



INTERNATIONAL
ACADEMY OF
CARDIOLOGY

INTERNATIONAL ACADEMY OF CARDIOLOGY
ANNUAL SCIENTIFIC SESSIONS 2016
21st WORLD CONGRESS ON
HEART DISEASE

BOSTON, MA, USA, JULY 30-AUGUST 1, 2016

SCIENTIFIC
PROGRAM

Saturday, July 30, 2016

SCIENTIFIC PROGRAM



OC: OPENING CEREMONY

Chair: **Jeffrey S. Borer**, USA

GREETINGS

Asher Kimchi, USA

Founder and Chairman

International Academy of Cardiology

Jeffrey S. Borer, USA

Chairman, Scientific Executive Committee

Chairman, Section of Valvular Heart Disease

International Academy of Cardiology

John A. Elefteriades, USA

Member, Scientific Executive Committee

Chairman, Section of Cardiovascular Surgery

International Academy of Cardiology

Naranjan S. Dhalla, Canada

Member, Scientific Executive Committee

Chairman, Section of Molecular Cardiology

International Academy of Cardiology

Nathan D. Wong, USA

Member, Scientific Executive Committee

Chairman, Section of Preventive Cardiology

International Academy of Cardiology

Laurence Sperling, USA

Member, Scientific Executive Committee

Chairman, Section of Preventive Cardiology

International Academy of Cardiology

PRESENTATION OF 2016 AWARDS

Jeffrey S. Borer, USA

John A. Elefteriades, USA

SATURDAY, JULY 30, 2016

09:40 – 10:15

Hall A

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

Chair: **N.K. Wenger**, Atlanta, GA, USA

Abstract No.

09:40 INTRODUCTION
N.K. Wenger, Atlanta, GA, USA

09:45 THE WAR ON HEART FAILURE (Invited Lecture) **001**
E. Braunwald
Brigham and Women's Hospital, Boston, MA, USA

10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

10:45 – 13:15

Hall A

PL01 Plenary Session
HEART FAILURE: NOVEL APPROACHES FOR DIAGNOSIS AND TREATMENT

Chairs: **J.D. Marsh**, Little Rock, AR, USA
F.G. Spinale, Columbia, SC, USA

10:45 CLINICAL GENETICS OF DILATED CARDIOMYOPATHY- TESTING WISELY **002**
(Invited Lecture)
J.D. Marsh
University of Arkansas for Medical Sciences, Little Rock, AR, USA

11:00 THE CANCER ASSOCIATED FIBROBLAST AND THE HEART FAILURE **003**
ASSOCIATED FIBROBLAST- SIMILAR PHENOTYPE, SIMILAR PATHWAYS
LEADING TO POTENTIALLY SIMILAR TREATMENT (Invited Lecture)
F.G. Spinale
USC School of Medicine and WJB Dorn VA, Columbia, SC, USA

11:15 REGENERATIVE MEDICINE 2.0 (Invited Lecture) **004**
L.W. Miller
Morgan Heart Institute, Clearwater, FL, USA

11:30 THYROID HORMONE TREATMENT OF HEART FAILURE: IS THERE A **005**
THERAPEUTIC WINDOW? (Invited Lecture)
A. Martin Gerdes
New York Institute of Technology-College of Osteopathic Medicine,
Old Westbury, NY, USA

SATURDAY, JULY 30, 2016

10:45 – 13:15

Hall A

PL01 Plenary Session

HEART FAILURE: NOVEL APPROACHES FOR DIAGNOSIS AND TREATMENT (cont.)

Abstract No.

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|-------|---|-----|
| 11:45 | ALCOHOL CONSUMPTION AND INCIDENCE OF HEART FAILURE IN MEN WITH CORONARY ARTERY DISEASE (Invited Lecture) L. Djousse , J.M. Gaziano Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA | 006 |
| 12:00 | 30-DAY ALL-CAUSE HOSPITAL READMISSION IN HEART FAILURE: FINDINGS FROM PROPENSITY SCORE MATCHED STUDIES (Invited Lecture) A. Ahmed The Washington DC VA Medical Center, MD, USA | 007 |
| 12:15 | EFFECTIVENESS OF REMOTE PATIENT MONITORING AFTER DISCHARGE OF HOSPITALIZED PATIENTS WITH HEART FAILURE: THE BETTER EFFECTIVENESS AFTER TRANSITION-HEART FAILURE (BEAT-HF) RANDOMIZED CLINICAL TRIAL (Invited Lecture) M.K. Ong , P.S. Romano, S. Edgington, A.D. Auerbach, J.T. Black, J.J. Escarce, T.G. Ganiats, S. Greenfield, A. Kimchi, G.C. Fonarow University of California, Los Angeles, CA, USA | 008 |
| 12:30 | INDUCTION OF ENDOGENOUS T REGULATORY CELLS IS EFFECTIVE IN TREATING HEART FAILURE AND HEART FAILURE-INDUCED LUNG REMODELING (Invited Lecture) A. Chen, H. Wang, L. Hou, Y. Chen University of Minnesota Medical School, Minneapolis, MN, USA | 009 |
| 12:45 | SIRTUINS AS REGULATORS OF MITOCHONDRIAL FITNESS AND EVOLUTION OF HEART FAILURE (Invited Lecture) M.P. Gupta University of Chicago, Chicago, IL, USA | 010 |
| 13:00 | MONTREAL COGNITIVE ASSESSMENT IS SUPERIOR TO STANDARDIZED MINI-MENTAL STATUS EXAM IN DETECTING MILD COGNITIVE IMPAIRMENT IN HEART FAILURE (Invited Lecture) K. Alagiakrishnan , D. Mah, J. Dyck, A. Senthilselvan, J. Ezekowitz University of Alberta, Edmonton, Alberta, Canada, | 011 |
| 13:15 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION | |

SATURDAY, JULY 30, 2016

10:45 – 13:00

Hall B

PL02 Plenary Session
ADVANCES IN CARDIOVASCULAR IMAGING THAT WILL IMPACT PATIENT CARE

Chairs: **D.S. Berman**, Los Angeles, CA USA
J.J. Mahmarian, Houston, TX, USA

Abstract No.

- 10:45 OPTIMIZING EVALUATION OF PATIENTS WITH LOW TO INTERMEDIATE RISK ACUTE CHEST PAIN: WHAT IS THE RELATIVE VALUES OF STRESS MYOCARDIAL PERFUSION IMAGING WHEN INCORPORATING STRESS-ONLY IMAGING VERSUS CARDIAC COMPUTED TOMOGRAPHY (Invited Lecture) **012**
J.J. Mahmarian
Houston Methodist DeBakey Cardiology Associates, Houston, TX, USA
- 11:00 PET AND CT ASSESSMENT OF CORONARY FLOW PHYSIOLOGY (Invited Lecture) **013**
D.S. Berman, M. Motlagh, D. Dey, J.D. Friedman, S.W. Hayes, L.E.J. Thomson, L. Shaw, B.K. Tamarappoo, G. Germano, P. Slomka
Cedars-Sinai, Los Angeles, California USA
- 11:15 NOVEL METHODS OF ISCHEMIA EVALUATION BY COMPUTED TOMOGRAPHY (Invited Lecture) **014**
J.K. Min
Weill Cornell Medicine, Dalio Institute of Cardiovascular Imaging, New York, NY, USA
- 11:30 ECHOCARDIOGRAPHIC ASSESSMENT OF LEFT VENTRICULAR DIASTOLIC FUNCTION: AN UPDATE (Invited Lecture) **015**
S.F. Nagueh Armanious
Methodist DeBakey Heart and Vascular Center, Houston, TX, USA
- 11:45 SELECTING BETWEEN CORONARY CTA VERSUS FUNCTIONAL TESTING: DOES IT MAKE A DIFFERENCE? (Invited Lecture) **016**
R. Blankstein
Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA
- 12:00 LOOKING INTO HIGH-RISK PLAQUE AND DES BIOLOGY: HIGH-SPEED INTEGRATED OCT-NIRF (Invited Lecture) **017**
J.W. Kim, Korea University Guro Hospital, Seoul, South Korea
- 12:15 PET/CT-DETERMINED PERFUSION AND CORONARY FLOW IN CLINICAL ROUTINE (Invited Lecture) **018**
T.H. Schindler, Johns Hopkins University, Baltimore, MD, USA
- 12:30 ROLE OF CAC TESTING IN 2016: SHARED DECISION MAKING FOR INFORMED CHOICES (Invited Lecture) **019**
K. Nasir, Baptist Health South Florida, Miami, FL, USA
- 12:45 COMPUTED TOMOGRAPHY ANGIOGRAPHY VS. CORONARY ANGIOGRAPHY: A 3D VESSEL FEATURE COMPARISON AND VALIDATION (Invited Lecture) **020**
J.A. Garcia, Orlando Health, Orlando, FL, USA
- 13:00 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

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| PL03 | | Plenary Session | |
| | | CELLULAR AND MOLECULAR MECHANISMS OF CARDIOVASCULAR DISEASES: FROM BASIC RESEARCH TO TRANSLATIONAL MEDICINE | |
| Chairs: | | K. Maiese , Newark, NJ, USA | |
| | | K.N. Pandey , New Orleans, LA, USA | |
| | | | Abstract No. |
| 10:45 | TRANSLATING VASCULAR BIOLOGY INTO CLINICAL CARE FOR CARDIOLOGY (Invited Lecture) | K. Maiese Rutgers University of Medicine & Dentistry of New Jersey, Cellular and Molecular Signaling, Newark, NJ, USA | 021 |
| 11:00 | GENETIC BASIS OF CARDIAC DYSFUNCTION: PROTECTIVE ROLE OF ALL-TRANS RETINOIC ACID AND HISTONE DEACETYLASE INHIBITOR (Invited Lecture) | K.N. Pandey , U. Subramanian, P. Kumar, I. Mani, I. Kessler, R. Raghavaraju Tulane University Health Sciences Center, New Orleans, LA, USA | 022 |
| 11:15 | FINDING NOVEL ANTI-FIBROTIC THERAPIES USING A DUAL-REPORTER MOUSE THAT TRACKS FIBROBLAST CELL TRANSITIONS IN VIVO AND IV VITRO (Invited Lecture) | C.S. Long , V. Martinelli, S. Zacchigna University of Colorado, Denver, CO, USA | 023 |
| 11:30 | INCREASED M2 MACROPHAGES REDUCES PRO-INFLAMMATORY CYTOKINES IN ATHEROSCLEROSIS (Invited Lecture) | D.K. Singla University of Central Florida, Orlando, FL, USA | 024 |
| 11:45 | EXTRACELLULAR MATRIX TURNOVER IN VASCULAR CALCIFICATION (Invited Lecture) | W. Kong Peking University Health Science Center, Beijing, China | 025 |
| 12:00 | PLAQUE LYMPHANGIOGENESIS: TO DRAIN OR NOT TO DRAIN (Invited Lecture) | M. Kietasidorn, T. Rademakers, M. Manca, E. van der Vorst, K. Alitalo, J. Sluimer, A. Noel, E. Biessen Maastricht University, Maastricht, Netherlands | 026 |
| 12:15 | GENOME-WIDE IDENTIFICATION AND CHARACTERIZATION OF CARDIAC HYPERTROPHY-RELATED LONG NONCODING RNAs (CH-LNCRNAs) IN MICE (Invited Lecture) | D-Z. Wang , Z-P. Wang Boston Children's Hospital, Harvard Medical School, Boston, MA, USA | 027 |
| 12:30 | SHORT AND LONG NON-CODING RNAs AS BIOMARKERS OF ACUTE CARDIAC CONDITIONS (Invited Lecture) | Y. Devaux Luxembourg Institute of Health, Luxembourg | 028 |

SATURDAY, JULY 30, 2016

10:45 – 13:30

Hall C

PL03 Plenary Session

CELLULAR AND MOLECULAR MECHANISMS OF CARDIOVASCULAR DISEASES: FROM BASIC RESEARCH TO TRANSLATIONAL MEDICINE (cont.)

Abstract No.

- 12:45 TARGETING THE HEART UTILIZING A NOVEL CELL PENETRATING PEPTIDE (Invited Lecture) **029**
M. Zahid
University of Pittsburgh, Pittsburgh, PA, USA
- 13:00 DECIPHERING THE ROLE OF MITOPHAGY IN THE HEART DURING FASTING (Invited Lecture) **030**
Q. Liang
New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA
- 13:15 DOES CYSTATIN SN INFLUENCE ON CYSTATIN C LEVEL IN ISCHEMIA AND PREVIOUS MYOCARDIAL INFARCTION? (Invited Lecture) **031**
N.V. Goncharova, G.S. Russkikh, M.M. Gevorgyan, N.P. Voronina, Ts.P. Korolenko, N.A. Kikhtenko, **T.A. Korolenko**
Institute Physiol. Fund. Med., Novosibirsk, Russia
- 13:30 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

10:45 – 12:45

Hall D

S21 INTERVENTIONAL CARDIOLOGY

Chairs: **J. Golledge**, Townsville, Queensland, Australia
B.F. Uretsky, Little Rock, AR, USA

Abstract No.

- 10:45 CLINICAL DECISION-MAKING USING FRACTIONAL FLOW RESERVE IN ACUTE CORONARY SYNDROMES (Invited Lecture) **032**
B.F. Uretsky, University of Arkansas for Medical Sciences, Little Rock, AR, USA
- 11:00 EXPEDITIOUS REPERFUSION IN NON-ST SEGMENT ELEVATION MYOCARDIAL INFARCTION: A SINGLE CENTER TEN YEAR EXPERIENCE **033**
K. Shetabi, R. Patel, R. Ullah, T. Siddiqua, T. Wilson, S. Olet, K.A. Ammar, S. Allaqaband, T. Bajwa, M.F. Jan
Aurora Health Care, Milwaukee, WI, USA
- 11:15 EARLY ANTIPLATELET THERAPY UPGRADE IN STEMI PATIENTS TREATED WITH PRIMARY PCI **034**
A. Lupi, M. Lazzeri, A. Rognoni, C. Cavallino, A.S. Bongo
AOU Maggiore della Carita', Novara, Italy

SATURDAY, JULY 30, 2016

10:45 – 12:45

Hall D

S21 INTERVENTIONAL CARDIOLOGY (cont.)

Abstract No.

- 11:30 BIODEGRADABLE POLYMER DRUG ELUTING STENT: EFFICACY AND SAFETY WITH SHORT REGIMEN OF ANTIPLATELET THERAPY **035**
L.A. Iñigo-Garcia, F.J. Martinez-Garcia, A. Milan-Pinilla, A. Valle-Alberca, L. Fernandez-Lopez, V.V. Traverso-Castilla, A. Delgado-Aguilar, R. Bravo-Marques, A. Ramirez-Moreno, J. R Siles-Rubio
Hospital Costa del Sol, Marbella, Spain
- 11:45 SYSTEMATIC REVIEW OF THE UTILITY OF THROMBUS ASPIRATION IN PATIENTS WITH STEMI UNDERGOING PRIMARY PCI **036**
A. Ivanov, **B.H. Subedi**, T.R. Patel, S. Khan, J.F. Heitner, S.J. Brener
NY Methodist Hospital, Brooklyn, NY, USA
- 12:00 DOES AN UPRIGHT T WAVE IN LEAD V1 PREDICT SIGNIFICANT CORONARY ARTERY DISEASE? **037**
I. Suen, N. Sablani, M. Iskandir, B. Simmons, S. Talebi, R. Chirurgi, G. Fernaine, G.W. Hassen
St. George's University School of Medicine, Grenada, West Indies
- 12:15 DUAL ANTIPLATELET THERAPY AFTER CORONARY ARTERY BYPASS GRAFTING IN THE SETTING OF ACUTE CORONARY SYNDROME **039**
M. Agarwal, R. Bomb, C.S. Oliphant, R.N. Khouzam
University of Tennessee Health Science Center, Memphis, TN, USA
- 12:30 ST ELEVATED MYOCARDIAL INFARCTION AS AN EPIPHENOMENON OF NON CARDIOVASCULAR DISEASE **040**
J.M. Telayna, J.M. Telayna (h), R.A. Costantini
Hospital Universitario Austral, Buenos Aires, Argentina
- 12:45 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

SATURDAY, JULY 30, 2016

08:00 – 13:00

Poster Hall

P101 GENETICS OF CARDIOVASCULAR DISEASES

Board No.

Abstract No.

