J.T. Barron  
Loyola University Medical Center, Maywood, IL, USA

PREDICTORS OF MORTALITY IN HOSPITALIZED PATIENTS WITH HYPERKALEMIA

J.B. Khanagavi, **P.M. Phatak**, T. Gupta, W.S. Aronow, J. Garg, S. Sule  
New York Medical College, Valhalla, NY, USA

RACE AND AGE IMPACTS TREATMENT COST OF HEART FAILURE IN TENNESSEE

**B.A. Husaini**, V. Cain, M. Novotny, Z. Samad, R. Levine, M. Moonis  
Tennessee State University, Nashville, TN, USA

A SINGLE-CENTER RETROSPECTIVE COMPARISON OF STRESS  
ECHOCARDIOGRAPHY UTILIZATION BETWEEN FAMILY MEDICINE PHYSICIANS  
AND INTERNISTS

**A. Chaudhry**, G.A. Baquero, W.R. Davidson, A.J. Foy  
Penn State Hershey Medical Center, Hershey, PA, USA





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08:30 – 11:00

Hall A

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

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

MEDITERRANEAN DIET AND SECONDARY PREVENTION OF CVD (Invited Lecture)

**D.B. Panagiotakos**, Harokopio University, Athens, Greece

LOOKING BACK ON THE LOOK AHEAD TRIAL (Invited Lecture)

**E. Barrett-Connor**, University of California San Diego, La Jolla, CA, USA

SATURATED FAT INTAKE AND THE GENESIS OF CORONARY ARTERY DISEASE –  
WHERE'S THE EVIDENCE? (Invited Lecture)

S. Vallurupalli, **J.L. Mehta**

University of Arkansas for Medical Sciences, Little Rock, AR, USA

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

THE EFFECT OF FINANCIAL CRISIS ON THE HEALTH STATUS OF  
POPULATION...INSIGHTS FROM GREECE (Invited Lecture)

**C. Pitsavos**, 1st Cardiology Clinic University of Athens, Athens, Greece

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

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

RACIAL DIFFERENCES IN VITAMIN D/PARATHYROID HORMONE  
ENDOCRINE SYSTEM AND CARDIOVASCULAR DISEASE

(Invited Lecture)

**Y. Song**, Indiana University, Indianapolis, IN, USA



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**PL17 Plenary Session**  
**DIET, LIFESTYLE AND CVD PREVENTION – NEW ORIGINS (cont.)**

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

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



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08:30 – 11:00

Hall B

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**PL18 Plenary Session**

**ADVANCES IN THE TREATMENT AND MANAGEMENT OF HEART FAILURE**

THE MANAGEMENT OF PATIENTS WITH ADVANCED HEART FAILURE

(Invited Lecture)

**V.H. Pitzalis**, East Carolina University, The Brody School of Medicine, Greenville, NC, USA

CAN WE PREVENT HEART FAILURE READMISSIONS? (Invited Lecture)

**P.A. Heidenreich**, Stanford University, Palo Alto, CA, USA

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

CARDIORENAL SYNDROME: NOT AS STRAIGHT FORWARD AS WE USED TO THINK (Invited Lecture)

**A. Kazory**, University of Florida, Gainesville, FL, USA

NEW TECHNOLOGIES TO IMPROVE CRT OUTCOME (Invited Lecture)

**K. Seidl**, Klinikum Ingolstadt, Germany

ALDOSTERONE ANTAGONISTS IN HEART FAILURE: CLINICAL SETTINGS AND TIMING (Invited Lecture)

**C. Adamopoulos**, Thessaloniki, Greece

COLCHICINE AND NEW MANAGEMENT STRATEGIES FOR ACUTE AND RECURRENT PERICARDITIS (Invited Lecture)

**M. Imazio**, Maria Vittoria Hospital, Torino, Italy

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

SLEEP APNEA IN PATIENTS WITH CRT: IS IT WORTHWHILE TO CHECK? (Invited Lecture)

**A. Capucci**, M.V. Matassini, F. Guerra  
Università Politecnica delle Marche, Ancona, Italy



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**PL18 Plenary Session**  
**ADVANCES IN THE TREATMENT AND MANAGEMENT OF HEART FAILURE (cont.)**

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, K. George, **N. Angomachalelis**

