

**OC:** OPENING CEREMONY

Chair: **John A. Elefteriades**, USA

GREETINGS

**Asher Kimchi**, USA

Founder and Chairman

International Academy of Cardiology

**John A. Elefteriades**, USA

Chair, Scientific Executive Committee

Chair, Section of Cardiovascular Surgery

International Academy of Cardiology

**Jeffrey S. Borer**, USA

Member, Scientific Executive Committee

Chair, Section of Valvular Heart Disease

International Academy of Cardiology

**Naranjan S. Dhalla**, Canada

Member, Scientific Executive Committee

Chair, Section of Molecular Cardiology

International Academy of Cardiology

**Garwood Gee**, USA

President, California Chapter

American College of Cardiology

**Samia Mora**, USA

Member, Scientific Executive Committee

Chair, Section of Preventive Cardiology

International Academy of Cardiology

PRESENTATION OF 2017 AWARDS

**John A. Elefteriades**, USA

**Jeffrey S. Borer**, USA

## FRIDAY, JULY 14, 2017

09:45 – 10:15

Hall A

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

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

Abstract No.

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

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

10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

## FRIDAY, JULY 14, 2017

10:45 – 12:45

Hall A

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

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

Abstract No

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

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

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

Abstract No

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

## FRIDAY, JULY 14, 2017

10:45 – 13:15

Hall B

**PL02 Plenary Session**

**INSIGHTS FROM MULTIMODALITY CARDIOVASCULAR IMAGING (cont.)**

Abstract No

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

## FRIDAY, JULY 14, 2017

10:45 – 13:00

Hall C

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

## FRIDAY, JULY 14, 2017

08:00 – 13:00

Poster Hall

### P101 VASCULAR BIOLOGY, BASIC RESEARCH

Board No.

Abstract No.

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

### P102 CARDIOVASCULAR PHARMACOLOGY AND DRUG THERAPY

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

### P103 EXERCISE PHYSIOLOGY; BASIC AND CLINICAL

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

## FRIDAY, JULY 14, 2017

08:00 – 13:00

Poster Hall

### P104 SYSTEMIC AND PULMONARY HYPERTENSION

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

### P105 CHRONIC KIDNEY DISEASE AND CARDIOVASCULAR DISEASE

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

### P106 PEDIATRIC CARDIOLOGY AND CONGENITAL HEART DISEASE

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



## FRIDAY, JULY 14, 2017

08:00 – 13:00

Poster Hall

### P106 CARDIOLOGY AND CONGENITAL HEART DISEASE (cont.)

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

### P107 MEASUREMENT OF OUTCOME AND QUALITY OF CARDIOVASCULAR CARE

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

## FRIDAY, JULY 14, 2017

14:00 – 16:00

Hall A

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

## FRIDAY, JULY 14, 2017

14:00 – 16:45

Hall A

### PL05 Plenary Session

#### CARDIAC ARRHYTHMIAS AND SUDDEN DEATH

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

Abstract No.

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

## FRIDAY, JULY 14, 2017

14:00 - 16:15

Hall C

**PL06 Plenary Session**

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

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

Abstract No.

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

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

## FRIDAY, JULY 14, 2017

16:30 – 17:45

Hall B

S22

**Session**

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

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

Abstract No.

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

**S23**

**Session**

**MOLECULAR CARDIOLOGY AND VASCULAR BIOLOGY, BASIC RESEARCH**

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

Abstract No.

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



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

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



**SCIENTIFIC  
PROGRAM**

**SCIENTIFIC  
PROGRAM**

**Saturday, July 15, 2017**



## SATURDAY, JULY 15, 2017

08:30 – 10:30

Hall A

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

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

Abstract No.

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

## SATURDAY, JULY 15, 2017

08:30 – 10:15

Hall B

**PL08 Plenary Session**

**INFLAMMATION AND CARDIOVASCULAR DISEASE: FROM PATHOGENESIS TO THERAPEUTIC TARGET**

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

Abstract No.

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

## SATURDAY, JULY 15, 2017

08:30 – 10:45

Hall C

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

## SATURDAY, JULY 15, 2017

11:00 – 13:15

Hall A

**PL09 Plenary Session**

**IDENTIFICATION AND MODIFICATION OF NOVEL RISK FACTORS FOR CARDIOVASCULAR DISEASES**

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

Abstract No.