- 1 BETA3-ADRENOCEPTOR GENE EXPRESSION IN RAT ADIPOSE TISSUE IN RESPONSE TO REPEATED IMMUNE CHALLENGE **041**
A. Csanova, M. Pokusa, D. Jezova
Biomedical Research Center Slovak Academy of Sciences, Bratislava, Slovak Republic
- 2 VALIDATED GENETIC BIOMARKERS FOR PREDICTION OF INDIVIDUAL RISK OF MYOCARDIAL INFARCTION IN RUSSIANS **042**
G.Z. Osmak, D. Lvovs, B.V. Titov, N.A. Matveeva, R.M. Shakhnovich, T.R. Nasibullin, O.E. Mustafina, **A.V. Favorov**, M. Ya Ruda, O.O. Favorova
Russian Cardiology Scientific and Production Center, Moscow, Russia

P102 PREVENTION OF CORONARY ARTERY DISEASE / RISK FACTORS FOR ATHEROTHROMBOTIC DISEASE

- 3 ACUTE EFFECTS OF AIR POLLUTION ON CARDIOVASCULAR DISEASE **044**
S-W Yang, **H-R Guo**
National Cheng Kung University, Tainan, Taiwan
- 4 RELATIONSHIP BETWEEN FAMILY HISTORY OF CARDIOVASCULAR DISEASE ON CORONARY CALCIUM SCORE **045**
S. Saberian, S. Banga, S. Mungee, K. Wattanakit
OSF St. Francis Medical Center, University of Illinois College of Medicine at Peoria, IL, USA
- 5 EPIDEMIOLOGY OF LOW-DOSE ASPIRIN USE FOR PRIMARY AND SECONDARY PREVENTION OF CARDIOVASCULAR DISEASE **046**
M.E. Stuntz
Deerfield Institute, New York, NY, USA
- 6 DEVELOPMENT OF A HEALTH PROMOTION MODEL GUIDED LIFESTYLE INTERVENTION PROGRAM FOR ADULTS WITH METABOLIC SYNDROME **047**
Q. Wang, S.Y. Chair, E.M.L. Wong
The Nethersole School of Nursing, Faculty of Medicine, The Chinese University of Hong Kong
- 7 KNOWLEDGE OF HEART DISEASE IN FEMALE AND MALE COLLEGE STUDENTS **048**
M. Granieri, C. Bavishi, A. Koulova, J.P. Cordova, J. Tamis-Holland
Mt. Sinai St. Luke's Hospital, New York, NY, USA
- 8 PATTERNS OF REFERRAL AND IMMEDIATE CLINICAL IMPACT OF CORONARY ARTERY CALCIUM SCORING **049**
A. Quddus, A. Smith, M. Mclane, S. Agrawal, A. Sinha, D. Prutzman, J. Shirani, F. Burt
St. Luke's University Health Network, Bethlehem, PA, USA

SATURDAY, JULY 30, 2016

08:00 – 13:00

Poster Hall

P102 PREVENTION OF CORONARY ARTERY DISEASE / RISK FACTORS FOR ATHEROTHROMBOTIC DISEASE (cont.)

Board No.

Abstract No.

9 THE B12/CRP INDEX AS A SIMPLE INDICATOR OF CORONARY ARTERY DISEASE IN AN ADULT POPULATION **050**
G.D. Spyromitros, I.D. Lagos, E.S. Papadopoulou, G.H. Katerini
Cardiology Department, Katerini, Greece

10 PREDICTORS OF CHILDHOOD OBESITY AND ADULTHOOD BLOOD PRESSURE LEVELS **051**
S. Singh, J. Kaur, K.K. Thumburu, P. Nieminen, A. Chauhan, N. Jaiswal, A. Agarwal, M. Singh, N. Paul, S. Sagwal
Advanced Pediatric Centre, PGIMER, Chandigarh, India

P103 PREDICTORS AND MARKERS OF HEART FAILURE OUTCOME

11 GROUPING OF PATIENTS ON RELATION TO HOSPITAL READMISSION BY ACUTE HEART FAILURE **052**
J.M. Quintana, A. Anton-Ladislao, S. Garcia-Gutierrez, I. Lafuente, M.J. Morillas, E. Hernandez, I. Rilo, N. Murga, R. Quiros
Unidad de Investigacion, Hospital Galdakao-Usansolo, Galdakao, Bizkaia, Spain

12 A PREDICTIVE MODEL OF 30 DAYS DEATH IN ADMITTED PATIENTS BY ACUTE HEART FAILURE **053**
J.M. Quintana, A. Anton, S. Garcia, I. Lafuente, M.J. Morillas, E. Hernandez, I. Rilo, N. Murga, R. Quiros, A. Lara
Unidad de Investigacion, Hospital Galdakao-Usansolo, Spain

13 CONGESTIVE HEART FAILURE CLINICS: HOW TO MAKE THEM WORK IN A COMMUNITY-BASED HOSPITAL SYSTEM **054**
M. Kabach, **O. Kreidieh**, J. Larned, L. Tamariz, K. Raimondo
University of Miami Miller School of Medicine, Miami, Florida, USA

14 EVALUATION OF IN-PATIENT CLINICAL OUTCOMES OF GUIDELINE-BASED THERAPY FOR ACUTE HEART FAILURE **055**
K.G. Castillo, R.E. Ramboyong
The Medical City, Pasig, Philippines

SATURDAY, JULY 30, 2016

08:00 – 13:00

Poster Hall

P104 PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY / CONGENITAL HEART DISEASE

| Board No. | | Abstract No. |
|-----------|--|--------------|
| 15 | TILT TABLE TESTING TO DIAGNOSE PSEUDOSYNCOPE IN THE PEDIATRIC POPULATION J.A. Robinson , J.K. Shivapour, C.S. Snyder The Congenital Heart Collaborative, Rainbow Babies and Children's Hospital, Case Western Reserve University School of Medicine, Cleveland, OH, USA | 056 |
| 16 | FIVE HEART CHAMBERS AT 60 YEARS: A RARE PRESENTATION OF COR TRIATRIUM SINISTRUM A.S. Saggi , A.S. Rajabalan, S.V. Patel, P. Patel, T. Singh Western Reserve Health Education/NEOMED, Youngstown, OH, USA | 057 |
| 17 | LATE COMPLICATIONS OF D-TRANSPOSITION OF THE GREAT ARTERIES S/P MUSTARD PROCEDURE K.S. Patel , K. Ramasubbu, B. Subedi New York Methodist Hospital, NY, USA | 058 |
| 18 | HEALTHY CAREGIVERS-HEALTHY CHILDREN: A PRIMARY PREVENTION PROGRAM WITH PRESCHOOL CHILDREN R.N. Natale , S.E. Messiah, C. Chang, K. Sardinas, J. Fitzgibbons, S. Peraza University of Miami School of Medicine, Mailman Center for Child Development, Miami, FL, USA | 059 |

P105 CARDIOVASCULAR QUALITY IMPROVEMENT AND OUTCOME

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| 19 | APPROPRIATENESS OF AERO MEDICAL TRANSPORT FOR CARDIAC EMERGENCIES A. Aggarwal , J. Heslop, S. Banga, S. Mungee, K. Kalvakuri University of Illinois College of Medicine at Peoria, Illinois; OSF Saint Francis Medical Center, Peoria, Illinois, USA | 060 |
| 20 | DECREASED DUPLICATE TESTING WITH ELECTRONIC MEDICAL RECORDS. A STUDY OF 7,400 NUCLEAR MEDICINE STRESS TESTS A. Avezbadalov , F. Mushtaq, P. Hardigan, J.J. Rozanski, M.A. Chizner The Heart Center of Excellence, NOVA University, Fort Lauderdale, FL, USA | 061 |
| 21 | MAYO REGISTRY FOR TELEMETRY EFFICACY IN ARREST (MR TEA) STUDY: A DESCRIPTIVE ANALYSIS OF MEDICATION ADMINISTRATION DURING INPATIENT CARDIOPULMONARY ARREST RESUSCITATION D.F. Snipelisky , J.C. Ray, G. Matcha, T. Vadeboncoeur, F. Kusumoto, A. Roy, A. Dumitrascu, D. Harris, M.C. Burton Mayo Clinic, Rochester, MN, USA | 062 |
| 22 | CHANGES IN MANAGEMENT OF STEMI WITH MULTIVESSEL DISEASE IN A CARDIAC CATHETERIZATION LAB J.B. Halevy , P.B. Gogo The University of Vermont Medical Center, Burlington, VT, USA | 063 |

SATURDAY, JULY 30, 2016

08:00 – 13:00

Poster Hall

P105 CARDIOVASCULAR QUALITY IMPROVEMENT AND OUTCOME (cont.)

Board No.

Abstract No.

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| 23 | CLINICAL CHARACTERISTICS, HOSPITAL MANAGEMENT PRACTICES, AND IN-HOSPITAL OUTCOMES OF PATIENTS HOSPITALIZED WITH TYPE 1 AND TYPE 2 MYOCARDIAL INFARCTION: THE WORCESTER HEART ATTACK STUDY J. Yarzebski; M. Tisminetzky, E. Granillo; R. Charan, R.P. Makam ; D.D. McManus; D. Lessard; J.M. Gore; R. Goldberg University of Massachusetts Medical School, Worcester, MA, USA | 064 |
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SATURDAY, JULY 30, 2016

14:00 – 16:45

Hall A

PL04 Plenary Session

LIPIDS, OBESITY, METABOLIC SYNDROME AND DIABETES

Joint Session with the American Society for Preventive Cardiology

Chairs: **N.S. Dhalla**, Winnipeg, MB, Canada
N.K. Wenger, Atlanta, GA, USA

Abstract No.

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| 14:00 | PATHOGENESIS AND THERAPY OF DIABETIC CARDIOMYOPATHY (Invited Lecture) N.S. Dhalla St. Boniface Hospital Albrechtsen Research Centre, University of Manitoba, Winnipeg, MB, Canada | 065 |
| 14:15 | SEX DIFFERENCES IN THE CARDIOVASCULAR CONSEQUENCES OF DIABETES MELLITUS (Invited Lecture) N.K. Wenger Emory University School of Medicine, Atlanta, GA, USA | 066 |
| 14:30 | STATINS IN THE TREATMENT AND PREVENTION OF CARDIOVASCULAR DISEASES: CURRENT AND EMERGING CLINICAL AND PUBLIC HEALTH CHALLENGES (Invited Lecture) C.H. Hennekens , E.H. Lieberman; M.H. Rubenstein; P.R. Hebert; D.L. DeMets; M.A. Pfeffer Florida Atlantic University, Boca Raton, FL, USA | 067 |
| 14:45 | STATIN INTOLERANCE - NOVEL BIOMARKERS, MECHANISMS, DEFINITION, AND EFFECTIVE MANAGEMENT. A WAY TO IMPROVE THERAPY ADHERENCE AND AVOID STATIN DISCONTINUATION? (Invited Lecture) M. Banach Medical University of Lodz, Poland | 068 |
| 15:00 | EVOLUTION OF PCSK9 MAB THERAPY FOR DYSLIPIDEMIA (Invited Lecture) N.D. Wong University of California, Irvine, CA, USA | 069 |
| 15:15 | THE HIGHLY DIFFICULT LIPOPROTEIN: CONTROVERSIES AND NEW DIRECTIONS (Invited Lecture) R.S. Rosenson , Icahn School of Medicine at Mount Sinai, New York, NY, USA | 070 |
| 15:30 | COMPREHENSIVE CARDIOVASCULAR RISK REDUCTION IN THE METABOLIC SYNDROME AND DIABETES (Invited Lecture) L.S. Sperling , Emory University School of Medicine, Atlanta, USA | 071 |
| 15:45 | PDE5 INHIBITION IN PROTECTION OF DIABETIC HEART (Invited Lecture) R.C. Kukreja , S.S. Koka, L. Xi, A. Varma, F.N. Salloum, E.J. Lesnefsky, A. Das Virginia Commonwealth University Richmond, VA, USA | 072 |
| 16:00 | INITIAL STAGES OF OBESITY ARE ASSOCIATED WITH INCREASED CARDIOVASCULAR ACTIVATION UNDER STRESS (Invited Lecture) D. Jezova , B. Prokopova, N. Hlavacova Slovak Academy of Sciences, Bratislava, Slovakia | 073 |

SATURDAY, JULY 30, 2016

14:00 – 16:45

Hall A

PL04 Plenary Session
LIPIDS, OBESITY, METABOLIC SYNDROME AND DIABETES (cont.)

Joint Session with the American Society for Preventive Cardiology

| | | Abstract No. |
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| 16:15 | METFORMIN ENHANCES T0901317-REDUCED ATHEROSCLEROSIS AND INHIBITS T0901317-INDUCED HYPERTRIGLYCERIDEMIA-- A NEW STRATEGY FOR ATHEROSCLEROSIS TREATMENT (Invited Lecture) C. Ma, W. Zhang, Y. Duan, Y. Chen, J. Han Nankai University, Tianjin, China | 074 |
| 16:30 | MACROPHAGE DEPOSITION OF CHOLESTEROL INTO THE EXTRACELLULAR MATRIX – A PATHWAY FOR REVERSE CHOLESTEROL TRANSPORT (Invited Lecture) X. Jin , D. Sviridov, Y. Liu, B. Vaisman, L. Addadi, A.T. Remaley, H.S. Kruth National Institutes of Health, Bethesda, Maryland, USA | 075 |
| 16:45 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

SATURDAY, JULY 30, 2016

14:00 – 16:00

Hall B

PL05 Plenary Session

ELECTROPHYSIOLOGY: SUDDEN DEATH, ARRHYTHMIAS AND DEVICE THERAPY

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

Abstract No.

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| 14:00 | IMPROVEMENT IN CLINICAL OUTCOMES WITH BIVENTRICULAR VERSUS RIGHT VENTRICULAR PACING IN THE BLOCK HF STUDY (Invited Lecture) A.B. Curtis , S.J. Worley, E.S. Chung, P. Li, S.A. Christman, M. St. John Sutton University at Buffalo, Buffalo, NY, USA | 076 |
| 14:15 | PREVENTION OF SUDDEN CARDIAC DEATH: CHALLENGES AND OPPORTUNITIES (Invited Lecture) M.E. Cain University at Buffalo, Buffalo, NY, USA | 077 |
| 14:30 | RISK STRATIFICATION AND THERAPY OF ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY (Invited Lecture) D. Corrado , University of Padova, Italy | 078 |
| 14:45 | RAISING ION CHANNEL CURRENTS TO PREVENT ARRHYTHMIAS (Invited Lecture) C. Rutledge, M. Liu, H. Liu, E.M Jeong, A. Xie, I. Efimov, S.C. Dudley - Lifespan Cardiovascular Institute, Providence, Brown University, Providence, RI, Providence, USA | 079 |
| 15:00 | INNOVATIVE P-WAVE DETECTION FOR DISCRIMINATION BETWEEN VENTRICULAR AND SUPRAVENTRICULAR TACHYCARDIA IN SINGLE-CHAMBER ICDS: IS THE P-WAVE INVISIBLE DURING TACHYCARDIA? (Invited Lecture) H. Paydak , UAMS, Little Rock, AR, USA | 080 |
| 15:15 | A PACEMAKER WITH ANTI-TACHYCARDIA PACING FOR PRIMARY PREVENTION OF SUDDEN ARRHYTHMIC DEATH: RECONCEPTUALIZING DEVICE THERAPY IN THE AGE OF THE INTERNET OF THINGS (Invited Lecture) J.R. Gimbel Case Western Reserve University, Cleveland, OH, USA | 081 |
| 15:30 | RISK STRATIFICATION IN BRUGADA SYNDROME: ICD INDICATION IN PATIENTS WITHOUT HISTORY OF CARDIAC ARREST (Invited Lecture) M. Takagi Osaka City Graduate School of Medicine, Osaka, Japan | 082 |
| 15:45 | THE CHANGING PARADIGM OF ATHLETIC PARTICIPATION IN LONG QT SYNDROME (Invited Lecture) M.J. LaPage University of Michigan, Ann Arbor, MI, USA | 083 |
| 16:00 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

SATURDAY, JULY 30, 2016

14:00 – 16:45

Hall C

| S22 | NEW DIRECTIONS IN CARDIOVASCULAR SURGERY: HEART VALVE SURGERY / CORONARY REVASCLARIZATION / MECHANICAL CIRCULATORY SUPPORT / CARDIAC TRANSPLANTATION | Abstract No. |
|-------|--|--------------|
| | Chairs: F.A. Arabia , Los Angeles, CA, USA S.H. Rahimtoola , Los Angeles, CA, USA | |
| 14:00 | VALVE PROSTHESIS-PATIENT MISMATCH (VP-PM): A LONG-TERM PERSPECTIVE (Invited Lecture) D. Daneshvar, S.H. Rahimtoola University of Southern California, Los Angeles, CA, USA | 084 |
| 14:15 | TRANSCATHETER AORTIC VALVE IMPLANTATION SHORTENS THE QTC INTERVAL IN PATIENTS WITH SEVERE AORTIC VALVE STENOSIS K. Anouti , S. Goldman, R. Rodriguez, E. Gnall, G. McNeill, Z. Shaik, P. Syed, S. Abramson, L. Zhang, P. Kowey Lankenau Medical Center, Wynnewood, PA, USA | 085 |
| 14:30 | CHANGING PATHOLOGY OF THE AORTA: FROM ACUTE TO CHRONIC DISSECTION S. Peterss, A.M. Mansour, J.A. Ross, I. Vaitkeviciute, P. Charilaou, J. Dumfarth, M. Tranquilli, H. Fang, B.A. Ziganshin, J.A. Rizzo, A.J. Adeniran, J.A. Elefteriades Aortic Institute at Yale-New Haven Hospital, Yale University School of Medicine, New Haven, CT, USA | 086 |
| 14:45 | OUTCOMES IN NONAGENARIANS UNDERGOING TRANSAORTIC VALVE REPLACEMENT IN A SINGLE CARDIOVASCULAR CENTER J.E. Pino , O.I. Kreidieh, M. Miller, J. Choi, L.S. Lovitz, M.E. Nores, R. Chait University of Miami, Palm Beach Regional Campus, Atlantis, FL, USA | 087 |
| 15:00 | CONTEMPORARY UTILIZATION AND GENDER-RACIAL DISPARITIES IN CORONARY ARTERY BYPASS SURGERY IN THE UNITED STATES: ANALYSIS OF 2 MILLION PATIENTS S.V. Patel, A. Rajabalan , P. Patel, A. Saggi, M. Patel, T. Singh Western Reserve Health Education/NEOMED, Youngstown, OH, USA | 088 |
| 15:15 | ISCHEMIC PATIENTS UNDERGOING CARDIAC SURGERY HAVE SIGNIFICANT MITOCHONDRIAL COMPLEX I DYSFUNCTION D. Schipper , C. O'Hare, R. Palsma, D. Dicken, T. Kazui, Z. Khalpey University of Arizona College of Medicine, Department of Surgery, Tucson, AZ, USA | 089 |
| 15:30 | THE USE OF EXTRACORPOREAL MEMBRANE OXYGENATION FOR CARDIAC INDICATIONS: A TERTIARY CENTER EXPERIENCE M. Rivera , R. Mendirichaga, S. Chaparro, M. Murman, V. Singh, R.N. Cardoso, G. Fernandes, M. Pardinias, S. Dickens, S. Krick University of Miami Leonard M. Miller School of Medicine, Miami, USA | 090 |
| 15:45 | RECURRENT PERICARDIAL EFFUSION IN A HEART TRANSPLANT RECIPIENT MANAGED WITH A PLEURX CATHETER B. Louka , E. Kransdorf, E. Yang, L. Lanza, O. Pajaro Mayo Clinic, Arizona, USA | 091 |

SATURDAY, JULY 30, 2016

14:00 – 16:45

Hall C

**S22 NEW DIRECTIONS IN CARDIOVASCULAR SURGERY: HEART VALVE SURGERY /
CORONARY REVASCULARIZATION / MECHANICAL CIRCULATORY SUPPORT /
CARDIAC TRANSPLANTATION (cont.)**

Abstract No.