G. Papanikolaou General Hospital, Thessaloniki, Greece

11:00 COFFEE BREAK, VISIT POSTERS AND EXHIBITION



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08:30 – 11:00

Hall C

**S33 Session**

**THE RELEVANCE OF GENETICS IN PROVIDING UNDERSTANDING AND TREATMENT FOR CARDIOVASCULAR DISEASE (1)**

PHARMACOGENETICS-GUIDED INDIVIDUAL WARFARIN DOSING IN A CARDIOLOGY CLINIC – A PERSPECTIVE OBSERVATORY STUDY

**Y. Wu**, W.Q. Fan, E.J. Mascarenhas, K. Khalighi  
Easton Hospital, Drexel University, Easton, PA, USA

A MICRO-RNA-410 REGULATED LIPOPROTEIN LIPASE POLYMORPHISM IS ASSOCIATED WITH TRIGLYCERIDES AND STROKE INCIDENCE

**D. Corella**, O. Coltell, J.V. Sorli, R. Estruch, M. Fito, F. Aros, E. Ros, J. Lapetra, G.T. Saez, J.M. Ordovas  
Instituto de Salud Carlos III, Madrid, Spain

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

RAPID UP-REGULATION AND CLEARANCE OF DISTINCT CIRCULATING MICRORNAs AFTER PROLONGED AEROBIC EXERCISE

A.L. Baggish, **J. Park**, P-K.Min, S. Isaacs, B.A. Parker, P.D. Thompson, C. Troyanos, P. D'Hemecourt, S. Dyer, M. Thiel, A. Hale, S.Y. Chan  
Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA

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

VARIATION IN THE MINICHROMOSOME MAINTENANCE COMPLEX COMPONENT 6 GENE, DAIRY INTAKE AND CARDIOVASCULAR RISK

**O. Coltell**, C. Ortega-Azorin, M.A. Martinez-Gonzalez, J. Salas-Salvado, L. Serra-Majem, E. Gomez-Gracia, V. Ruiz-Gutierrez, M. Fiol, X. Pinto, D. Corella<sup>3</sup>  
Instituto de Salud Carlos III, Madrid, Spain

MUTATION IN ST6GALNAC5 IDENTIFIED IN FAMILY WITH CORONARY ARTERY DISEASE

**K. InanlooRahatloo**, A.F. Zand Parsa, K. Huse, P. Rasooli, S. Davaran, E. Elahi  
Stanford School of Medicine, Stanford, CA, USA.,



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ASSOCIATION OF DELETION ALLELE OF INSERTION/DELETION POLYMORPHISM  
IN ALPHA 2B ADRENOCEPTOR GENE AND HYPERTENSION WITH OR WITHOUT  
TYPE 2 DIABETES MELLITUS

**W.A. Hamed**, S.I. Tayel, H.F. Khader, N.G. El-Helbawy  
Shebin El-Kom, Egypt

ROLE OF GRK4 IN THE REGULATION OF ARTERIAL AT1 RECEPTOR IN  
HYPERTENSION

K. Chen, C.J. Fu, C.Y. Chen, Li Liu, H.M. Ren, Y. Han, J. Yang, D. He, **C.Y. Zeng**  
Daping Hospital, The Third Military Medical University, P.R. China

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

THE FAMILY HISTORY AND GENETIC RISK DISCONNECT IN WOMEN

**B.T. Costello**, R. Doukky, G.P. Lundberg, L.T. Braun, A.S. Volgman  
Rush University Medical Center, Chicago, Illinois, USA

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





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Hall A

**PL19 Plenary Session**

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

OLD AND EMERGING OPTIONS FOR TREATMENT OF REFRACTORY ANGINA: A CRITICAL APPRAISAL (Invited Lecture)

**U. Thadani**, University of Oklahoma Health Sciences Center and VA Medical Center, Oklahoma City, OK, USA

MANAGEMENT OF STABLE ISCHEMIC HEART DISEASE: OVERVIEW OF RECENT GUIDELINES (Invited Lecture)

**J.M. Gardin**, Hackensack University Medical Center, NJ, USA

FRACTIONAL FLOW RESERVE (FFR) AT 2014- WHERE ARE WE AND WHERE IS IT GOING (Invited Lecture)

**E. Kaluski**, University Hospital, Newark, NJ, USA

IS ISCHEMIA UNIVERSAL IN A CHRONIC TOTAL OCCLUSION? (Invited Lecture)

**R. Sachdeva**, North Fulton Hospital, Roswell, GA, USA

OPTIMAL DURATION OF DUAL ANTIPLATELET THERAPY AFTER DES IMPLANTATION: EXCELLENT TRIAL AND FUTURE PERSPECTIVES (Invited Lecture)

**H-C. Gwon**, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea

DUAL UTILIZATION OF EXERCISE ECHOCARDIOGRAMS AND MYOCARDIAL PERFUSION IN ASSESSING ISCHEMIA IN A CARDIOLOGY PRACTICE (Invited Lecture)