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

## SATURDAY, JULY 15, 2017

11:00 – 13:00

Hall B

**PL10 Plenary Session**  
**HEMODYNAMICS, INTERVENTIONAL CARDIOLOGY AND SURGICAL TREATMENT**

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

Abstract No.

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

## SATURDAY, JULY 15, 2017

11:00 - 13:15

Hall C

### PL11 Plenary Session

#### IMPROVING UNDERSTANDING, TREATMENT AND OUTCOME IN ATRIAL FIBRILLATION

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

Abstract No.

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

## SATURDAY, JULY 15, 2017

08:00 – 13:00

Poster Hall

### P201 ECHOCARDIOGRAPHY

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

### P203 ACUTE MYOCARDIAL INFARCTION, REPERFUSION THERAPY

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

## SATURDAY, JULY 15, 2017

08:00 – 13:00

Poster Hall

### P203 ACUTE MYOCARDIAL INFARCTION, REPERFUSION THERAPY (cont.)

Board No.

Abstract No.

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

### P204 PERICARDIAL DISEASE

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

### P205 ELECTROPHYSIOLOGY, SUDDEN DEATH, ARRHYTHMIAS AND DEVICE THERAPY

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



## SATURDAY, JULY 15, 2017

08:00 – 13:00

Poster Hall

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

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

## SATURDAY, JULY 15, 2017

08:00 – 13:00

Poster Hall

### P207 PERIPHERAL ARTERY DISEASE AND AORTIC DISEASE

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

### P208 MISCELLANEOUS

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

## SATURDAY, JULY 15, 2017

14:00 - 16:15

Hall A

**PL12 Plenary Session**

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

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

Abstract No.

- |       |  |     |
|-------|--|-----|
| 14:00 | PROTECTION OF DIABETIC HEART WITH PDE5 INHIBITION AND HYDROXYCHLOROQUINE<br>R. Wang, L. Xi, <b>R.C. Kukreja</b> (Invited Lecture)<br>Virginia Commonwealth University, Richmond VA, USA  | 184 |
| 14:15 | DAPAGLIFLOZIN ATTENUATES DIABETIC CARDIOMYOPATHY AND THE ACTIVATION OF THE NLRP3/ASC INFLAMMASOME IN MICE WITH TYPE-2 DIABETES:<br>A GLUCOSE-LOWERING AND SGLT-2 INDEPENDENT EFFECT (Invited Lecture)<br>Y. Ye, M. Bajaj, Y. Hsiu-Chiung, J.R. Perez-Polo, <b>Y. Birnbaum</b><br>UTMB, Galveston, Texas, USA | 185 |
| 14:30 | CO2 WATER-BATH AS A NOVEL THERAPY FOR THE TREATMENT OF PERIPHERAL ARTERY DISEASE IN DIABETES (Invited Lecture)<br><b>N.S. Dhalla</b> , Y.J. Xu, V. Elimban<br>Rady Faculty of Health Sciences, University of Manitoba, Winnipeg, Canada  | 186 |
| 14:45 | CARDIOVASCULAR MECHANISMS OF EXERCISE INTOLERANCE IN DIABETES AND THE ROLE OF SEX (Invited Lecture)<br><b>J.G. Regensteiner</b> , M. Cree-Green, D. Rafferty, T.A. Bauer, J.E.B. Reusch<br>University of Colorado School of Medicine, Aurora, Colorado, USA  | 187 |
| 15:00 | AGING AND OBESITY (Invited Lecture)<br><b>B.I. Jugdutt</b><br>University of Alberta, Edmonton, Alberta, Canada   | 188 |
| 15:15 | ROLE OF THE ADIPOKINE OMENTIN IN CARDIOVASCULAR DISEASE (Invited Lecture)<br><b>N. Ouchi</b><br>Nagoya University Graduate School of Medicine, Nagoya, Japan   | 189 |
| 15:30 | REVASCULARIZATION IN PATIENTS WITH DIABETES MELLITUS: OPTIMAL APPROACH IN 2017 (Invited Lecture)<br><b>G.W. Barsness</b><br>Mayo Clinic, Rochester, MN, USA  | 190 |
| 15:45 | CLINICAL SIGNIFICANCE OF EXAGGERATED BLOOD PRESSURE (Invited Lecture)<br><b>P. Kokkinos</b><br>Veterans Affairs Medical Center, Washington, DC, Georgetown University School of Medicine, George Washington University School, University of South Carolina, USA   | 191 |
| 16:00 | mTOR SIGNALING IN DIABETES AND MYOCARDIAL INFARCTION (Invited Lecture)<br><b>A. Das</b><br>Virginia Commonwealth University, Richmond, Virginia, USA   | 192 |
| 16:15 | COFFEE BREAK, VISIT EXHIBITION   |     |