- | | | |
|-------|---|-----|
| 16:00 | TRENDS IN TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR) CHARACTERISTICS AND OUTCOMES: A SINGLE CENTER EXPERIENCE S. Gurevich , E. Ruiz-Rodriguez, E. Missov, S. Garcia, T. Biring, D. Yannopolous, R. John, K. Liao, G. Raveendran, G. Helmer, University of Minnesota Medical Center, MN, USA | 092 |
| 16:15 | MARKERS OF IMPROVEMENT AFTER ECMO IMPLANTATION A. Rifai , T. Yousuf, A. Tatoes, W. Cotts, G. Bhat Advocate Christ Medical Center, Chicago, IL, USA | 093 |
| 16:30 | CORRELATION OF DEMOGRAPHIC PROFILE AND CLINICAL RISK FACTORS WITH SYNTAX SCORE TO PREDICT SEVERITY OF CAD IN PATIENTS UNDERGOING CABG S.P. Shashidharan , S. Banga, S. Mungee, E. Mukhopadhyay OSF St. Francis Medical Center, University of Illinois College of Medicine at Peoria, IL, USA | 094 |
| 16:45 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

SATURDAY, JULY 30, 2016

14:00 – 16:30

Hall D

S23 CURRENT CONCEPTS AND FUTURE DIRECTIONS IN ISCHEMIC HEART DISEASE

Chairs: **G. Barsness**, Rochester, MN, USA
T. Tomaru, Toho, Japan

Abstract No.

- 14:00 LASER STIMULATED STEM CELLS TREATMENT POST-MYOCARDIAL INFARCTION IN HUMANS: SAFETY AND FEASIBILITY STUDY **095**
A. Blatt, G. Elbaz-Greener, O. Tzuman, M. Leitman, Z. Vered, U. Oron
Sackler School of Medicine, Tel Aviv University, Tel Aviv, Israel
- 14:15 NEW IDEAS ON HYPERTENSION TREATMENT (Invited Lecture) **096**
C. Rosendorff, Icahn School of Medicine at Mount Sinai, New York, NY, USA
- 14:30 SAFETY OF THE ASSOCIATION OF RANOLAZINE AND IVABRADINE FOR ANTIANGINAL TREATMENT IN STABLE CORONARY ARTERY DISEASE **097**
A. Lupi, A. Schaffer, F. Mirabelli, A. Rognoni, A.S. Bongo
AOU Maggiore della Carita', 2nd Cardiology Division, Italy
- 14:45 LEFT VENTRICULAR FUNCTION ON LV ANGIOGRAPHY – A PREDICTOR FOR EARLY DISCHARGE IN PATIENTS WITH STEMI POST-PCI **098**
S. Banga, K. Narala, **K. Kalvakuri**, J N. Patel, S. Mungee
University of Illinois College of Medicine at Peoria;
OSF Saint Francis Medical Center, Peoria, Illinois, USA
- 15:00 BETA 2 GLYCOPROTEIN I PEPTIDE PROTECTS FROM CARDIAC ISCHEMIA REPERFUSION INJURY IN MICE **099**
G. Chen, J.C. Weaver, P. Zhang, J. Beretov, A. Tatsuya, M. Qi, R. Bhandi, J.C. Qi, M.C. Madigan, B. Giannakopoulos, S.A. Krilis
St George Hospital, Sydney, Australia.
- 15:15 ASSOCIATION BETWEEN CANCER AND CORONARY HEART DISEASE – NHANES 2011-2012 **100**
P. Agasthi, D. Adedinsowo, A. Chaudhry, K. Sivakumar, A. Onwuanyi
Morehouse School of Medicine, Atlanta, GA, USA
- 15:30 PREVALENCE OF ABDOMINAL AORTIC ANEURYSM IN VETERANS WITH MULTIVESSEL CORONARY ARTERY DISEASE **101**
M. Dameron, **R. Chana**, A. Parashar, Veterans Affairs Medical Center Salem VA, USA
- 15:45 RE-EVALUATING THE ROLE OF HEART SCORE IN CHEST PAIN ADMISSIONS **102**
H.A. Lodhi, H. Shafiq, S. Jampana, M. Waqas, F. Hassan, A. Shafiq
Baptist Desoto Hospital, Southaven, MS; USA
- 16:00 THE OBESITY PARADOX ALSO OCCURS AMONG HISPANIC PUERTO RICAN PATIENTS PRESENTING WITH ACUTE CORONARY SYNDROMES **103**
E.J. Reyes-Aponte, A. Lopez-Candales, O. García-Rodríguez, M. Irizarry, M. López, E. García
University of Puerto Rico Medical Sciences Campus, San Juan, Puerto Rico, USA
- 16:15 ELEVATED TROPONINS IN A PATIENT WITHOUT MYOCARDIAL INJURY- AN INTERESTING CASE WITH MURAL THROMBUS IN THORACIC AORTA **104**
A. Rajabalan, B. Bat, T. Bat, A. Elmograbhy, T. Jose, S. Patel, S. Lutton, A. Bhatti,
Western Reserve Health Education/NEOMED, Youngstown, OH, USA
- 16:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

SATURDAY, JULY 30, 2016

16:45 – 19:00

Hall B

PL06 Plenary Session

NEW CONCEPTS IN THE PATHOGENESIS AND TREATMENT OF CORONARY ARTERY DISEASE

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

Abstract No.

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|-------|---|-----|
| 16:45 | WHAT HAPPENS TO THE BRAIN AFTER MYOCARDIAL INFARCTION? (Invited Lecture) J.L. Mehta , X. Wang University of Arkansas for Medical Sciences and VA Medical Center, Little Rock, AR, USA | 105 |
| 17:00 | CpG DNA REGULATION OF COAGULATION: IMPLICATIONS FOR ACUTE CORONARY ARTERY DISEASE (Invited Lecture) J.G. Filep University of Montreal, Montreal, Quebec, Canada | 106 |
| 17:15 | TICAGRELOR AND STATIN HAVE SYNERGISTIC EFFECTS ON MYOCARDIAL PROTECTION AGAINST ISCHEMIA-REPERFUSION INJURY (Invited Lecture) Y. Ye, S. Nylander, Y. Birnbaum Baylor College of Medicine, Houston, TX, USA | 107 |
| 17:30 | ROLE OF MICROPARTICLES IN CARDIOVASCULAR CALCIFICATION (Invited Lecture) J.D. Hutcheson, E. Aikawa Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA | 108 |
| 17:45 | INTRAMYOCARDIAL HEMORRHAGE AFTER ACUTE MYOCARDIAL INFARCTION; PATHOGENESIS AND CLINICAL IMPLICATIONS (Invited Lecture) N. van Royen VU University Medical Center, Amsterdam, The Netherlands | 109 |
| 18:00 | DIFFERENCES IN META-ANALYSES RESULTS IN CARDIAC CELL-BASED REGENERATIVE THERAPIES (Invited Lecture) M. Gyöngyösi , Medical University of Vienna, Vienna, Austria | 110 |
| 18:15 | EVOLVING CELLULAR THERAPY IN CARDIOVASCULAR AND PERIPHERAL VASCULAR DISEASES (Invited Lecture) R.K. Sharma , R. Komatireddy, R.K. Sharma, H.K. Reddy University of South Florida, Tampa Florida, USA | 111 |
| 18:30 | ROLE OF CD4+ T-CELLS AFTER MYOCARDIAL INFARCTION (Invited Lecture) U. Hofmann , University Clinic Halle(Saale), Germany | 112 |
| 18:45 | RISK FACTORS FOR NON-PLATELET THROMBOXANE GENERATION (Invited Lecture) J.J. Rade , N. Kakouros, S.M. Nazarian, P.B. Stadler, T.J. Kickler University of Massachusetts Medical School, Worcester, MA, USA | 113 |

SATURDAY, JULY 30, 2016

16:45 – 18:30

Hall C

S24 ARRHYTHMIA I: DIAGNOSIS, DRUG THERAPY, ABLATION

Chair: **D. Corrado**, Padova, Italy
M. LaPage, Ann Arbor, MI, USA

Abstract No.

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|-------|--|-----|
| 16:45 | INCIDENCE OF VENTRICULAR ARRHYTHMIAS IN CYSTIC FIBROSIS PATIENTS TREATED WITH CHRONIC AZITHROMYCIN THERAPY AND OTHER QT PROLONGING DRUGS A.K. Tripathi , M. Mohammed, L. Fitzpatrick, M. Bromstedt, D. Lakkireddy, D. Polineni Kansas University Medical Center, Kansas City, KS, USA | 114 |
| 17:00 | CATHETER ABLATION RELATED CORONARY OCCLUSION AND TAMPONADE - A DOUBLE HIT N.V.K. Pothineni , J. Payne, S. Kovelamudi, J. Wong, A. Deshmukh, H. Paydak University of Arkansas for Medical Sciences, Little Rock, AR; USA | 115 |
| 17:15 | DISTRIBUTION OF ADRENERGIC AND CHOLINERGIC NERVE FIBERS WITHIN INTRINSIC NERVES AT THE LEVEL OF THE HUMAN HEART HILUM V. Petraitiene , D.H. Pauza, R. Benetis Medical Academy, Lithuanian University of Health Sciences, Kaunas, Lithuania | 116 |
| 17:30 | COMPARING R2CHADS2 AND CHA2DS2VASC SCORES IN STROKE PATIENTS WITH NON-VALVULAR ATRIAL FIBRILLATION AND RENAL FAILURE M.R. Vindhya , S.R. Vindhya, T. Haneke, P. Ndunda, F. Eid, J.K. Kallail KUSM - Wichita, Wichita, Kansas, USA | 117 |
| 17:45 | LEFT ATRIAL DYSSYNCHRONY AS A PREDICTOR OF POSTOPERATIVE ATRIAL FIBRILLATION IN CANCER PATIENTS R.A. Quintana-Quezada , K.K. Vahdat, J. Song, S.W. Yusuf, A. Vaporciyan, K. Karimzad The University of Texas MD Anderson Cancer Center, Houston, TX, USA | 118 |
| 18:00 | DOES OBESITY IMPACT THE RECURRENCE OF ATRIAL FIBRILLATION AFTER CRYOABLATION USING THE ARCTIC FRONT ADVANCE CATHETER? A. Avezbadalov , S. Pollack, A.F. Osman The Heart Center of Excellence, NOVA Southeastern University, Fort Lauderdale, FL, USA | 119 |
| 18:15 | SHORT PR: IT IS NOT ALWAYS WOLFF-PARKINSON-WHITE SYNDROME P. Christia , I. Katsa, J. Miles, R. Faillace Albert Einstein College of Medicine Jacobi Medical Center, Bronx, NY, USA | 120 |

SATURDAY, JULY 30, 2016

16:45 – 19:15

Hall D

S25 PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY, CONGENITAL HEART DISEASE

Chairs: **A. Lorber**, Haifa, Israel
C.S. Snyder, Cleveland OH, USA

Abstract No.

- 16:45 VALIDATION OF AN EARLY WARNING SCORE FOR IDENTIFYING HOSPITALIZED CHILDREN AT RISK FOR CLINICAL DETERIORATION **121**
M.C. McLellan; K. Gauvreau; J.A. Connor
Boston Children's Hospital, Boston, MA, USA
- 17:00 MATERNAL EXPOSURE TO DI(2-ETHYHEXYL)PHTHALATE IMPACTS FETAL CARDIAC DEVELOPMENT **122**
C. Wang, Y.F. Li, Y.F. Zhang, K.Y. Zhou, Y.M. Hua
West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China
- 17:15 CONGENITAL HEART DISEASE IN INDIA **123**
R. Bhardwaj, A. Kumar, D. Agrawal, **B. Mohapatra**
Dept. of Zoology, Institute of Science, BHU, Varanasi, India
- 17:30 CLINICAL RESEARCH ON FETAL BRADYCARDIA **124**
K.Y. Zhou, C. Wang, Y.F. Li, Y.M. Hua
West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China
- 17:45 COGNITIVE REQUIREMENTS FOR AUTOMATIC EXTERNAL DEFIBRILLATOR USE: ARE WE STARTING TOO YOUNG? **125**
C.S. Snyder, H. Hall
The Congenital Heart Collaborative, Case Western Reserve University, Cleveland OH, USA
- 18:00 ASSOCIATIONS BETWEEN ABCB1 AND ABCG2 GENE POLYMORPHISMS OF CHILDREN AND ISOLATED SEPTAL DEFECTS IN A HAN CHINESE POPULATION **126**
C. Wang, K.Y. Zhou, Y.F. Li, Y. Zhang, Y.M. Hua
West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China
- 18:15 CORRELATION BETWEEN ECG ABNORMALITIES AND MARIJUANA USE IN THE PEDIATRIC POPULATION **127**
J.A. Robinson, S. Somasegar, J.K. Shivapour, C.S. Snyder
The Congenital Heart Collaborative, Rainbow Babies and Children's Hospital, Case Western Reserve University School of Medicine, Cleveland, OH, USA
- 18:30 EFFECT OF FENESTRATION ON EARLY POSTOPERATIVE OUTCOME IN PATIENTS WITH DIFFERENT RISK LEVEL UNDERGOING EXTRACARDIAC FONTAN **128**
F. Fan, Q. Wang, Z.M. Liu, S.J. Li, T. Yi, J. Yan, F.X. Yan, X. Wang
The Pediatric Cardiac Surgical Centre, Cardiovascular Institute and Fu Wai Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China

SATURDAY, JULY 30, 2016

16:45 – 19:15

Hall D

**S25 PEDIATRIC CARDIOLOGY AND CARDIAC SURGERY, CONGENITAL HEART DISEASE
(cont.)**

- 18:45 YIELD OF SPORTS PREPARTICIPATION CARDIOVASCULAR SCREENING IN MIDDLE AND HIGH SCHOOL STUDENTS **129**
A. Sinha, K.A Nguyen, A. Singh, A. Fedor, K. Mousely, S. Agrawal, M. Vikram, S. Stevens, D. Traub, S. Nanda, J. Shirani
St. Luke's University Health Network, Bethlehem, PA, USA
- 19:00 RESOLUTION OF EARLY SECOND TRIMESTER HYDROPS FETALIS FOLLOWING TREATMENT OF FETAL TACHYCARDIA **130**
J.A. Robinson, J.P. Strainic, J.K. Shivapour, C.S. Snyder
The Congenital Heart Collaborative, Rainbow Babies and Children's Hospital, Case Western Reserve University School of Medicine, Cleveland, OH, USA