**Y. Charuzi**, R.W. Gao, J. Mirocha, Cedars Sinai Heart Institute, Los Angeles, CA, USA

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

STABLE ISCHEMIC HEART DISEASE: EVOLVING CONCEPTS AND THE ROLE OF ISCHEMIA

**M.S. Sidhu**, Albany Medical College, Albany, NY, USA

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

CLINICAL IMPACT OF SERUM URIC ACID IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION

**S. Jang**, J.E. Song, G.S. Chang, M.H. Jeong  
Jeonnam National University, Gwangju, South Korea



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**PL20 Plenary Session**  
**OBESITY, DIABETES AND CVD**

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

METABOLIC SYNDROME CRITERIA: CAUSE VERSUS EFFECT OF CARDIOMETABOLIC DISEASE

**T.B. Levine**, Drexel University College of Medicine, Philadelphia, PA, USA

MITOCHONDRIAL DYSFUNCTION AND DIABETIC HEART DISEASE (Invited Lecture)

S. Kobayashi, Y. Huang, **Q. Liang**  
New York Institute of Technology, Old Westbury, NY, USA

BENEFIT 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

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

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

ASSOCIATION BETWEEN GLYCATED HAEMOGLOBIN AND THE RISK OF CONGESTIVE HEART FAILURE IN DIABETES MELLITUS – SYSTEMATIC REVIEW AND META-ANALYSIS

**S. Erqou**, C. Lee, M. Suffoletto, J.B. Echouffo-Tcheugui, R.A. de Boer, J.P. van Melle, A.I. Addler  
Weill Cornell Medical College, New York City, New York, USA

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



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Hall B

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**PL20 Plenary Session**  
**OBESITY, DIABETES AND CVD (cont.)**

THE EFFECTS OF DIABETES MELLITUS ON LONG-TERM PROGNOSIS IN ACUTE MYOCARDIAL INFARCTION PATIENTS WITH ATRIAL FIBRILLATION WHO UNDERWENT PRIMARY PERCUTANEOUS CORONARY INTERVENTION

**S. Jang**, M.H. Jeong, J.E. Song, G.S. Chang  
Jeonnam National University, Gwangju, South Korea

CORRELATION OF BODY FAT PERCENTAGE TO VARIOUS METABOLIC AND CARDIOVASCULAR RISK MARKERS IN NORTH INDIAN TYPE II DIABETIC PATIENTS

**R. Kapoor**, R. Khanna, S. Kapoor, R. Kapoor  
Carewell Heart & Superspeciality Hospital, Amritsar, India



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

TREATING RAPID ATRIAL FIBRILLATION IN DECOMPENSATED HEART FAILURE: METOPROLOL IS SUPERIOR TO DILTIAZEM

**F. Katchi**, S. Nagabandi, J. Shuster, E. Novak, S. Joseph

Washington University in St. Louis School of Medicine, St. Louis, Missouri, USA

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

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

COMPARATIVE EFFECTIVENESS OF TRANSITIONAL CARE SERVICES IN PATIENTS DISCHARGED FROM THE HOSPITAL WITH HEART FAILURE (HF): A META-ANALYSIS

**H.G.C. Van Spall**, O. Mytton, M. Coppiens, T. Shiga, B. Haynes, S. Connolly

Population Health Research Institute and McMaster University, Hamilton, Ontario, Canada

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

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. Gazette

Keck Medical School of USC, LA, CA, USA

SUBLINGUAL ISOSORBIDE DINITRATE FOR EVALUATION OF LEFT VENTRICULAR OUTFLOW TRACT OBSTRUCTION IN HYPERTROPHIC CARDIOMYOPATHY

**W.A. Hamed**, H.M. Badran, R.I. Yaseen, T.A. Zaki

Shebin El-Kom, Egypt



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DECREASED RENAL FUNCTION IS ASSOCIATED WITH HEART FAILURE  
READMISSION

**M.R. Vindhya**, B. Duran, H. Farhoud, K.J. Kallail  
KU School of Medicine, Wichita, Kansas, USA

EDHFC: 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

COLCHICINE USE FOR THE PRIMARY PREVENTION OF POSTPERICARDIOTOMY  
SYNDROME (CUPP): A META-ANALYSIS

**C.K. Fomaneg**, P.E.E Samonte, M.M. Sasondoncillo-Nadal, C.L.L Sim-Apura,  
L.P. Padua  
Philippine Heart Center, Quezon City, Philippines