## SATURDAY, JULY 15, 2017

14:00 – 16:45

Hall B

**PL13 Plenary Session**

**VASCULAR REMODELING AND CARDIAC REGENERATION AND REPAIR**

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

Abstract No.

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

## SATURDAY, JULY 15, 2017

14:00 – 16:45

Hall C

S25

### Session

### ARRHYTHMIA I: DIAGNOSIS, DRUG THERAPY, ABLATION

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

Abstract No.

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

## SATURDAY, JULY 15, 2017

14:00 – 16:45

Hall C

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

Abstract No.

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

## SATURDAY, JULY 15, 2017

16:30 – 18:15

Hall A

S26

### Session

### CARDIOVASCULAR DISEASE PREVENTION AND RISK MANAGEMENT

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

Abstract No.

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

## SATURDAY, JULY 15, 2017

17:00 – 19:15

Hall B

S27

### Session

### ACUTE CORONARY SYNDROME: DETECTION, PREVENTION AND TREATMENT

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

Abstract No.

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



## SATURDAY, JULY 15, 2017

17:00 – 19:15

Hall B

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

Abstract No.

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

## SATURDAY, JULY 15, 2017

17:00 – 19:30

Hall C

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

## SATURDAY, JULY 15, 2017

17:00 – 19:30

Hall C

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

Abstract No.

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



INTERNATIONAL  
ACADEMY OF  
CARDIOLOGY

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

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



**SCIENTIFIC  
PROGRAM**

**SCIENTIFIC  
PROGRAM**

**Sunday, July 16, 2017**

## SUNDAY, JULY 16, 2017

08:30 – 11:00

Hall A

**PL14 Plenary Session**

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

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

Abstract No.

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

# SUNDAY, JULY 16, 2017

08:30 – 11:00

Hall A

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

Abstract No.

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

250

11:00     COFFEE BREAK, VISIT POSTERS AND EXHIBITION

## SUNDAY, JULY 16, 2017

08:30 – 11:15

Hall B

**PL15 Plenary Session**

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

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

Abstract No.

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

## SUNDAY, JULY 16, 2017

08:30 – 11:15

Hall B

**PL15 Plenary Session**

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

Abstract No.

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



## SUNDAY, JULY 16, 2017

08:30 – 10:45

Hall C

S29

### Session

### ADVANCES IN INTERVENTIONAL CARDIOLOGY

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

Abstract No.

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

**S30**

**Session**

**HEART FAILURE: PREDICTORS, NEW TREATMENT OPTIONS AND OUTCOME**

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

Abstract No.

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

## SUNDAY, JULY 16, 2017

11:30 – 13:15

Hall B

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

## SUNDAY, JULY 16, 2017

11:00 - 13:15

Hall C

**S32 Session**

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

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

Abstract No.

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

**P301 MOLECULAR AND CELLULAR CARDIOLOGY, BASIC RESEARCH**

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

**P302 LIPIDS, OBESITY, METABOLIC SYNDROME AND DIABETES**

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

**P303 HEART DISEASE IN WOMEN**

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

**P304 ACUTE CORONARY SYNDROMES, INTERVENTIONAL THERAPIES**

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

**P304 ACUTE CORONARY SYNDROMES, INTERVENTIONAL THERAPIES (cont.)**

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

**P305 VALVULAR HEART DISEASE / TRANSCATHETER THERAPY**

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



**P306 CARDIOMYOPATHY AND HEART FAILURE: DIAGNOSIS AND MANAGEMENT**

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