SATURDAY, JULY 30, 2016

13:30 – 18:30

Poster Hall

P201 ECHOCARDIOGRAPHY

| Board No. | | Abstract No. |
|---|---|--------------|
| 1 | ASSESSMENT OF ASCENDING AORTIC DIAMETER BY TRANSTHORACIC ECHOCARDIOGRAPHY: AGE AND SEX SPECIFIC REFERENCE VALUES IN ADULTS WITH AND WITHOUT SYSTEMIC HYPERTENSION G. Kumar, C. Ayoub , P. Thapa, F.A. Miller, P.C. Spittell Emory University School of Medicine, Atlanta, GA, USA | 131 |
| 2 | LARGE CARDIAC HAMARTOMA: CHARACTERIZATION OF MASS AND MANAGEMENT WITH IMAGING C. Ayoub , S.A. Luis, J. Maleszewski, P. Pellikka Mayo Clinic, Rochester, MN, USA | 132 |
| 3 | MERCILESS, METASTATIC, MALIGNANCY TO THE HEART: CASE OF PULMONARY SARCOMATOID ADENOCARCINOMA H. Narayanasamy , T. Naqvi, S.M. Wilansky Mayo Clinic, Arizona, USA | 133 |
| 4 | CORRELATION OF 2D AND 3D ECHOCARDIOGRAPHIC LEFT VENTRICULAR EJECTION FRACTIONS AMONG PATIENTS WITH ACUTE CORONARY SYNDROME J. Salvanera , I. Bundalian, R. Ramboyoung The Medical City, Pasig City, Philippines | 134 |
| 5 | A CASE OF INFERIOR VENA CAVA MASS ON ECHOCARDIOGRAPHY A. Quddus , A. Smith, M. Mchlane, S. Agrawal, A. Singh, S. Longo, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA | 135 |
| 6 | A GIANT LEFT ATRIAL MASS: NOT A MYXOMA C. Gallegos, V. Singh, M. Rivera-Maza , R. Colombo, R.C. Hendel, University of Miami, Miller School of Medicine, FL, USA | 136 |
| P202 NOVEL DIAGNOSTIC METHODS AND IMAGING TECHNIQUES | | |
| 7 | IMPACT OF DIABETES MELLITUS ON SUBCLINICAL ATHEROSCLEROSIS IN ASYMPTOMATIC INDIVIDUALS J.A. Ryu , G.M. Park, D.W. Kim, T.S. Kim, C.J. Kim, J.S. Cho, M.W. Park, S.H. Her, J.B. Kwon Daejeon St. Mary's Hospital, the Catholic University of Korea, Seoul, Korea | 137 |
| 8 | IS NON-INVASIVE MEASUREMENT OF CARDIAC OUTPUT USING ELECTRICAL CARDIOMETRY IN PATIENTS WITH AORTIC STENOSIS A RELIABLE METHOD? P. Teefy, R. Bagur, K. Karimi-Shahri, J. Teefy, R. Sule, C. Phillips, K. Norozi Western University, London, ON, Canada | 138 |
| 9 | IMPACT OF INITIAL FUNCTIONAL EVALUATION COMPARED WITH INVASIVE ANGIOGRAPHY FOR STABLE CORONARY ARTERY DISEASE G.S. Jung , S.Y. Oh, G.M. Park, D.W. Kim, T.S. Kim, C.J. Kim, J.S. Cho, M.W. Park, S.H. Her, J.B. Kwon Daejeon St. Mary's Hospital, the Catholic University of Korea, Seoul, Korea | 139 |

SATURDAY, JULY 30, 2016

13:30 – 18:30

Poster Hall

P202 NOVEL DIAGNOSTIC METHODS AND IMAGING TECHNIQUES (cont.)

| Board No. | | Abstract No. |
|--|---|--------------|
| 10 | THE EFFECT OF NEGATIVE CARDIAC NUCLEAR STRESS ON EMERGENCY-ROOM VISIT AND READMISSION FOR CHEST PAIN S. Talebi, O. Zaher, H. Reyes , O. Olatunde, F. Visco, G. Pekler New York Medical College - Metropolitan Hospital Center, New York, NY, USA | 140 |
| 11 | MULTIMODALITY APPROACH IN PERCUTANEOUS INTERVENTION OF RENAL ARTERY FIBROMUSCULAR DYSPLASIA IN AN 80-YEAR OLD FEMALE N. Katta , P. Velagapudi, M. Mittal, H. Agrawal, A. Kumar University of Missouri School of Medicine, Columbia, MO, USA | 141 |
| 12 | THE PANTYHOSE PROJECT D.A. Bloomfield , F. Rotatori Richmond University Medical Center, Staten Island, New York, USA | 142 |
| 13 | THE EFFICACY OF SONOGRAPHIC MEASUREMENT OF INFERIOR VENA CAVA DIAMETER AS AN ESTIMATE OF CENTRAL VENOUS PRESSURE W. Ciozda , I. Kedan, R. Khandwalla, R. Zimmer, A. Kimchi David Geffen School of Medicine, University of California, Los Angeles, California, USA | 143 |
| 14 | INCIDENTAL FINDING OF INTERVENTRICULAR MEMBRANOUS SEPTAL ANEURYSM IN A PATIENT WITH SUPRAVENTRICULAR TACHYCARDIA F. Elmi , M. Sharma, B. Ganguly Drexel University College of Medicine, Philadelphia, PA, USA | 144 |
| P203 CARDIOVASCULAR DISEASE: PROGNOSIS, RISK ASSESSMENT | | |
| 15 | UTILITY OF SIGNAL-AVERAGED HOLTHER ELECTROCARDIOGRAM AFTER PILSICAINIDE PROVOCATION FOR RISK STRATIFICATION IN BRUGADA SYNDROME J. Kakihara , M. Takagi, Y. Hayashi, H. Tatsumi, A. Doi, K. Sugioka, M. Yoshiyama Cardiovascular Medicine, Osaka City University Graduate School of Medicine, Osaka, Japan | 145 |
| 16 | THE IMPACT OF SOCIOECONOMIC HEALTH DISPARITIES IN CONGESTIVE HEART FAILURE IN OUT PATIENT MANAGEMENT A CASE SERIES RETROSPECTIVE ANALYSIS OF DIAGNOSED CASES R. Patel , A. Patel, M. Singh, M.D. Dao, B. Hussain, K. George Clinical Trial Network, Houston, TX, USA | 146 |

SATURDAY, JULY 30, 2016

13:30 – 18:30

Poster Hall

P204 NEW INSIGHTS INTO PATHOGENESIS AND MANAGEMENT OF HEART FAILURE

| Board No. | | Abstract No. |
|-----------|---|--------------|
| 17 | COMPARABLE LONG-TERM PROGNOSIS AFTER THE CHANGE FROM ANGIOTENSIN-CONVERTING ENZYME INHIBITOR TO ANGIOTENSIN RECEPTOR BLOCKER IN ACUTE MYOCARDIAL INFARCTION H.Y. Kim , S.M. Lim, K.Y. Chang, W.S. Chung, K.B. Seung The Catholic University of Korea, Seoul, Korea | 147 |
| 18 | THE EFFECT OF INTRAHEPATIC CHOLESTASIS OF PREGNANCY ON THE EXPRESSION AND FUNCTIONALITY OF PLACENTAL P-GLYCOPROTEIN IN MICE: IMPLICATIONS IN THE INDIVIDUALIZED TRANSPLENTAL DIGOXIN TREATMENT FOR FETAL HEART FAILURE C. Wang , Y.M. Hua, Y. Zhang, Y.F. Li, K.Y. Zhou West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China | 148 |
| 19 | SODIUM TANSINONE IIA SULFONATE AND SODIUM DANSHENSU OPEN THE PLACENTAL BARRIER THROUGH DOWN-REGULATION OF PLACENTAL P-GLYCOPROTEIN IN MICE: IMPLICATIONS IN THE TRANSPLENTAL DIGOXIN TREATMENT FOR FETAL HEART FAILURE C. Wang , K.Y. Zhou, Y.F. Li, Y.F. Zhang, Y.M. Hua West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China | 149 |

P205 MISCELLANEOUS

| | | |
|----|---|-----|
| 20 | ASSESSING THE COMPETENCY OF INTERNAL MEDICINE RESIDENTS IN ELECTROCARDIOGRAM INTERPRETATION A. Kodra , T. Rambhatla, S. Patel, N. Coplan Lenox Hill Hospital, New York, NY, USA | 150 |
| 21 | A LARGE MASS OBLITERATING THE RIGHT VENTRICLE: A TUMOR OR A THROMBUS? S. Patnaik , M. Shah, S. Sharm, H. Seetha Rammohan, A. Rubin Albert Einstein Medical Center, Philadelphia, PA, USA | 151 |
| 22 | ASSESSMENT THE ROLE OF CORONARY CLEARANCE FRAME COUNT IN PATIENTS WITH CARDIAC SYNDROME X E. Yildirim , U.C. Yuksel, B. Bugan, M. Celik, M. Koklu, S. Gormel, H.K. Kabul, C. Barcin Gulhane Military Medical Academy, Department of Cardiology, Ankara, Turkey | 152 |
| 23 | MULTI-CHAMBER CARDIAC EMBOLUS DETECTED WITH MULTI-MODAL IMAGING V. Tavakoli , R. Grodman, J. Nfonoyim, A.R. Chaudery, V. Pandian Richmond University Medical Center, New York, NY, USA | 153 |
| 24 | CARDIOVASCULAR DISEASE IS ASSOCIATED WITH AN INCREASED RISK OF FRAILTY IN ELDERLY RESIDENTS OF A LONG-TERM CARE FACILITY C.J. Hsieh , N.F. Miao National Taipei University of Nursing and Health Sciences, Taipei, Taiwan | 154 |

SATURDAY, JULY 30, 2016

13:30 – 18:30

Poster Hall

P205 MISCELLANEOUS (cont.)

| Board No. | | Abstract No. |
|-----------|---|--------------|
| 25 | <p>PSEUDOHYPONATREMIA CAUSED BY LIPOPROTEIN X IN OBSTRUCTIVE BILIARY CHOLESTASIS SECONDARY TO PANCREATIC CANCER K. Anouti, J. Clark, M. Maalouf, E. Gnall, T. Phiambolis, T. Shapiro Lankenau Medical Center, Wynnewood, PA, USA</p> | 155 |
| 26 | <p>CARDIAC TUBERCULOMA PRESENTING AS THROMBOTIC THROMBOCYTOPENIC PURPURA-HEMOLYTIC UREMIC SYNDROME E.A. Christian, R.M. Mehta, R.N. Khouzam University of Tennessee Health Sciences Center, Memphis, TN, USA</p> | 156 |
| 27 | <p>A CASE REPORT OF CELIAC GANGLION BLOCK IN POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME H.Y. Mistry, S.E. Hamid, A. Suleman The Heartbeat Clinic, McKinney, Texas, USA</p> | 157 |
| 28 | <p>LARGE HEPATIC CYST AND PATENT FORAMEN OVALE: UNUSUAL COMBINATION PRODUCING PLATYPNEA-ORTHODEOXIA SYNDROME B.A. Foreman, J Hansen Penn State Hershey Medical Center/College of Medicine, Hershey, PA, USA</p> | 158 |
| 29 | <p>USE OF HIGH FREQUENCY PERCUSSIVE VENTILATOR AS BRIDGE TO ORGAN PROCUREMENT: LIFE GOES ON F. Benn, A. Ashwad, I. Gulkarov, B. Fahoum, F. Khusid, M. Majumder New York Methodist Hospital, Brooklyn NY USA</p> | 159 |



INTERNATIONAL
ACADEMY OF
CARDIOLOGY

INTERNATIONAL ACADEMY OF CARDIOLOGY
ANNUAL SCIENTIFIC SESSIONS 2016
21st WORLD CONGRESS ON
HEART DISEASE

BOSTON, MA, USA, JULY 30-AUGUST 1, 2016

SCIENTIFIC
PROGRAM

Sunday, July 31, 2016

SCIENTIFIC PROGRAM



SUNDAY, JULY 31, 2016

08:30 – 10:30

Hall A

PL07 Plenary Session

AORTIC ANEURYSMS AND PERIPHERAL VASCULAR DISEASE: PATHOGENESIS, DIAGNOSIS AND TREATMENT

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

Abstract No.

- | | | |
|-------|---|-----|
| 08:30 | ASTHMA AS A RISK FACTOR OF HUMAN AND EXPERIMENTAL ABDOMINAL AORTIC ANEURYSM (Invited Lecture) C-L. Liu, H. Wemmelund, J.S. Lindholt, A. Daugherty, B.D. Levy, P. Libby, G-P. Shi Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA | 160 |
| 08:45 | CXCR6/CXCL16 AXIS IS INVOLVED IN MONONUCLEAR CELL ADHESION INDUCED BY ANGIOTENSIN II, POTENTIAL IMPLICATION IN ABDOMINAL AORTIC ANEURYSM (AAA) FORMATION? (Invited Lecture) M.J. Sanz , A. Collado, P. Escudero, C. Rius, P. Marques, L. Piqueras Faculty of Medicine, University of Valencia, Valencia, Spain | 161 |
| 09:00 | THE CENTRAL ROLE OF SMOOTH MUSCLE CELL MITOCHONDRIA IN THE PREVENTION OF ABDOMINAL AORTIC ANEURYSM BY LOW LEVEL LASER THERAPY (Invited Lecture) L. Gavish, R. Beerli, D. Gilon, C. Rubinstein, Y. Berlatzky, S.D. Gertz The Hebrew University of Jerusalem and Hadassah University Hospital, Jerusalem, Israel | 162 |
| 09:15 | WHAT IS THE PROGRESS WITH TREATMENTS FOR SMALL ABDOMINAL AORTIC ANEURYSMS? (Invited Lecture) J. GollEDGE James Cook University, School of Medicine Townsville, Queensland, Australia | 163 |
| 09:30 | WHOLE EXOME SEQUENCE FOR THORACIC AORTIC ANEURYSMS (Invited Lecture) B.A. Ziganshin, A.E. Bailey, C. Coons, D. Dykas, P. Charilaou, L.H. Tanriverdi, L. Liu, M. Tranquilli, A.E. Bale, J.A. Eleftheriades Yale University School of Medicine, New Haven, CT, USA | 164 |
| 09:45 | DILATING VENOUS DISEASE: PATHOPHYSIOLOGY AND A SYSTEMATIC ASPECT TO DIFFERENT VASCULAR TERRITORIES (Invited Lecture) E. Yetkin , International Medical Center, Mersin, Turkey | 165 |
| 10:00 | MANAGEMENT OF VENOUS THROMBOEMBOLISM (Invited Lecture) T. Tomaru , T. Matsubara, E. Matsubara, S. Kodera Toho University Sakura Hospital, Sakura, Japan | 166 |
| 10:15 | THE 2016 BEST TOOL FOR PERIPHERAL VASCULAR INTERVENTION (Invited Lecture) S.M. Butman Verde Valley Medical Center, Cottonwood, AZ, Banner University Medical Center, Tucson, AZ, USA | 168 |
| 10:30 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

SUNDAY, JULY 31, 2016

08:30 – 11:15

Hall B

PL08 Plenary Session

ATHEROSCLEROSIS: FROM BASIC MECHANISMS TO NOVEL OPPORTUNITIES FOR INTERVENTIONS

Chairs: **C. Chen**, Houston, TX, USA
T. Malinski, Athens, OH, USA

Abstract No.

- | | | |
|-------|--|-----|
| 08:30 | NOVEL REGULATION OF VASCULAR CALCIFICATION (Invited Lecture) Y. Chen , University of Alabama at Birmingham, Birmingham, AL, USA | 169 |
| 08:45 | PREVENTION AND INTERFERENCE OF ATHEROSCLEROTIC HEART DISEASE IN MULTIPLE ANIMAL MODELS (Invited Lecture) S. Chatterjee , D. Bedja, S. Mishra, C. Amuzie, C.A. Foss, M.G. Pomper, R. Bhattacharaya, K.J. Yarema Johns Hopkins University, Baltimore, MD, USA | 170 |
| 09:00 | GLYCOSAMINOGLYCANS (GAGS) IN CARDIOVASCULAR DISEASE: SEARCHING FOR THE SWEET SPOT (Invited Lecture) A. Lucas , University of Florida, Gainesville, FL, USA | 171 |
| 09:15 | OXIDATIVE STRESS AND ENDOTHELIAL DYSFUNCTION (Invited Lecture) C. Chen , J. Lu, Q. Yao Baylor College of Medicine, Houston, TX, USA | 172 |
| 09:30 | A NANOMEDICAL APPROACH TO THE RESTORATION OF DYSFUNCTIONAL ENDOTHELIUM AND THE FUNCTION OF THE CARDIOVASCULAR SYSTEM (Invited Lecture) T. Malinski , S. Awad, H. Dawoud, Ohio University, Athens, OH, USA | 173 |
| 09:45 | EFFECT OF ENDOTHELIAL CELL SENESENCE ON THE HEAT SHOCK RESPONSE AND CELLULAR FUNCTION (Invited Lecture) A.A. Knowlton , H.T. Hwang Sacramento VA Medical Center, Mather, CA USA and University of California, Davis, CA, USA | 174 |
| 10:00 | INVOLVEMENT OF STROMAL INTERACTION MOLECULE-1 IN ANGIOTENSIN-II-INDUCED EXPRESSION OF EARLY GROWTH RESPONSE PROTEIN-1 IN VASCULAR SMOOTH MUSCLE CELLS (Invited Lecture) E.R. Simo-Cheyrou, A.K. Srivastava CRCHUM, University of Montreal, Montreal, Quebec, Canada | 175 |
| 10:15 | MICRORNA REGULATION OF ENDOTHELIAL INFLAMMATION AND ATHEROSCLEROSIS (Invited Lecture) M. Feinberg Brigham and Women's Hospital, Boston, MA, and Harvard Medical School, Boston, MA, USA | 176 |
| 10:30 | IMPACT OF REACTIVE OXYGEN SPECIES ON CORONARY ARTERIAL REMODELING - A COMPARATIVE INTRAVASCULAR ULTRASOUND AND HISTOCHEMICAL ANALYSIS OF ATHEROSCLEROTIC LESIONS (Invited Lecture) M. Terashima Toyohashi Heart Center, Toyohashi, Japan | 177 |

SUNDAY, JULY 31, 2016

08:30 – 11:15

Hall B

PL08 Plenary Session
ATHEROSCLEROSIS: FROM BASIC MECHANISMS TO NOVEL OPPORTUNITIES FOR INTERVENTIONS (cont.)