TRASTUZMAB CARDIOTOXICITY DOCUMENTED BY SERIAL ASSESSMENT OF  
LEFT VENTRICULAR SYSTOLIC FUNCTION AND GLOBAL LONGITUDIANL 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

PREDICTORS OF LEFT VENTRICULAR DYSFUNCTION AFTER ARTERIAL-VEIN  
FISTULA PLACEMENT

**R. Dhingra**, S. Tariq, J. Anderson, M. Gallichio, M. Torosoff  
Albany Medical College, Albany, NY, USA

POOR LEFT ATRIAL FUNCTION IS ASSOCIATED WITH REDUCED LEFT  
VENTRICULAR EJECTION FRACTION

**H. Patel**, A. Shaikh, K. Liaqat, U. Mishra, S. Pillai, S. Apiyasawat, V. Ariyarajah  
The Brooklyn Hospital Center, affiliation Weill Medical College of Cornell University, NY,  
USA



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**P501 MOLECULAR AND CELLULAR CARDIOLOGY, BASIC AND TRANSLATIONAL RESEARCH**

THE IMPROVEMENT EFFECT OF CARDIAC FUNCTION AFTER TRANSPLANTATION OF THE NOVEL PEPTIDE SVVYGLR-SECRETING MYOBLAST SHEETS IN A RAT ISCHEMIC CARDIOMYOPATHY MODEL

**A. Uchinaka**, N. Kawaguchi, Y. Hamada, S. Mori, S. Miyagawa, A. Saito, Y. Sawa, N. Matsuura

Osaka University Graduate School of Medicine, Suita, Osaka, Japan

ULTRASOUND-INDUCED INHIBITION AND MODULATION OF NEONATAL VENTRICULAR CARDIOMYOCYTE DEPOLARIZATION

**N. Mehta**, J.Y. Kresh, S.P. Kutalek, P.A. Lewin, A.R. Kohut

School of Medicine Drexel University, Philadelphia, PA, USA

ACTIVATION OF D4 DOPAMINE RECEPTOR DECREASES AT1 ANGIOTENSIN II RECEPTOR EXPRESSION IN RAT RENAL PROXIMAL TUBULE CELLS

K. Deng, X.Y. Wang, D.F. He, L.D. Asico, J.M. Eisner, P.A. Jose, **C.Y. Zeng**

Hospital of Cardiology in Daping Hospital, The Third Military Medical University, China

HUMAN HDL CONTAINING A NOVEL APOLIPOPROTEIN (APOC-I) ISOFORM INDUCES SMOOTH MUSCLE CELL APOPTOSIS

C.J. McNeal, S. Chatterjee, **J. Hou**, L.S. Worthy, C.D. Lerner, R.D. Macfarlane, P. Alaupovic, R.W. Brocia

Johns Hopkins School of Medicine, Baltimore, MD, USA

INHIBITING NF-KB PATHWAY AND ACTIVATING PI3K/AKT SIGNALING BY MICRORNAS PROTECT THE MYOCARDIUM FROM ISCHEMIC INJURY

X. Wang, C. Lu, T. Ha, X. Zhang, R. Kao, J. Kalbfleisch, D. Williams, **C. Li**

College of Medicine, East Tennessee State University, Johnson City, TN, USA

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

ARE piRNAs KEY PLAYERS OF CARDIAC HYPERTROPHY AND HEART FAILURE?

**S. Ramasamy**, K. Shanmugha Rajan, G. Velmurugan

School of Biological Sciences, Madurai Kamaraj University, Madurai, Tamilnadu, India





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**P501 MOLECULAR AND CELLULAR CARDIOLOGY, BASIC AND TRANSLATIONAL RESEARCH (cont)**

GAB1 IS ESSENTIAL FOR CARDIOPROTECTION AGAINST ISCHEMIC/REPERFUSION INJURY

L. Sun, C. Chen, B. Jiang, X. Yang, R.L. Zhang, Y.Q. Huo, G.S. Feng, Y. Zhang, **J.C. Luo**

Institute of Molecular Medicine, Peking University, Beijing, China

PROTECTIVE ROLE OF GENISTEIN ON CARDIOMYOCYTE

**W-S. Hu**

Shuang Ho Hospital, Taiwan

PREVALENCE OF ANTIPLATELET DRUG RESISTANCE IN ASIAN COMMUNITY

**S.P. Ambalath**, G.V. Raghavan

Kims Hospital, Trivandrum, Kerala, India

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

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

**P502 PROGRESS IN ECHOCARDIOGRAPHY**

ECHOCARDIOGRAPHIC INDICES ASSOCIATED WITH THE PHENOTYPE OF FRAILITY

**S.M. Gharacholou**, T. Tashiro, S.S. Cha, P.Y. Takahashi

Mayo Clinic Health System, La Crosse, WI, USA

ANALYSIS OF VALVAR AND LEFT VENTRICULAR PARAMETERS IN INFECTIVE AORTIC ENDOCARDITIS AS PREDICTORS OF OUTCOME: A COMBINED ASSESSMENT BY TRANSESOPHAGEAL AND STRAIN ECHOCARDIOGRAPHY

A. Vitarelli, **L. Capotosto**, F. Caranci, I. D'Angeli, M. De Maio, R. Ashurov

Sapienza University, Rome, Italy

ENHANCEMENT OF PEAK AORTIC VELOCITY SIGNALS BY CONTRAST MICROBUBBLES

J.C. Westerdale, E. McMahon, **M. Katayama**, H.P. Chaliki, M. Belohlavek

Mayo Clinic Arizona, Scottsdale, AZ, USA



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**P502 PROGRESS IN ECHOCARDIOGRAPHY (cont.)**

ASSESSMENT OF LEFT AND RIGHT ATRIAL FUNCTION BY THREE-DIMENSIONAL SPECKLE TRACKING ECHOCARDIOGRAPHY FOLLOWING PERCUTANEOUS CLOSURE OF PATENT FORAMEN OVALE

A. Vitarelli, E. Mangieri, G. Tanzilli, **L. Capotosto**, A. Azzano, K. Mukred, M. De Maio, R. Ashurov

Sapienza University, Rome, Italy

RIGHT VENTRICULAR DYSFUNCTION AND DYSSYNCHRONY AFTER SURGICAL REPAIR OF TETRALOGY OF FALLOT: A THREE-DIMENSIONAL AND SPECKLE TRACKING ECHOCARDIOGRAPHIC STUDY

A. Vitarelli, F. Miraldi, I. D'Angeli, **L. Capotosto**, R. Ashurov, M. De Maio

Sapienza University, Rome, Italy

TWO-DIMENSIONAL AND THREE-DIMENSIONAL SPECKLE-TRACKING ECHOCARDIOGRAPHY IN THE ASSESSMENT OF LEFT AND RIGHT VENTRICULAR FUNCTION AFTER MITRACLIP IMPLANTATION IN FUNCTIONAL MITRAL REGURGITATION

A. Vitarelli, E. Mangieri, G. Tanzilli, **L. Capotosto**, R. Ashurov, M. De Maio

Sapienza University, Rome, Italy

CORRELATION OF LEFT ATRIAL APPENDAGE (LAA) INFLOW AND OUTFLOW VELOCITIES WITH THE CHADS2 AND CHA2DS2-VASC SCORES

C.B. Clark, **N. Telles**, C.H. Renner

Iowa Physicians Clinic Medical Foundation, Des Moines, Iowa, USA

ROLE OF SIMULATION IN ECHOCARDIOGRAPHY TRAINING IN CARDIOLOGY FELLOWS: A PILOT STUDY

**N. Sareen**, R. Adams, A. Ojha, K. Patel, W. Smith

St Joseph Mercy Oakland, Wayne State University, Pontiac, MI, USA

A META-ANALYSIS OF ASSOCIATION BETWEEN EPICARDIAL ADIPOSE TISSUE AND DIASTOLIC DYSFUNCTION

**P. Agasthi**, H.J. Willens, L. Tamariz

University of Miami, Miami, FL, USA



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**P502 PROGRESS IN ECHOCARDIOGRAPHY (cont.)**

BICUSPID AORTIC VALVE AND AORTIC ROOT MORPHOLOGY IN HISPANIC PATIENTS

**S.A. Horvath**, C.G. Mihos, H.M. Elmahdy, A.M. Pineda, J.P. Rodriguez-Escudero, O. Santana

Department of Internal Medicine at Mount Sinai Medical Center, Miami Beach, FL, USA