Abstract No.

- 10:45 MOLECULAR MECHANISMS OF VASCULAR DYSFUNCTION AND ATHEROSCLEROSIS REGULATED BY HEMODYNAMICS FORCES 178
(Invited Lecture)
Z-G. Jin
University of Rochester School of Medicine and Dentistry, Rochester, NY, USA
- 11:00 ADAR1-MEDIATED RNA EDITING, A NOVEL MECHANISM CONTROLLING VASCULAR SMOOTH MUSCLE PHENOTYPIC MODULATION (Invited Lecture) 179
J. Fei, X.B. Cui, K. Dong, **S.Y. Chen**
University of Georgia, Athens, GA, USA

08:30 – 10:15

Hall C

S26 CARDIOVASCULAR IMAGING MODALITIES FOR EVALUATION OF CORONARY CIRCULATION, CARDIAC STRUCTURE AND FUNCTION

Chairs: **Y. Charuzi**, Los Angeles, CA, USA
P.A. Pellikka, Rochester, MN, USA

- 08:30 ATRIAL FIBRILLATION INFLUENCES RIGHT ATRIAL PRESSURE ESTIMATION BY HAND HELD ULTRASOUND ASSESSMENT OF THE VENA CAVA 180
D.W. Kehl, R. Zimmer, G. Sheth, S.R. Shadix, R. Khandwalla, I. Kedan
Cedars-Sinai Medical Center, Los Angeles, CA, USA
- 08:45 NEW SOFTWARE BASED BEAMFORMING ALGORITHM IS SUPERIOR TO HARDWARE BASED BEAMFORMER IN ENDOCARDIAL BORDER DETECTION 181
R.A. Kulina, B. Wiley, S. Agarwal, A. Traube, S. Ka, S. Schiller, L. Clark, J. Narula, P. Sengupta, F. Chaudhry
Icahn School of Medicine at Mount Sinai, New York, NY, USA
- 09:00 A MIXED TREATMENT ANALYSIS COMPARING THE EFFICACIES OF IVABRADINE VERSUS BETA BLOCKERS WHEN USED AS PREMEDICATION FOR HEART RATE REDUCTION IN COMPUTED TOMOGRAPHY CORONARY ANGIOGRAPHY 182
S. Dayanand, J.M. Martinez
University of Central Florida, Kissimme, FL, USA
- 09:15 THE ROLE OF ECHOCARDIOGRAPHY IN THE MANAGEMENT OF PATIENTS UNDERGOING VENTRICULAR ASSIST DEVICE IMPLANTATION AND/OR TRANSPLANT SURGERY (Invited Lecture) 183
T.S. Kato, Juntendo University School of Medicine, Bunkyo-ku, Tokyo, Japan

SUNDAY, JULY 31, 2016

08:30 – 10:15

Hall C

S26 **CARDIOVASCULAR IMAGING MODALITIES FOR EVALUATION OF CORONARY CIRCULATION, CARDIAC STRUCTURE AND FUNCTION (cont.)**

Abstract No.

- 09:30 COST EFFECTIVENESS OF CORONARY CT ANGIOGRAPHY IN PATIENTS WITH LOW RISK FOR CORONARY ARTERY DISEASE (CAD) AT A TERTIARY CARE CENTER **184**
K. Kalvakuri, S. Banga, S. Singh, W. Keattiyotat, M.F. Malik
University of Illinois College of Medicine at Peoria, Illinois, USA
- 09:45 HYPEREMIC INSTANTANEOUS WAVE-FREE RATIO PROVIDES THE HEMODYNAMIC OUTCOME FOR MODERATE TO SEVERE CORONARY ARTERY STENOSES **185**
Y. Kanamori, **R. Aikawa**
Kuwana City Medical Center, Japan
- 10:00 GLOBAL LONGITUDINAL STRAIN AS A PREDICTOR OF MAJOR ADVERSE EVENTS IN ESRD PATIENTS WITH PRESERVED EJECTION FRACTION **186**
S. Furlan, F. Abdelmalak, E. Donath, R. Chait
University of Miami, Palm Beach Regional Campus, Atlantis, FL, USA
- 10:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

08:30 – 11:00

Hall D

S27 **ADVANCES IN HEART FAILURE, CARDIOMYOPATHIES AND PULMONARY HYPERTENSION**

Chairs: **Y. Birnbaum**, Houston, TX, USA
 A.M. Gerdes, Old Westbury, NY, USA

- 08:30 PULMONARY AND HEMODYNAMIC RESPONSES TO FRUCTOSE-1,6-DIPHOSPHATE (FDP) IN PATIENTS WITH ACUTE LUNG INJURY (ALI) **187**
A.K. Markov, T.N. Skelton
University of Mississippi School of Medicine Department of Medicine, Jackson, MS, USA
- 08:45 MORTALITY OF PULMONARY EMBOLISM TREATED WITH SYSTEMIC OR INTRAPULMONARY THROMBOLYSIS: A SINGLE CENTER, 10-YEAR RETROSPECTIVE STUDY **188**
S. Udae, J. Cholteesupachai, S. Srimahachota
King Chulalongkorn Memorial Hospital, Chulalongkorn University, Bangkok, Thailand
- 09:00 SHORT TERM LOW DOSE ATORVASTATIN THERAPY IMPROVES ENDOTHELIAL DYSFUNCTION IN NORMOLIPIDEMIC PATIENTS WITH PRESERVED EJECTION FRACTION HEART FAILURE **189**
S. Yazdankhah, S.H. Majidi, **M.H Adel**, A. Karadooni, H. Karbalivand, M. Maghsoodi, A. Rouhizadeh
Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Khuzestan

SUNDAY, JULY 31, 2016

08:30 – 11:00

Hall D

| S27 | ADVANCES IN HEART FAILURE, CARDIOMYOPATHIES AND PULMONARY HYPERTENSION (cont.) | Abstract No. |
|-------|--|--------------|
| 09:15 | A COMPARATIVE ANALYSIS OF CHRONIC HEART FAILURE IN A PREDOMINANT AFRICAN-AMERICAN POPULATION D. Brito , E. Ladron-Franco, T. Alnabelsi, J. Penalver, A. Macedo-Dias, H.D. Hares, B. Bozorgnia Department of Internal Medicine, Einstein Medical Center, Philadelphia, PA, USA | 190 |
| 09:30 | DOXORUBICIN-INDUCED CARDIOMYOPATHY IN CHRONIC LYMPHOCYTIC LEUKEMIA AND RICHTER'S TRANSFORMATION: DEVELOPMENT OF HEART FAILURE WITH SYSTOLIC AND DIASTOLIC DYSFUNCTION S.H. Wan , R.L. Frye, Mayo Clinic, Rochester, MN, USA | 191 |
| 09:45 | PRENATAL TRANS-PLACENTAL DIGOXIN THERAPY FOR FETAL HEART FAILURE: A COHORT STUDY K.Y. Zhou , C. Wang, Y.F. Li, Y.M. Hua West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China | 192 |
| 10:00 | PATIENT PERCEPTIONS ABOUT A HOSPITAL-AT-HOME MODEL OF CARE FOR DECOMPENSATED HEART FAILURE T. Rahman , Q. Ibrahim, H. Van Spall McMaster University, Department of Medicine, Hamilton, ON, Canada | 193 |
| 10:15 | A CASE OF TUBERCULOUS PERICARDITIS MIMICKING LUPUS CARDITIS C. Panagiota , I. Katsa, J. Miles, R. Faillace Albert Einstein College of Medicine Jacobi Medical Center, Bronx, NY, USA | 194 |
| 10:30 | CLINICAL CHARACTERISTICS OF TAKOTSUBO CARDIOMYOPATHY IN THAILAND A. Ardjnaphai , J. Chaipromprasit Division of Cardiovascular Medicine, King Chulalongkorn Memorial Hospital, Bangkok, Thailand | 195 |
| 10:45 | EMBOLIC PARADOX: WHEN TWO WRONGS MAKE A RIGHT V. Tavakoli , R. Bindu, C. Philip, R. Grodman, D. Bloomfield Richmond University Medical Center, Staten Island, NY, USA | 196 |
| 11:00 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

SUNDAY, JULY 31, 2016

11:15 – 13:30

Hall A

PL09 Plenary Session

VALVULAR, STRUCTURAL AND CONGENITAL HEART DISEASE: NEW CHALLENGES AND NEW DIRECTIONS

Chairs: **J.S. Borer**, New York, NY, USA
L.P. Perrault, Montreal, QC, Canada

Abstract No.

- | | | |
|-------|--|-----|
| 11:15 | MITRAL INTERVENTION IN CABG PATIENTS: IS LESS EVER MORE? (Invited Lecture) L.P. Perrault Montreal Heart Institute, East, Montreal, QC, Canada | 197 |
| 11:30 | VALVULAR HEART DISEASES 2016: EPIDEMIOLOGY AND IMPACT OF INTERVENTIONS (Invited Lecture) J.S. Borer , P.G. Supino SUNY Downstate, New York, NY, USA | 198 |
| 11:45 | LOW GRADIENT SEVERE AORTIC STENOSIS: ECHO FEATURES AND CLINICAL SIGNIFICANCE (Invited Lecture) P.A. Pellikka Mayo Clinic, Rochester, MN, USA | 199 |
| 12:00 | ATRIAL FUNCTIONAL MITRAL REGURGITATION: THE LEFT ATRIUM GETS ITS DUE RESPECT (Invited Lecture) B.D. Hoit University Hospitals Case Medical Center, Case Western Reserve University, Cleveland, OH, USA | 200 |
| 12:15 | OSTEOGENIC DIFFERENTIATION IS A MECHANISM FOR BIOPROSTHETIC VALVE CALCIFICATION (Invited Lecture) N.M. Rajamannan Mayo Clinic, Rochester, MN, USA | 201 |
| 12:30 | AVOIDING AND SOLVING COMPLICATIONS DURING PERCUTANEOUS CLOSURE OF ASD (Invited Lecture) A. Lorber Rambam Medical Campus, Haifa, Israel | 203 |
| 12:45 | INCREMENTAL VALUE OF MRI IN STAGING THE SEVERITY OF AORTIC STENOSIS M. Katayama , P.M. Panse, C.B. Kendall, J.R. Daniels, J.P. Sweeney, F.D. Fortuin, M. Belohlavek, H.P. Chaliki Mayo Clinic, Scottsdale, AZ, USA | 204 |
| 13:00 | IMPACT OF PREOPERATIVE PULMONARY ARTERIAL HYPERTENSION ON OUTCOME OF MITRAL VALVE REPLACEMENT M.A. Gebrie , N. Ahmed, A. Rungatscher, G.B. Luciani, G. Faggian Division of Cardiac Surgery, University of Verona, Verona, Italy | 205 |

SUNDAY, JULY 31, 2016

11:15 – 13:30 Hall A

PL09 **Plenary Session**
VALVULAR, STRUCTURAL AND CONGENITAL HEART DISEASE: NEW CHALLENGES
AND NEW DIRECTIONS (cont.)

Abstract No.

- 13:15 EARLY OUTCOMES AFTER THE COMMANDO PROCEDURE: DOUBLE VALVE REPLACEMENT AND RECONSTRUCTION OF INTERVALVULAR FIBROSA 206
D.A. Steimer, T. Chamogeorgakis, J.C. MacHannaford, A. Rafael, S.R. Malyala, G.V. Gonzalez-Stawinski, B. Lima
Baylor University, Dallas, TX, USA
- 13:30 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

11:15 – 13:45 Hall B

PL10 **Plenary Session**
ATRIAL FIBRILLATION AND SUPRAVENTRICULAR TACHYCARDIA:
FROM MECHANISMS TO MANAGEMENT

Chairs: **M.A. Alpert**, Columbia, MO, USA
 T. Deneke, Bad Neustadt, Germany

- 11:15 ASYMPTOMATIC ACUTE COMPLICATIONS OF ATRIAL FIBRILLATION ABLATION USING IRRIGATED RADIOFREQUENCY TECHNOLOGY 207
(Invited Lecture)
T. Deneke, P. Halbfaß, P. Müller, G. Szöllösi, M. Roos, J. Krug, A. Schade, A. Müller, F. Fochler, K. Nentwich
Cardiovascular Center Bad Neustadt, Germany
- 11:30 ANTI-THROMBOTIC THERAPY FOR ATRIAL FIBRILLATION IN PATIENTS WITH CHRONIC KIDNEY DISEASE: CURRENT VIEWS (Invited Lecture) 208
M.A. Alpert
University of Missouri, Columbia, MO, USA
- 11:45 COMPLICATIONS AFTER RADIOFREQUENCY ABLATION OF ATRIAL FIBRILLATION: ATRIAL-ESOPHAGEAL AND PERICARDIOESOPHAGEAL FISTULAS (Invited Lecture) 209
K. Seidl
Klinikum-Ingolstadt, Germany
- 12:00 THE MOST COST EFFECTIVE APPROACH TO RISK ASSESSING PATIENTS WITH WOLFF-PARKINSON-WHITE SYNDROME (Invited Lecture) 210
C.S. Snyder
The Congenital Heart Collaborative, Case Western Reserve University, Cleveland OH, USA

SUNDAY, JULY 31, 2016

11:15 – 13:45

Hall B

PL10 Plenary Session

ATRIAL FIBRILLATION AND SUPRAVENTRICULAR TACHYCARDIA: FROM MECHANISMS TO MANAGEMENT (cont.)

Abstract No.

- 12:15 CARDIAC AUTONOMIC NERVE STIMULATION AND ATRIAL FIBRILLATION: EFFECT OF IN VIVO SIMULTANEOUS SYMPATHETIC AND VAGAL EXCITATION (Invited Lecture) **211**
Y. Zhang
Cleveland Clinic, Cleveland, OH, USA, New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA
- 12:30 METABOLOMIC PROFILING IN RELATION TO NEW-ONSET ATRIAL FIBRILLATION IN THE COMMUNITY: THE FRAMINGHAM HEART STUDY **212**
D. Ko, E.M. Riles; E.G. Marcos; J.W. Magnani; S.A. Lubitz; H. Lin; M.T. Long; R.B. Schnabel; D.D. McManus; P.T. Ellinor; V.S. Ramachandran; T.J. Wang; R.E. Gerszten; E.J. Benjamin; X. Yin; M. Rienstra
Boston Medical Center, Boston University School of Medicine, Boston, MA; USA
- 12:45 TEMPORAL TRENDS IN PREVALENCE OF COMORBIDITIES IN ATRIAL FIBRILLATION PATIENTS ADMITTED WITH FIRST ISCHEMIC STROKE **213**
S. Agrawal, L. Garg, N. Maheshwari, D. Mohanane, A. Singh, A. Sinha, A. Quddus, S. Nanda, J. Shirani
St. Luke's University Health Network, Bethlehem, PA, USA
- 13:00 COLCHICINE VERSUS PLACEBO FOR PREVENTION OF POST-PROCEDURAL ATRIAL FIBRILLATION: A SYSTEMATIC REVIEW AND META-ANALYSIS **214**
O. Kreidieh, M. Kabach, S. El Dassouki, J. Martinez, R. Rosenstein, R. Chait
University of Miami Miller, Palm Beach Regional Campus, Atlantis, Florida, USA
- 13:15 GASTROINTESTINAL BLEEDING PROPHYLAXIS IN ATRIAL FIBRILLATION PATIENTS RECEIVING DABIGATRAN **215**
T. Nantsupawat, S. Soontrapa, N. Nantsupawat, S. Klomjit, **P. Tantrachoti**, D. Sotello, H. Mazek, A.P. Perez-Verdia
Texas Tech University Health Sciences Center, Lubbock, TX, USA
- 13:30 IMPACT OF CHA₂DS₂VASC SCORE ON ATRIAL FIBRILLATION DETECTION IN PATIENTS WITH CRYPTOGENIC STROKE **216**
A. Abichandani, D. Signarovitz, K. Branch, D. Prutzman, S. Agrawal, L. Sadowski, S. Stevens, D. Traub, J. Shirani, S. Nanda
St. Luke's University Health Network, Bethlehem, PA, USA
- 13:45 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

SUNDAY, JULY 31, 2016

11:15 – 13:30

Hall C

S28 **CARDIOVASCULAR DISEASE: PREVENTION AND RISK FACTORS**

Chairs: **C.H. Hennekens**, Boca Raton, FL, USA
 N.D. Wong, Irvine, CA, USA

Abstract No.