CHANGES IN LV SYSTOLIC FUNCTION AND DIMENSIONS AFTER AV FISTULA PLACEMENT

**S.M. Tariq**, J. Anderson, R. Dhignra, M. Gallichio, S.A. Fein, M. Torosoff  
Albany Medical Center, Albany, NY, USA

ANOMALOUS ORIGIN OF THE LEFT CORONARY ARTERY FROM THE PULMONARY TRUNK IN ASYMPTOMATIC ADOLESCENT ATHLETE. CASE REPORT

E. Vallejo, **K. Rojas**, C. Cely, D. Maldonado  
Universidad Libre-seccional, Cali, Columbia

3D TRANSESOPHAGEAL ECHOCARDIOGRAPHY IMPROVES LEFT ATRIAL APPENDAGE EVALUATION PRIOR TO CARDIOVERSION

**A. Ali**, J. Banchs, A. Haouzi  
Penn State University, Hershey, PA, USA

ACCURACY OF 2- DIMENSIONAL ECHOCARDIOGRAPHY AND 3- DIMENSIONAL ECHOCARDIOGRAPHY IN THE ASSESSMENT OF AORTIC ANNULAR DIAMETER IN PATIENTS UNDERGOING AORTIC VALVE REPLACEMENT USING VALVE SIZER AS A REFERENCE STANDARD

**A.A. Adiong**, V.F. Flores, E.S. Tucay, A.C. Macatanong  
Philippine Heart Center, Quezon City, Philippines

REDUCED EARLY DIASTOLIC MITRAL ANNULUS ACCELERATION BY TISSUE DOPPLER IMAGING IN GRADE I LEFT VENTRICULAR DIASTOLIC DYSFUNCTION

**R.M. Peters**  
ProHealthcare Associates, Lake Success, New York, USA



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**P503 ATRIAL FIBRILLATION AND STROKE PREVENTION**

THE PROARRHYTHMIC EFFECTS OF DRONEDARONE IN PATIENTS WITH PAROXYSMAL ATRIAL FIBRILLATION

**M.H. Hsieh**, W.T. Chen, Y.K. Lin, Y.J. Chen

Wan-Fang Hospital, Taipei Medical University, Taiwan

HOW IS THE QUALITY OF INR CONTROL FOR STROKE PREVENTION IN NON-VALVULAR ATRIAL FIBRILLATION IN CLINICAL PRAXIS?

**A. Martinez-Rubio**, M. Santalo-Corcay, E. Agut-Busquet, D. Valcarcel-Paz,

M. DiazNuila-Alcazar, M. Bonet-Alvarez, R. Flores-Clotet, J.C. Oliva-Morera

University Hospital of Sabadell (Univ. Autonoma de Barcelona), Sabadell, Spain

AGE AND GENDER COMPARISONS OF ATRIAL FIBRILLATION PREVALENCE IN PATIENTS WITH HYPERTENSION AND NORMAL BLOOD PRESSURE

**O.W. Odunukan**, P.A. Rahman, D. Roellinger, S. Cha, J.M. Naessens, S.J. Taler,

M.A. Nyman

Division of Cardiology, Mayo Clinic Jacksonville, FL, USA

ANTITHROMBOTIC THERAPY IN ELDERLY PATIENTS WITH ATRIAL FIBRILLATION: A SINGLE CENTER RETROSPECTIVE STUDY

W. Xiang, **M.L. Liu**, F. Liu, X.R. Feng, Y.C. Wang

First Hospital, Peking University, Beijing, China

OXYGEN UPTAKE IN PATIENTS WITH PERMANENT ATRIAL FIBRILLATION

**E.R. Berngardt**, N.I. Ananeva, T.V. Treshkur, E.V. Parmon

Federal Almazov Medical Research Centre, Saint-Petersburg, Russia

ELEVATED SERUM URIC ACID LEVELS AND DIASTOLIC DYSFUNCTION IN PATIENTS WITH ATRIAL FIBRILLATION CONVERTED TO SINUS RHYTHM

**J.O. Na**, S.K. Lee, C.U. Choi, H.E. Lim, J.W. Kim, E.J. Kim, S.W. Rha, C.G. Park,

H.S. Seo, D.J. Oh

Cardiovascular Center, Korea University Guro Hospital, Seoul, South Korea

ANGIOEDEMA: AN UNCOMMON BUT POTENTIALLY LIFE-THREATENING DRUG REACTION OF APIXIBAN

**A. Khan**, T. Aung, R. Bhagat, D. Mascarenhas, Easton Hospital, Pennsylvania, PA, USA

HEPATITIS C PATIENTS HAVE A HIGHER RISK OF ATRIAL FIBRILLATION

**H. Paydak**, N.V. Pothineni, S. Vallurupalli, J.L. Mehta

University of Arkansas for Medical Sciences, Little Rock, AR, USA



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**P503 ATRIAL FIBRILLATION AND STROKE PREVENTION (cont)**

INTEGRATED HOLTER MOTION SENSOR IS USEFUL FOR HEART RATE CONTROL IN PATIENTS WITH PERMANENT ATRIAL FIBRILLATION

**E.R. Berngardt**, N.I. Ananeva, T.V. Treshkur, E.V. Parmon  
Federal Almazov Medical Research Centre, Saint-Petersburg, Russia

OBSERVATIONAL STUDY OF THE CHARACTERISTICS AND MANAGEMENT OF PATIENTS ADMITTED WITH A PRIMARY DIAGNOSIS OF ATRIAL FIBRILLATION

**Z.S. Brewer**, M. Rawala, C. Velarde, M. Hamdan, R. Ali, R. Chahoud, S. Kemper, W.H. Carter, Charleston Area Medical Center, Charleston, WV, USA

SPONTANEOUS SUBDURAL HEMATOMA WHILE ON XARELTO (RIVAROXABAN)

**A. Kodali**, C.A. Hadadi, F. Elmi, Easton Hospital, Easton, PA, USA

**P504 HEART VALVE DISEASE – CAUSES, SYMPTOMS, DIAGNOSIS AND TREATMENT**

PREDICTED AND OBSERVED OUTCOMES OF MINIMALLY INVASIVE SURGERY FOR NATIVE AORTIC OR MITRAL VALVE INFECTIVE ENDOCARDITIS VIA A RIGHT MINI-THORACOTOMY APPROACH

**H.M. Elmahdy**, S.I. Gomez, C.G. Mihos, S.A. Horvath, A.M. Pineda, O. Santana, J. Lamelas  
Department of Internal Medicine at Mount Sinai Medical Center, Miami Beach, FL, USA

TRANSCUTANEOUS AORTIC VALVE REPLACEMENT UNDER FLUOROSCOPIC GUIDANCE AND LOCAL ANESTHESIA ONLY

**M. Greif**, P. Lange, C. Schmitz, M. D'Anastasi, C. Kupatt  
University of Munich, Department of Cardiology, Bayern, Germany

EFFECTS OF GENDER ON TRANSCATHETER AORTIC VALVE REPLACEMENT OUTCOMES

**S. Dsouza**, A. Elkhartbotly, A. Delago, M. El-Hajjar, B. Shkolnik, D. Adams, A. White, M. Riordan, M. Torosoff  
Albany Medical Center, Albany, NY, USA

DO EDWARD SAPIENS AND COREVALVE TRANSCATHETER DEVICES HAVE DIFFERENT PROCEDURE COMPLICATIONS FOR AORTIC VALVE REPLACEMENT? A META-ANALYSIS

**D. Garcia**, M. Ansari, R. Nascimento, J. Toussaint, C. Martinez, C. Alfonso, A. Heldman  
University of Miami/Jackson Memorial Hospital, Miami, FL, USA



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**P504 HEART VALVE DISEASE – CAUSES, SYMPTOMS, DIAGNOSIS AND TREATMENT (cont.)**

ASSOCIATION OF AORTIC VALVE CALCIFICATION AND EPICARDIAL FAT VOLUME  
**R. Koos**, V. Brandenburg, N. Marx, C. Kuhl, S. Reinartz, T. Dirrichs  
Department of Cardiology, RWTH Aachen University, Germany

IMPACT OF POSTOPERATIVE COMPLICATIONS ON LONG-TERM SURVIVAL IN ISOLATED AORTIC VALVE REPLACEMENT  
**J. Rubio Alvarez**, A. Granda Bauza, L. Reija Lopez, A. Narvaez, J.M. Martinez Cereijo, J. Sierra Quiroga, C. Rubio Taboada  
University Hospital Santiago de Compostela, Spain

AGE ADJUSTED MORTALITY RATE FROM AORTIC VALVE SURGERY SHOWED PERSISTENT REDUCTION IN THE UNITED STATE WITH ELIMINATION OF GENDER GAP IN RECENT YEARS  
**M.R. Movahed**, M. Hashemzadeh, M. Hashemzadeh  
CareMore Health Care Arizona, USA

HEMODYNAMIC IMPLICATIONS OF ATRIAL FIBRILLATION IN PATIENTS WHO UNDERGO TRANSCATHETER AORTIC VALVE IMPLANTATION  
**C. Chu**, V. Malik, R. Tayal  
Newark Beth Israel Medical Center, Newark, NJ, USA

OBESITY AND OUTCOMES IN NORTH-AMERICAN PATIENTS TREATED WITH TRANSCATHETER AORTIC-VALVE REPLACEMENT  
**M. Riordan**, A. Elkhartbotly, A. Delago, M. El-Hajjar, A. Padala, B. Shkolnik, S. Dsouza, M. Torosoff  
Albany Medical Center, Albany, NY, USA