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|-------|---|-----|
| 11:15 | STATIN CANDIDATES IN “PRIMARY PREVENTION” DOUBLES WITH THE “ACC/AHA GUIDELINE ON THE TREATMENT OF BLOOD CHOLESTEROL TO REDUCE ATHEROSCLEROTIC CARDIOVASCULAR RISK”: COMPARISON OF TWO AMERICAN GUIDELINES IN TURKISH POPULATION C. Barcin , F. Bayram, A. Sonmez, C. Gokce, K. Gundogan Gulhane Military Medical Academy, Ankara, Turkey | 217 |
| 11:30 | ASSESSING THE CARDIOVASCULAR HEALTH BEHAVIORS OF COLLEGE STUDENTS M. Granieri , J.P. Cordova, A. Koulova, C. Bavishi, S. Trignano, J.E. Tamis-Holland Mount Sinai St. Luke’s Hospital, NY, USA | 218 |
| 11:45 | HOW EFFECTIVE IS LIFESTYLE INTERVENTION IN WEIGHT MANAGEMENT AND DEPRESSION IN ADULTS WITH METABOLIC SYNDROME Q. Wang , S.Y. Chair, E.M.L. Wong The Nethersole School of Nursing, Faculty of Medicine, The Chinese University of Hong Kong | 219 |
| 12:00 | UPDATE ON ASPIRIN IN THE PRIMARY PREVENTION OF CARDIOVASCULAR DISEASE C.H. Hennekens Florida Atlantic University, Boca Raton, FL, USA | 220 |
| 12:15 | EFFICACY OF A CARDIOVASCULAR BEHAVIORAL INTERVENTION PROGRAM ON PROGRESSION OF ATHEROSCLEROSIS N.D. Wong , A. Eisenberg, J. Cecere, C. Patao, H. Eisenberg University of California, Irvine, CA, USA | 221 |
| 12:30 | THE EFFECT OF SELF-MONITORING OF BLOOD PRESSURE ON MEDICATION ADHERENCE AND LIFESTYLE FACTORS: SYSTEMATIC REVIEW, META-ANALYSIS AND QUALITATIVE INTERVIEWS B.R. Fletcher, J. Hartmann-Boyce , L. Hinton, R.J. McManus University of Oxford, Oxford, UK | 222 |
| 12:45 | CAROTID INTIMA MEDIA THICKNESS MEASUREMENT PROMISES TO IMPROVE CARDIOVASCULAR RISK EVALUATION IN HEAD AND NECK CANCER PATIENTS D. Jacoby, J. Hajj , A. Javaheri, E. Degoma, A. Lin, P. Ahn, H. Quon University of Pennsylvania, Philadelphia, PA, USA | 223 |
| 13:00 | EFFICACY OF A CARDIOVASCULAR BEHAVIORAL INTERVENTION PROGRAM ON MEASURES OF STRESS A. Eisenberg , N.D. Wong, C. Pateo, J. Cecere, H. Eisenberg Re-Engineering Healthcare, Tustin, California, USA | 224 |

SUNDAY, JULY 31, 2016

11:15 – 13:30

Hall C

S28 CARDIOVASCULAR DISEASE: PREVENTION AND RISK FACTORS (cont.)

Abstract No.

- 13:15 EFFECT OF VARIOUS CHILDHOOD ANTHROPOMETRIC MEASURES ON ADULTHOOD CAROTID INTIMA-MEDIA THICKNESS: A SYSTEMATIC REVIEW AND META-ANALYSIS
J. Kaur, **S. Singh**, P. Nieminen, K.K. Thumburu, A. Chauhan, N. Jaiswal, A. Agarwal, M. Singh, N. Paul, S. Sagwal
ICMR Advanced Centre for Evidenced Based Child Health, Advanced Pediatric Centre, PGIMER, Chandigarh, India **225**
- 13:30 LUNCH BREAK, VISIT POSTERS AND EXHIBITION

11:15 – 13:30

Hall D

S29 CELLULAR, MOLECULAR AND GENETIC MECHANISMS OF CARDIOVASCULAR DISEASE

Chairs: **L.W. Miller**, Clearwater, FL, USA
D.K. Singla, Orlando, FL, USA

Abstract No.

- 11:15 DEPLETION OF THE CEREBLON GENE ENHANCES CARDIAC CONTRACTILITY, CA²⁺ TRANSIENT AND MITOCHONDRIAL ENERGY METABOLISM IN MICE
H.K. Kim, T.H. Ko, Y.H. Noh, S.H. Jeong, N. Kim, B.D. Rhee, K.S. Ko, **J. Han**
College of Medicine, Cardiovascular and Metabolic Disease Center, Inje University, Busan, Korea **226**
- 11:30 MITF SWITCHES FROM ACTIVATOR TO REPRESSOR OF ERBIN EXPRESSION DURING CARDIAC HYPERTROPHY
I. Rachmin, E. Amsalem, E. Golomb, R. Beerli, D. Gilon, G. Min, R.S.Y. Foo, D.E. Fisher, E. Razin, S. Tshori
Hebrew University Medical School, Jerusalem, Israel **227**
- 11:45 INHIBITION OF LEPTIN RECEPTOR ABOLISHES INTRALIPID-INDUCED CARDIOPROTECTION AGAINST ISCHEMIA- REPERFUSION INJURY
N. Motayaghani, S. Phan, C. Eshraghi, M. Eghbali
UCLA, CA, USA **228**
- 12:00 CYP2C19 GENETIC VARIATION AND INDIVIDUALIZED CLOPIDOGREL PRESCRIPTION IN A CARDIOLOGY CLINIC
S.A. Mirabbasi, K. Khalighi, B. Khalighi, A. Kodali, Y. Wu, W. Fan
Easton Hospital, Drexel University, Easton, PA, USA **229**

SUNDAY, JULY 31, 2016

11:15 – 13:30

Hall D

| S29 | CELLULAR, MOLECULAR AND GENETIC MECHANISMS OF CARDIOVASCULAR DISEASE (cont.) | |
|-------|--|-----|
| 12:15 | A GENOME-WIDE METHYLATION ANALYSIS SHOWS DIFFERENTIALLY METHYLATED REGIONS BETWEEN FUTURE CVD CASES AND CONTROLS O. Coltell , J.V. Sorli, E.M. Asensio, R. Fernandez-Carrion, C. Ortega-Azorin, R. Barragan-Arnal, I. Gonzalez-Monje, F. Aros, J.M. Ordovas, D. Corella CiberOBN, Madrid, Spain | 230 |
| 12:30 | RELATIONSHIP BETWEEN ASPIRIN RESPONSE RELATED MICRORNA AND THE RISK OF CARDIOVASCULAR EVENTS IN CAD PATIENTS J.W. Zhang , T.F. Liu, W.Y. Liang, X.R. Feng, L. Wang, P.Z. Wang, S.W. Fu, T.A. McCaffrey, M.L. Liu Department of Geriatrics, Peking University First Hospital, Beijing, China | 231 |
| 12:45 | A GENETIC VARIANT IN THE CIRCADIAN GENE BMAL1 IS ASSOCIATED WITH HIGHER INCIDENCE OF CARDIOVASCULAR DISEASES D. Corella , J.V. Sorli, F.G. Frances, R. Fernandez-Carrion, R. Estruch, L. Parnell, F. Aros, C. Saiz, J.M. Ordovas, O. Coltell CiberOBN, Madrid, Spain | 232 |
| 13:00 | MMP1 GENE POLYMORPHISM AND CIRCULATING MMP IN ELDERLY WITH LIPEMIA AND PATIENTS WITH IHD G.A. Paul, N.V. Goncharova, V.M. Belichenko, T.A. Korolenko Institute of Physiology and Fundamental Medicine, Novosibirsk, Russia | 233 |
| 13:15 | EVALUATION OF GENETIC PROFILES IN MEDICATION ADJUSTMENTS A.J. Allen , J.M. Wetmore, M.F. Maturi Allen, D.R. Talreja Yale University New Haven, CT, USA | 234 |
| 13:30 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION | |

P301 VASCULAR BIOLOGY, BASIC RESEARCH

| Board No. | | Abstract No. |
|-----------|--|--------------|
| 1 | MICRORNA AS KEY TARGETS OF MEF2 TRANSCRIPTION FACTOR IN THE ENDOTHELIUM: ROLE IN THE PATHOGENESIS OF PULMONARY ARTERIAL HYPERTENSION J. Kim, Y. Young Sookmyung Women's University, Seoul, South Korea | 235 |
| 2 | PROCOLLAGEN TYPE I CARBOXY-TERMINAL PROPEPTIDE IS ASSOCIATED WITH BLOOD PRESSURE, CARDIAC HYPERTROPHY AND DYSFUNCTION, AND PREDICT CARDIOVASCULAR EVENTS IN HEMODIALYSIS PATIENTS Y.O. Kim, B.M. Choi, S.J. Shin The Catholic University, Seoul, Korea | 236 |
| 3 | IDH2 DEFICIENCY IMPAIRS MITOCHONDRIAL FUNCTION IN ENDOTHELIAL CELLS AND ENDOTHELIUM-DEPENDENT VASOMOTOR FUNCTION S. Jung, C. Kim Chungnam National University, Daejeon, Korea | 237 |
| 4 | EFFECTS OF PERIVASCULAR ADIPOSE TISSUE ON VASODILATION DIFFER BY THE SEVERITY OF METABOLIC DISORDERS S. Kagota, S. Iwata, K. Maruyama, S. Koyanagi, K. Shinozuka Mukogawa Women's University, Nishinomiya, Japan | 238 |
| 5 | TRASTUZUMAB INDUCES SYSTEMIC OXIDATIVE STRESS IN AN EXPERIMENTAL BIOLOGICAL MODEL M.C. Ramirez-Ortega, J.C. Torres-Narvaez, L. Del Valle-Mondragon, J.F. Carrillo-Hernandez, A.M. Gamez-Mendez, M.L. Ibarra-Lara, M. Sanchez-Aguilar, M.A. Sanchez-Mendoza, G. Pastelin-Hernandez Instituto Nacional de Cardiologia "Ignacio Chavez", Mexico City, Distrito Federal, Mexico | 239 |
| 6 | TIME-DEPENDENT RELAXANT EFFECTS OF NITRIC OXIDE AND CARBON MONOXIDE INTERACTION ON ALBINO RATS AORTIC RINGS WITH SPECIAL EMPHASIS ON THE ROLES OF K ⁺ AND CA ⁺⁺ CHANNELS O.A. Al-Habib, S.S. Khalil University of Zakho, Kurdistan Region, Iraq | 240 |
| 7 | PROTEASE-ACTIVATED RECEPTOR-2 RELAXATION OF RAT AORTAS VASODILATION IN METABOLIC SYNDROME K. Maruyama, S. Kagota, J.J. McGuire, N. Yoshikawa, K. Nakamura, K. Shinozuka Mukogawa Women's University, Nishinomiya, Hyogo, Japan | 241 |

SUNDAY, JULY 31, 2016

08:00 – 13:00

Poster Hall

P302 PHARMACOLOGIC MODULATION OF VASCULAR - ENDOTHELIAL FUNCTION

| Board No. | | Abstract No. |
|-----------|--|--------------|
| 8 | THE PROTECTIVE EFFECTS OF PARTHENOLIDE TREATMENT IN MOUSE CORTICAL MICROVASCULAR ENDOTHELIAL CELLS INVOLVED CA ²⁺ CLEARANCE SUPPRESSION BY IMPAIRING PLASMALEMMA CA ²⁺ PUMP ACTIVITIES AND ER STRESS K.L. Wong , T.Y. Tsai, S.Y. Lou, C.W. Cheung, Y.M. Leung China Medical University & Hospital, Taichung, Taiwan | 242 |
| 9 | USE OF DEEP SEDATION WITH PROPOFOL TO RELIEVE CATHETER ENTRAPMENT DUE TO SEVERE RADIAL ARTERY SPASM DURING CORONARY ANGIOGRAPHY E.S. Roberto , T. Aung, A. Agarwal Wright State University Department of Internal Medicine, Dayton, OH, USA | 243 |

P303 ACUTE MYOCARDIAL INFARCTION / REPERFUSION THERAPY

| | | |
|----|---|-----|
| 10 | CORONARY REPERFUSION MANEUVER IN PRIMARY CORONARY INTERVENTION WITH RIGHT CORONARY ARTERY CULPRIT J.M. Telayna , J.M.(h) Telayna, R.A. Costantini Hospital Universitario Austral, Bs As, Argentina | 244 |
| 11 | CULPRIT IN A CARDIAC ARREST: RIGHT CORONARY ARTERY OR LEFT ANTERIOR DESCENDING O.E Egbuche , P. Agasthi, K. Sivakumar, R. Sachdeva Morehouse School of Medicine and Grady Memorial Hospital, Atlanta, Georgia, USA | 245 |
| 12 | COMPLETE HEART BLOCK FOLLOWING SUCCESSFUL PERCUTANEOUS CORONARY INTERVENTION OF LEFT MAIN STENOSIS A.F. Chaudhry , P. Agasthi, D. Hirsh, R. Sachdeva Morehouse School of Medicine, Atlanta, GA, USA | 246 |
| 13 | AN OVERLOOKED UNDERRATED SYMPTOM OF ACUTE MYOCARDIAL INFARCTION IN WOMEN A.C. Grigos , R. Seguritan, D.A. Bloomfield Richmond University Medical Center, Staten Island, NY USA | 247 |
| 14 | ROLE OF CONTRAST ENHANCED ECHOCARDIOGRAPHY IN PROVIDING LIFE SAVING DIAGNOSIS AFTER ACUTE STEMI J. Kiani , I. Meier, J. Jentzer, R. Daly Mayo Clinic, Rochester, MN, USA | 248 |
| 15 | HYPERACUTE T-WAVES INDICATIVE OF MYOCARDIAL ISCHEMIA: AN ATYPICAL AND UNDER RECOGNIZED MUST-KNOW PATTERN ON ELECTROCARDIOGRAM K.A. Samtani , O.M. Ali Wright State University, Dayton, OH, USA | 249 |

P303 ACUTE MYOCARDIAL INFARCTION / REPERFUSION THERAPY (cont.)

| Board No. | | Abstract No. |
|--|---|--------------|
| 16 | HIGH-SENSITIVITY TROPONIN I (HSTNI) LEVEL IN ACUTE MYOCARDIAL INFARCTION (AMI) PATIENTS AND ITS ASSOCIATION WITH CORONARY ARTERY DISEASE (CAD) RISK FACTORS, AN INVESTIGATIVE STUDY K.A. Floren , R.E. Ramboyong The Medical City, Pasig City, Philippines | 250 |
| P304 CARDIOMYOPATHIES: PATHOGENESIS AND TREATMENT | | |
| 17 | QRS COMPLEX FRAGMENTATION AS A PREDICTOR OF MYOCARDIAL SCAR IN PATIENTS WITH TRASTUZUMAB INDUCED CARDIOMYOPATHY C.J. Hayes , D.J. Pytlewski, D.S. Jassal, C.M. Seifer, W.F. McIntyre University of Manitoba, Winnipeg, MB, Canada | 251 |
| 18 | DETERMINANTS OF CARDIAC DYSFUNCTION AND LEFT VENTRICULAR HYPERTROPHY IN PHEOCHROMOCYTOMA S. Agrawal , S. Nanda, S.P. Bhatt, S. Longo, J. Pamula, A. Singh, M. Fegley, J. Shirani St Luke's University Health Network, Bethlehem, PA, USA | 252 |
| 19 | DIFFERENTIAL REVERSIBILITY IN HEART FAILURE DUE TO HYPOTHYROIDISM E.S. Roberto , T. Aung, A. Agarwal, R.J. Colon Wright State University Department of Internal Medicine, Dayton, OH, USA | 253 |
| 20 | ELECTRO-CARDIOVERSION OF NEW ONSET ATRIAL FLUTTER LEADING TO CARDIOGENIC SHOCK E.A. Christian , S.R. Kadire, R.N. Khouzam University of Tennessee Health Science Center, Memphis, TN, USA | 254 |
| 21 | DILATED CARDIOMYOPATHY INDUCED BY CHRONIC STARVATION AND SELENIUM DEFICIENCY S. Dasgupta , A.M. Aly University of Texas Medical Branch, Galveston, Texas, USA | 255 |
| 22 | TRIPLE TROUBLE: SINGLE CORONARY ARTERY AND CORONARY ARTERY DISEASE IN THE SETTING OF HYPERTROPHIC CARDIOMYOPATHY S. Patnaik , M. Shah, S. Sharma, N. Codolosa, V.M. Figueredo Albert Einstein Medical Center, Philadelphia, USA | 256 |
| 23 | LEFT VENTRICULAR OUTFLOW TRACK OBSTRUCTION AND MITRAL VALVE REGURGITATION IN A PATIENT WITH TAKOTSUBO CARDIOMYOPATHY Y. Wu, W.Q. Fan, L. Chachula, G. Costacurta, R. Rohatgi, F. Elmi Easton Hospital, Drexel University, Pennsylvania, USA | 257 |