OUR APPROACH TO SURGERY OF THE AORTIC ROOT ABSCESS: A 15-YEARS EXPERIENCE  
Y. Ozen, S. Sarikaya, O. Altas, E. Aksoy, E. Kafali, **K. Kirali**  
Kosuyolu Heart Training and Research Hospital, Istanbul, Turkey

INCIDENCE AND PREDICTORS OF PERMANENT PACEMAKER IMPLANTATION AFTER VALVE SURGERY- A SINGLE CENTRE EXPERIENCE  
**B. Ayub**, Y. Nawaz, H. Saif, J. Guthier, M. Weiss, T. Phillips, J. Wu, R. Singer, R. Freudenberger, R. Malacoff  
Abington Memorial Hospital, Abington, PA, USA





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**P504 HEART VALVE DISEASE – CAUSES, SYMPTOMS, DIAGNOSIS AND TREATMENT (cont.)**

THE OPTIMAL CHOICE OF AVR PROSTHESIS AT AGE 60- WARFARIN OR REOPERATION

**S. Aranki**, M. Yammine, T. Kaneko

Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA

NEW LBBB FOLLOWING TRANSCATHETER SAPIEN VALVE: INSIGHT INTO MECHANISMS

**L. Jiang**, G. Valania, W. Hiser, A. M. Islam

Baystate Medical Center, Tufts University, MA, USA

VALVE SPARING AORTIC ROOT RE-IMPLANTATION (DAVID V PROCEDURE): EARLY AND MIDTERMS RESULTS OF OUR CLINIC

S. Sarikaya, **K. Kirali**, Y. Ozen, A. Elibol, E. Basaran

Kartal Kosuyolu Heart Education and Research Hospital, Istanbul, Turkey

LEFT ATRIAL MYXOMA PRESENTING AS PAROXYSMAL ATRIAL FIBRILLATION

**M.A. Zulqarnain**, A. Ahmed, W. Ahmed, S. Zackria, A. Zaidi

Canton Medical Education Foundation, Canton, OH, USA

VALVULAR MIGRATION AFTER TRANSCATHETER AORTIC VALVE IMPLANTATION: A CASE SERIES

**C. Chu**

Newark Beth Israel Medical Center, Newark, NJ, USA

**P505 PREDICTORS AND MARKERS OF HEART FAILURE OUTCOME**

THE DRIER THE BETTER: DOES RISING CREATININE FOLLOWING ULTRAFILTRATION IN ACUTE DECOMPENSATED HEART FAILURE PREDICT READMISSION?

**S. Desai**, S.K. Desai, R. Gerkin, A. Khurana, A. Loli

Banner Good Samaritan Medical Center, Phoenix, AZ, USA

COMPARISON OF HOSPITAL READMISSION RATES IN HEART FAILURE PATIENTS WITH REDUCED VS. PRESERVED LEFT VENTRICULAR EJECTION FRACTION

**I. Abramova**, E.S. Shlofmitz, J. Guo, K. Lee, W.S. Malik, K. Zalewski, C. Weinberg, C. Keane, T.C. Kerwin

New York Hospital Queens, Weill Medical College, Flushing, NY, USA



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**P505 PREDICTORS AND MARKERS OF HEART FAILURE OUTCOME (cont.)**

A TEAM BASED STRATEGY TO MANAGE HIGH RISK HEART FAILURE PATIENTS IN A LARGE URBAN HEALTHCARE DELIVERY MODEL

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INCIDENCE, RISK FACTORS, AND OUTCOME OF ACUTE DECOMPENSATED HEART FAILURE (ADHF) SUPERIMPOSED ACUTE EXACERBATION OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE (AECOPD)

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EFFECT OF CARE TRANSITION INTERVENTIONS ON DIFFERENT HEART FAILURE PATIENT SUBGROUPS, DEFINED BY UNDERLYING ETIOLOGY: ARE THERE IDENTIFIABLE SUBGROUPS MORE LIKELY TO BENEFIT?

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PREDICTORS AND OUTCOME OF WORSENING RENAL FUNCTIONS IN PATIENTS ADMITTED WITH ACUTE DECOMPENSATED HEART FAILURE

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IMPACT OF ECHO-GUIDED MEDICATION OPTIMIZATION IN PATIENTS WITH CHRONIC HEART FAILURE

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FACTORS AFFECTING CARDIO-RENAL SYNDROME AND OUTCOMES IN ACUTE CONGESTIVE HEART FAILURE PATIENTS

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