SUNDAY, JULY 31, 2016

08:00 – 13:00

Poster Hall

P304 CARDIOMYOPATHIES: PATHOGENESIS AND TREATMENT (cont.)

| Board No. | | Abstract No. |
|-----------|--|--------------|
| 24 | PHASIC COMPRESSION OF LEFT CIRCUMFLEX CORONARY ARTERY DURING ATRIAL SYSTOLE E.S. Roberto , A. Agarwal, T. Aung Wright State University Department of Internal Medicine, Dayton, OH, USA | 258 |
| 25 | CATECHOLAMINE INDUCED CARDIOMYOPATHY J.Y. Park , D. Snipelisky, S. Kapa Mayo Clinic, Rochester, MN, USA | 259 |

P305 ELECTROPHYSIOLOGY: SUDDEN DEATH, ARRHYTHMIAS AND DEVICE THERAPY

| | | |
|----|---|-----|
| 26 | DELINEATING THE ASSOCIATION OF MITRAL VALVE PROLAPSE AND SUDDEN CARDIAC DEATH A. Rafael, E.I. Starobinska , P. Bartko, R.A. Levine, S.A. Lubitz, D.J. Milan University of Arizona College of Medicine- Phoenix, Phoenix, AZ, USA | 260 |
| 27 | POST-TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR) AND AV BLOCK – PACING OUTCOMES A. Mourad , A.F. Chu Rhode Island Hospital, Brown University, Rhode Island, USA | 261 |
| 28 | CORONARY ATHEROSCLEROSIS IN NON-CARDIAC SUDDEN UNEXPECTED DEATHS: AN AUTOPSY STUDY OF ASIAN POPULATION W. Vutthikraivit , P. Putthapiban, W. Sukhumthammarat, K. Jongyotha, P. Rajsirisongsri, T. Waungpaibulkij, J. Jutakeo, C. Rattananarungrit, P. Piancharoen, S. Srisont Ramathibodi Hospital, Mahidol University, Bangkok, Thailand | 262 |
| 29 | POSTMORTEM ECHOCARDIOGRAPHY AT EMERGENCY DEPARTMENT S.B. Chon , S.D. Shin, Y. Cho, H.S. Jeong, J.H. Choi, K.S. Han, T.H. Cho, S.H. Na Seoul National University Hospital, Seoul, Republic of Korea | 263 |
| 30 | WEARABLE CARDIOVERTER-DEFIBRILLATOR –WHERE ARE THE CLINICAL GUIDELINES? M. Agarwal , V. Botta, J. Gardner, R. Khouzam University of Tennessee Health Science Center, Memphis, Tennessee, USA | 264 |
| 31 | COMPLICATIONS RELATED TO CARDIAC RHYTHM MANAGEMENT DEVICES (CRMD'S) THERAPY AND THEIR FINANCIAL IMPLICATION: A PROSPECTIVE SINGLE-CENTER TWO YEARS SURVEY J.A. Fanourgiakis, E.N. Simantirakis, N. Maniadaakis, E.M Kanoupakis , S.J. Chrysostomakis, G. Kourlaba, G.I. Chlouverakis, S.E. Papadakis, M. Vernardos, P.E. Vardas Heraklion University Hospital, Crete, Greece | 265 |

SUNDAY, JULY 31, 2016

08:00 – 13:00

Poster Hall

**P305 ELECTROPHYSIOLOGY: SUDDEN DEATH, ARRHYTHMIAS AND DEVICE THERAPY
(cont.)**

| Board No. | | Abstract No. |
|-----------|--|--------------|
| 32 | PATIENTS FAVOR SHAPE OF MEDTRONIC ICD, BATTERY LIFE OFTEN MORE IMPORTANT J. Kneller , L. Bird Yakima Heart Center, Yakima, WA, USA | 266 |
| 33 | PACEMAKER COMPLICATION DOCUMENTATION AND THE EFFECT OF A CHANGE IN ANTIBIOTIC GUIDELINES J. Basu , L. West, S. Firoozan Royal Berkshire Hospital, Reading, UK | 267 |
| 34 | VENTRICULAR TACHYCARDIA STORM ON THE SAME DAY OF ICD IMPLANTATION FOR PRIMARY PREVENTION. WHAT HAPPENED? S. Edla , J. Chandrasekaran, S. Neupane, A. Shakir St John Hospital and Medical Center, Detroit, MI, USA | 268 |

**PL11 Plenary Session
TREATING ADVANCED HEART FAILURE – THE PUMPS AND BEYOND**

| Chairs: | M.R. Johnson , Madison, WI, USA H.N. Sabbah , Detroit, MI, USA | Abstract No. |
|---------|---|--------------|
| 14:00 | USE OF THE NONIONIC BLOCK COPOLYMER, VEPOLOXAMER (P-188) FOR THE TREATMENT OF ADVANCED HEART FAILURE (Invited Lecture) H.N. Sabbah , R.C. Gupta, V. Sing-Gupta, M. Emanuele Henry Ford Hospital, Detroit, MI, USA | 269 |
| 14:15 | THE PRESENT AND FUTURE OF THE TOTAL ARTIFICIAL HEART (Invited Lecture) F. Arabia , I. Gregoric, V. Kasirajan, J. D Moriguchi, D. C Naftel, S. L Myers, J. K Kirklin Cedars-Sinai Medical Center, Los Angeles, CA, USA | 270 |
| 14:30 | THE BENEFITS AND RISKS OF LEFT VENTRICULAR ASSIST DEVICE IMPLANTATION; WHERE IS THE POINT OF CLINICAL EQUIPOISE? (Invited Lecture) M.R. Johnson University of Wisconsin, Madison, WI, USA | 271 |
| 14:45 | OPTIONS FOR REMOTE PATIENT MONITORING IN THE LVAD POPULATION (Invited Lecture) S.P. Bhavnani, A. Srivastava, D. Meyer , R. Kuo, J. Nowaczyk, L. Wolman, S. Baradarian, T. Heywood Methodist Health System, Dallas, Texas, USA | 272 |
| 15:00 | TRANSITION TO STAGE D HEART FAILURE AMONG STABLE OUTPATIENTS WITH SYSTOLIC HEART FAILURE (Invited Lecture) A.P. Kalogeropoulos , A.A. McCue, J.S. Hedley, A. Samman-Tahhan, J.B. Bjork, V.V. Georgiopoulou, J.D. Vega, A.L. Smith Emory University, Atlanta, GA, USA | 273 |
| 15:15 | MYOCARDIAL RECOVERY DURING VENTRICULAR UNLOADING IN PATIENTS WITH CHRONIC CARDIOMYOPATHY: ASSESSMENT OF CARDIAC IMPROVEMENT AND WEANING FROM VENTRICULAR ASSIST DEVICES (Invited Lecture) M. Dandel Deutsches Herzzentrum Berlin, Berlin, Germany | 274 |
| 15:30 | TREATING FLUID OVERLOAD WITH FLUID; ROLE OF PERITONEAL DIALYSIS IN MANAGEMENT OF HEART FAILURE (Invited Lecture) A. Kazory University of Florida, Gainesville, Florida, USA | 275 |
| 15:45 | ACELLULAR BIOLOGICS FOR CARDIAC REGENERATION (Invited Lecture) A. Behfar Mayo Clinic, Rochester, MN, USA | 276 |

SUNDAY, JULY 31, 2016

14:00 – 16:30

Hall A

PL11 Plenary Session

TREATING ADVANCED HEART FAILURE – THE PUMPS AND BEYOND (cont.)

Abstract No.

- 16:00 WHOLE HEART REGENERATION WITH HUMAN iPS CELL-DERIVED HEART PROGENITORS (Invited Lecture) **277**
B. Lin, T-Y Lu, J. Kim, M. Sullivan, K. Tobita, G. Salama, **L. Yang**
University of Pittsburgh, Pittsburgh, PA, USA
- 16:15 NEWER IMPLANTABLE DEVICES IN HEART FAILURE (Invited Lecture) **278**
K. Srivathsan
Mayo Clinic, Phoenix, AZ, USA
- 16:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

14:00 – 16:00

Hall B

PL12 Plenary Session

MULTIMODALITY IMAGING FOR EVALUATION OF CARDIOVASCULAR DISEASE

Chairs: **A. Elhendy**, Marshfield, WI, USA
J.M. Gardin, Teaneck, NJ, USA

Abstract No.

- 14:00 ROLE OF ECHOCARDIOGRAPHY IN EPIDEMIOLOGIC STUDIES AND CLINICAL TRIALS: AN HISTORICAL PERSPECTIVE (Invited Lecture) **279**
J.M. Gardin
Hackensack University Medical Center, Rutgers New Jersey Medical School, NJ, USA
- 14:15 CARDIAC IMAGING FOR EVALUATION OF CORONARY ARTERY DISEASE IN PATIENTS WITH HYPERTENSION (Invited Lecture) **281**
A. Elhendy
Marshfield Clinic, Marshfield, WI, USA
- 14:30 MULTIMODALITY IMAGING IN CARDIOMYOPATHY (Invited Lecture) **282**
J. Shirani
St. Luke's University Health Network, Bethlehem, PA, USA
- 14:45 ECHOCARDIOGRAPHIC QUANTITATION OF AORTIC REGURGITATION (Invited Lecture) **283**
H. Chaliki
Mayo Clinic College of Medicine, Mayo Clinic, Scottsdale, AZ, US

SUNDAY, JULY 31, 2016

14:00 – 16:00 **Hall B**

PL12 **Plenary Session**
MULTIMODALITY IMAGING FOR EVALUATION OF CARDIOVASCULAR DISEASE (cont.)

| | | Abstract No. |
|-------|---|--------------|
| 15:00 | CURRENT STATUS OF INTRAVASCULAR IMAGING (Invited Lecture) S.K.G. Koshy , L.K. George Regional One Health - University of Tennessee Health Sciences Center, Memphis TN, USA | 284 |
| 15:15 | THE USE OF POINT OF CARE ULTRASOUND TO GUIDE MANAGEMENT IN HEART FAILURE (Invited Lecture) I. Kedan , R. Khandwalla, R. Zimmer, K. Birkeland Cedars Sinai Heart Institute, Beverly Hills, CA, USA | 285 |
| 15:30 | POSITIVE STRESS ECHO AND NORMAL CORONARY ARTERIES: HOW OFTEN AND WHY? (Invited Lecture) M. Prokudina , E. Bobrova, E. Shloido, I. Konstantinov, P. Mochalov Almazov North-West Medical Research Center, St-Petersburg, Russia | 286 |
| 15:45 | INTRAVASCULAR OPTICAL IMAGING TECHNOLOGY FOR DETECTION OF HIGH-RISK PLAQUE (Invited Lecture) H. Yoo | 287 |
| 16:00 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

14:00 – 16:15 **Hall C**

S30 **RISK STRATIFICATION AND SECONDARY PREVENTION OF CARDIOVASCULAR
DISEASE**

Chairs: **R.S. Rosenson**, New York, NY, USA
L. Sperling, Atlanta, GA, USA

| | | Abstract No. |
|-------|--|--------------|
| 14:00 | ASTHMA ASSOCIATES WITH HUMAN ABDOMINAL AORTIC ANEURYSM AND RUPTURE C.L. Liu , H. Wemmelund, J. Lindholt, B. Levy, P. Libby, G.P. Shi Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA | 288 |
| 14:15 | ASSOCIATION BETWEEN HIGH-DENSITY LIPOPROTEIN AND CARDIOVASCULAR DISEASE OUTCOMES M.S. Sidhu , M. Pragani, W.E. Boden, R.P. Smith, L.H. Bopp, M.E. Rafferty Albany Medical Center and Albany Stratton Veterans Affairs Medical Center, Albany, NY, USA | 289 |
| 14:30 | FAILING TO MEET HEART FAILURE PATIENTS' BASIC NUTRITIONAL NEEDS-WHO'S LISTENING? A. Kodra , J. Jacobson, R. Graham Lenox Hill Hospital, New York, NY, USA | 290 |

SUNDAY, JULY 31, 2016

14:00 – 16:15

Hall C

S30 RISK STRATIFICATION AND SECONDARY PREVENTION OF CARDIOVASCULAR DISEASE (cont.)

Abstract No.

- 14:45 THE RUMC INDEX: PREDICTING MORTALITY USING A COMBINED EWS AND NLR SCORING SYSTEMS 291
A.J. Park, X. Wang, V. Arulthasan, D.A. Bloomfield
Richmond University Medical Center, Staten Island, NY, USA
- 15:00 TRIAGE AFTER EXERCISE TREADMILL TEST (TEXT) STUDY: A SINGLE CENTER EXPERIENCE WITHIN AN INTEGRATED HEALTHCARE DELIVERY SYSTEM 292
A. Krishnaswami, W. Ho, W. Kwan, C. Tsou, O. Anaya, S.F. Jiang, J.J. Jang, W. Praserthdam
Division of Cardiology, Kaiser Permanente, San Jose, CA, USA
- 15:15 GENERALIZED ANXIETY DISORDER IN PATIENTS AFTER ACUTE MYOCARDIAL INFARCTION: A POPULATION-BASED COHORT STUDY 293
W-C. Tzeng
National Defense Medical Center, Taipei, Taiwan
- 15:30 COMPARISON BETWEEN RISK FACTORS AND ANGIOGRAPHIC CHARACTERIZATION OF YOUNG VERSUS OLD PATIENTS WITH STEMI 294
S.H. Majidi, S. Yazdankhah, **M.H. Adel**, R. Hajizadeh, M. Syeidian, N. Akiash, M. Noorizadeh
Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Khuzestan, Iran
- 15:45 HEARTFIT: PRELIMINARY RESULTS OF A PILOT CARDIAC OUTPATIENT SELF-MANAGEMENT PROGRAMME 295
J. Choy, M. Tay
Tan Tock Seng Hospital, Singapore
- 16:00 DEVELOPMENT OF A HOLISTIC MODEL TO PREVENT AND REVERSE CORONARY ARTERY DISEASE: SAAOL (SCIENCE AND ART OF LIVING) SAFETY CIRCLE 296
B. Chhajer, V. Singh, G. Kumari
SAAOL Heart Center, New Delhi, India
- 16:15 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

S31 MOLECULAR CARDIOLOGY AND VASCULAR BIOLOGY, BASIC RESEARCH

Chairs: **A.A. Knowlton**, Davis, CA, USA
C.S. Long, Denver, CO, USA

Abstract No.

- 14:00 DEFICIENCY OF FILAMIN A IN ENDOTHELIAL CELLS IMPAIRS LEFT VENTRICULAR REMODELING AFTER MYOCARDIAL INFARCTION **297**
S. Bandaru, J. Grönros, B. Redfors, Ç. Çil, D. Pazooki, R. Salimi, E. Larsson, A.X. Zhou, E. Ömerovic, **L.M. Akyürek**
University of Gothenburg, Sweden,
- 14:15 A TRANSGENIC MOUSE MODEL OF ATHEROSCLEROTIC PLAQUE CALCIFICATION **298**
F. Romanelli, A.M. Corbo, A.Y. Savinov, J.L. Millan, **O.V. Savinova**
New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA
- 14:30 THYROID HORMONE INDUCES VASCULAR RELAXATION THROUGH VASP PHOSPHORYLATION AT SERINE 239: A POTENTIAL THERAPEUTIC APPROACH TO TREAT DIABETIC VASCULAR DYSFUNCTION **299**
M.A. Carrillo-Sepulveda, S. Samuel, A. Martin Gerdes
New York Institute of Technology, Old Westbury, NY, USA
- 14:45 INTRALIPID PROTECTS THE HEART AGAINST ISCHEMIA/REPERFUSION INJURY BY REDUCING CARDIOMYOCYTE APOPTOSIS VIA MIR122 INDUCTION IN LATE PREGNANCY **300**
J. Li, **N. Motayaghani**, N. Barakati, M. Eghbali
UCLA, Los Angeles, CA, USA
- 15:00 THE ACTION OF NUTRACEUTICALS ON KEY MACROPHAGE PROCESSES ASSOCIATED WITH ATHEROSCLEROSIS **301**
T.S. Davies, H. Gallagher, J.W.E. Moss, F.B. Jaffar, W. Al-Ahmadi, F. Harris, **D.P. Ramji**
Cardiff University, Cardiff, UK
- 15:15 HEME OXYGENASE-1 DEFICIENCY EXACERBATES ABDOMINAL AORTIC ANEURYSM **302**
Y.C. Ho, M.L. Wu, **S.F. Yet**
National Health Research Institutes, Zhunan, Taiwan
- 15:30 PROTEOMIC PROFILING OF THE AGED MDX-4CV HEART MODEL OF DYSTROPHINOPATHY-RELATED CARDIOMYOPATHY **303**
S. Murphy, P. Dowling, **K. Ohlendieck**
Maynooth University, Maynooth, Co. Kildare, Ireland

| PL13 Plenary Session | | |
|---|---|--------------|
| SYSTEMIC AND PULMONARY ARTERY HYPERTENSION: EXPENDING THERAPEUTIC OPTIONS | | |
| Chairs: W.S. Aronow , Valhalla, NY, USA Z.S. Galis , Bethesda, MD, USA | | Abstract No. |
| 16:45 | 2016 UPDATE ON TREATMENT OF HYPERTENSION (Invited Lecture) W.S. Aronow Westchester Medical Center/New York Medical College, Valhalla, NY, USA | 304 |
| 17:00 | NITRIC OXIDE, GI PROTEINS AND REGULATION OF BLOOD PRESSURE (Invited Lecture) E. Hossain, O. Sarkar, Y. Li, M.B. Anand-Srivastava University of Montreal, Montreal, Quebec, Canada | 305 |
| 17:15 | HYPERTENSION UPDATE: <i>QUO VADIMUS?</i> (Invited Lecture) Z.S. Galis Vascular Biology and Hypertension, National Heart Lung and Blood Institute, Bethesda, MD, USA | 306 |
| 17:30 | THERAPEUTIC, PREVENTIVE AND PROGNOSTIC ASPECTS OF EXERCISE IN HYPERTENSION (Invited Lecture) P. Kokkinos Veterans Affairs Medical Center, Washington, DC, USA and Georgetown University School of Medicine, Washington, DC, USA | 308 |
| 17:45 | EXERCISE RELATED HYPERTENSION (ERH) MAY NOT BE A BENIGN PHENOMENON (Invited Lecture) Y. Charuzi , J.M. Mirocha Cedars Sinai Medical Center, LA, USA | 310 |
| 18:00 | UPDATE ON EFFECT OF ISOLATED SYSTOLIC VERSUS SYSTOLIC-DIASTOLIC HYPERTENSION IN OLDER ADULTS A. Tsimploulis, S. Weerakoon , A. Ahmed Georgetown University/Washington Hospital Center, USA | 311 |
| 18:15 | GENOME-WIDE ASSOCIATION STUDY ON SALTINESS AND ASSOCIATION OF TOP-RANKING SNPS WITH BLOOD PRESSURE D. Corella , R. Fernandez-Carrion, R. Barragan-Arnal, A. Rodrigues-Cruz, I. Gonzalez-Monje, L. Quiles, J.V. Sorli, J.M. Ordovas, O. Coltell CiberOBN, Madrid, Spain | 312 |

SUNDAY, JULY 31, 2016

16:45 – 19:00

Hall C

| S32 | ARRHYTHMIA II: SUDDEN CARDIAC DEATH / ADVANCES IN IMPLANTABLE RHYTHM DEVICE THERAPY | Abstract No. |
|-------|--|--------------|
| | Chair: J.R. Gimbel , Cleveland, OH, USA H. Paydak , Little Rock, AR, USA | |
| 16:45 | ICD-FORUM - WEB-BASED PSYCHOSOCIAL SUPPORT FOR PATIENTS WITH IMPLANTABLE CARDIOVERTER DEFIBRILLATORS S.M. Schulz , R. Zniva, O. Ritter, C. Wacker, M. Jack, G. Groschup, T. Deneke, P. Pauli Comprehensive Heart Failure Center - Wuerzburg, University Hospital Wuerzburg, Germany | 313 |
| 17:00 | THE SUBCUTANEOUS IMPLANTABLE CARDIOVERTER-DEFIBRILLATOR: FIRST SINGLE-CENTER EXPERIENCE WITH OTHER CARDIAC IMPLANTABLE ELECTRONIC DEVICES J. Kuschyk , B. Rudic, S. Roeger, E. Tueluemen, V. Liebe, M. Borggrefer University Medical Center Mannheim, DZHK partner site Mannheim, Germany | 314 |
| 17:15 | THE INCIDENCE OF TORSADES DE POINTES AFTER PROPOFOL EXPOSURE V. Abrich , H. Ramakrishna, A. Mehta, F. Mookadam, K. Srivathsan Mayo Clinic Arizona, Phoenix, AZ, USA | 315 |
| 17:30 | INTRA-HIS BLOCK RARELY PROGRESS TO PACEMAKER DEPENDENCY: A CASE SERIES L. Ragupathi, D. Johnson , B.B. Pavri Thomas Jefferson University Hospital, Philadelphia, PA, USA | 316 |
| 17:45 | LONG-TERM COMPLICATIONS OF EPICARDIAL PACING WIRES ABANDONED FOLLOWING CARDIAC SURGERY A. Singh , A. Shi, H. Vefali, S. Agrawal, A. Sinha, J. Shirani St Lukes University Hospital, Bethlehem, PA, USA | 317 |
| 18:00 | SAFETY AND EFFICACY OF TRANSVENOUS EXTRACTION OF PACEMAKER AND CARDIOVERTER-DEFIBRILLATOR LEADS H. Vefali , M. Durkin, A. Singh, S. Agrawal, S. Nanda, D. Traub, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA | 318 |
| 18:15 | DEVICE IMPLANTATION CONUNDRUM: OPTIMAL MANAGEMENT OF A PATIENT WITH MIXED PHENOTYPE CHANNELOPATHY H. Latt , J. Evans, University of Nevada, Reno, Nevada, USA | 319 |
| 18:30 | INAPPROPRIATE SHOCKS DUE TO CHATTERING OF THE LEADS FROM AN INVESTIGATIONAL DEVICE FOR CARDIAC CONTRACTILITY MODULATION AND A DEFIBRILLATION LEAD T.T. Aung , A. Wase, J. Pollock, Wright State University, Dayton, OH, USA | 320 |
| 18:45 | A COMPARISON OF ACTIVE AND PASSIVE LEAD IMPLANTATION: IS OPERATING EXPERIENCE A FACTOR? J. Basu , C. Wrigley, R. Soar, W. Orr Royal Berkshire Hospital, Reading, UK | 321 |

S33 ACUTE CORONARY SYNDROME: FROM BENCH TO BEDSIDE

| | Chairs: M-R. Movahed , Tucson, AZ, USA Y. Ueda , Osaka, Japan | Abstract No. |
|-------|--|--------------|
| 16:45 | INCIDENCE AND RISK FACTORS FOR AKI PRE-CARDIAC CATHERIZATION IN PATIENTS PRESENTING WITH STEMI M. Ashukem , J. Cohen, J. Diamond, J. Badlani, M. Calfa, C. Mendoza University of Miami/Jackson Memorial Hospital, Miami, FL, USA | 322 |
| 17:00 | CORONARY COLLATERALS ARE NOT CARDIOPROTECTIVE IN MULTIETHNIC STEMI PATIENTS AFTER REVASCULARIZATION A. Avezbadalov , A. Jaiswal, E.N. Moustakakis, C.H. Park, A.J. Buda Weill Cornell Medical College, New York, NY, USA | 323 |
| 17:15 | THE HIGH-DEGREE ATRIOVENTRICULAR BLOCK REMAINS A SEVERE PROGNOSTIC MARKER IN THE PRIMARY PERCUTANEOUS CORONARY INTERVENTION ERA P. Dobes , University Hospitals of Leicester NHS Trust, Leicester, UK | 324 |
| 17:30 | IMAGING DEBAKEY'S DEBACLE: AN UNUSUAL CULPRIT FOR ST ELEVATION A. Alsaad , O. Odunukan, Mayo Clinic, Jacksonville, FL, USA | 325 |
| 17:45 | RELATION BETWEEN THE LEVEL OF RED BLOOD CELL DISTRIBUTION AND ELECTROCARDIOGRAM CHANGES AND ECHOCARDIOGRAPHIC WALL MOTION SCORE INDEX IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION M. Toufan, M. Rezazadehsaatlou , F. Akbarzadeh Tabriz University of Medical Sciences, Tabriz, Eastern Azerbaijan, Iran | 326 |
| 18:00 | SEVERE CHEST PAIN MIMICKING ACUTE CORONARY SYNDROME IN A DIABETIC PATIENT WITH MYASTHENIA GRAVIS A. Chiriac , S.V. Pislaru, P.A. Pellikka, Mayo Clinic, Rochester, MN, USA | 327 |
| 18:15 | ACUTE LEFT MAIN THROMBOSIS DURING EXERCISE TESTING A. Quddus , A. Smith, A. Singh, Y. Manda, P. Puleo, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA | 328 |
| 18:30 | IS THERE ANY CORRELATION BETWEEN PLATELET INDICES WITH EXTENT OF CORONARY ARTERY INVOLVEMENT IN ISCHEMIC HEART DISEASES? M.H. Adel, M. Seyedian, M. Jafarsalehi, M. Nourizadeh, S. Bagheri, M. Nourizadeh, P. Nabavizadeh Rafsanjani, A. Shams Akhtari Ahwaz Jundishapur University of Medical Sciences | 329 |
| 18:45 | CORRELATION BETWEEN ELECTROCARDIOGRAPHIC CHANGES AND CORONARY ANGIOGRAPHY FINDINGS IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION AND SINGLE-VESSEL DISEASE A. Sanaani , W.S. Aronow, R. Paudel, H. Cooper Westchester Medical Ctr/New York Medical College, Valhalla, NY, USA | 330 |
| 19:00 | LEFT BUNDLE BRANCH BLOCK: IS IT TIME TO RECONSIDER THE CRITERIA FOR PRIMARY PERCUTANEOUS CORONARY INTERVENTION? J. Basu, M. Mikhail , T. Realey, W. Orr Royal Berkshire NHS Foundation Trust, Reading, UK | 038 |

SUNDAY, JULY 31, 2016

13:30 – 18:30

Poster Hall

P401 INTERVENTIONAL CARDIOLOGY FOR HEART VALVE DISEASE

| Board No. | | Abstract No. |
|---|--|--------------|
| 1 | TRANSCATHETER AORTIC VALVE IN VALVE REPLACEMENT: EVALUATION OF MEAN AORTIC ECHOGRAPHIC GRADIENTS R. Radjef , D.D. Wang, B. Fuller, A. Taylor, J. Wyman, J. Borgi, G. Paone, M. Eng, A. Greenbaum, W.W. O'Neill Henry Ford Hospital, Detroit, MI, USA | 331 |
| 2 | FIRST YEAR EXPERIENCE OF A NEW TAVR SITE: WHAT IS THE DURATION OF THE TAVR LEARNING CURVE? G.A Rogers , E. Kaluski, S. Sattur, F. Reitknecht, D. Sporn Guthrie Health Systems, Sayre, PA, USA | 332 |
| 3 | IMPACT OF ADVANCES IN TAVR TECHNOLOGY ON PROCEDURAL VOLUME H. El-Haddad, R. Kafa , M. Davis, A. Vargas, B. Al Khiami, Y. Bayissa, M. Alqasrawi, C. Ward, F. Zahr University of Iowa Hospitals and Clinics, Iowa City, IA, USA | 333 |
| 4 | EFFECT OF DAY OF PROCEDURE ON OUTCOMES OF TRANSCATHETER AORTIC VALVE IMPLANTATION IN THE UNITED STATES: ANALYSIS FROM LARGE NATIONAL REGISTRY S.V. Patel, P. Patel, M. Patel, A. Rajabalan, A. Saggu , T. Singh, A. Badheka Western Reserve Health Education/NEOMED, Youngstown, OH, USA | 334 |
| 5 | PERCUTANEOUS CLOSURE OF A MITRAL PARAVALVULAR LEAK ANTEGRADELY WITHOUT MAKING A FEMORO-FEMORAL LOOP IN A PATIENT WITH BOTH MITRAL AND AORTIC VALVE REPLACEMENT C. Barcin , O. Baysan, M. Celik, U.C. Yuksel, E. Yildirim, H.K. Kabul, B. Bugan Gulhane Military Medical Academy, Ankara, Turkey | 335 |
| P402 VASCULAR (PERIPHERAL AND CAROTID) AND AORTIC DISEASES | | |
| 6 | COMPARISON AORTIC DISSECTION DETECTION RISK SCORE AND D-DIMER IN DIAGNOSIS OF ACUTE AORTIC DISSECTION S. Koderu , J. Kanda Asahi General Hospital, Asahi, Chiba, Japan | 336 |
| 7 | TAKAYASU ARTERITIS PRESENTING WITH DIFFUSE AORTIC ULCERS K. Anouti , A. Khaji, M. Maalouf, K. Hawthorne Lankenau Medical Center, Wynnewood, PA, USA | 337 |
| 8 | EFFECT OF ANICOAGULANT ON DEEP VEIN THROMBOSIS T. Tomaru , S. Koderu, T. Matsubara, E. Matsubara, T. Kon, J. Suzuki, T. Tsutsumi, T. Nakajima Toho University Sakura Medical Center, Sakura, Chiba, Japan | 338 |
| 9 | PROGNOSIS OF PATIENTS WITH MILD TO MODERATE CAROTID SCLEROSIS T. Matsubara, S. Koderu , E. Matsubara, T. Kurosu, J. Suzuki, T. Kon, T. Tomaru Tokyo University Hospital, Tokyo, Japan M. Morsy, W.I. Khalife, K. Sadat UTMB, Galveston, TX, USA | 339 |

SUNDAY, JULY 31, 2016

13:30 – 18:30

Poster Hall

P402 VASCULAR (PERIPHERAL AND CAROTID) AND AORTIC DISEASES (cont.)

| Board No. | | Abstract No. |
|---|--|--------------|
| 10 | AGGRESSION, IRE, HOSTILITY AND CAROTID THICKNESS MEASURED IN ADOLESCENTS V. Romero , E. Silva, J. Villasmil, G. Bermudez, M. Bracho, F. Madueño Instituto de Investigaciones de Enfermedades Cardiovasculares de la Universidad del Zulia, Maracaibo, Estado Zulia, Venezuela | 340 |
| 11 | PRESENCE OF AORTIC PLAQUE MAY PREDICT CORONARY ARTERY DISEASE T. Tomaru , S. Kodera, E. Mastubara, T. Matsubara, J. Suzuki, T. Tabata, T. Kon, T. Tsustumi Toho University Sakura Medical Center, Sakura, Chiba, Japan | 341 |
| P403 ATRIAL FIBRILLATION AND SUPRAVENTRICULAR ARRHYTHMIA | | |
| 12 | ELECTROCAUTERY INDUCED ATRIAL FIBRILLATION - WHAT IS THE MECHANISM? N.V.K. Pothineni , J. Payne, S. Kovelamudi, A. Shanbhag, P. Gurrarn, A. Deshmukh, H. Paydak University of Arkansas for Medical Sciences, Little Rock, AR; USA | 342 |
| 13 | LOW ENERGY CARADIOVERSION FOR ATRIAL FLUTTER V.O. Obi, N. Isber, D. Bloomfield, M. Arulthasan Richmond University Medical Center, Staten Island, New York NY, USA | 343 |
| 14 | NEW-ONSET ATRIAL FIBRILLATION ASSOCIATED WITH CYCLOPHOSPHAMIDE-INDUCED CARDIOTOXICITY: CASE REPORT A.C. Guta , A.M. Daraban, A. Burducea, D. Bartos Bucharest Emergency Clinical Hospital- Foreasca, Romania | 344 |
| 15 | EFFECT OF DABIGATRAN ON PLATELET REACTIVITY-A PROOF OF CONCEPT STUDY S.R. Devabhaktuni, A. Annapureddy , A. Namazi, A. Malik, L. Dizon, C. Miranda, A. Gururaj, C. Ahsan University of Nevada School of Medicine, Las Vegas, NV, USA | 345 |
| 16 | INTRACARDIAC THROMBUS IN A WARFARIN RESISTANT PATIENT F. Khan , B.C. Berger, Abington Jefferson Health, Abington, PA, USA | 346 |
| P404 ARRHYTHMIAS: DIAGNOSIS AND TREATMENT | | |
| 17 | THE EFFECT OF FLECAINIDE AND RANOLAZINE ON CALCIUM TRANSIENTS IN RAT CARDIOMYOCYTES S. Chawla , A. Alvarez-Laviada, K. Macleod Imperial University, Hammersmith, University of Southampton, Southampton, UK | 347 |
| 18 | EFFICACY OF CLASS IC VERSUS CLASS III ANTIARRHYTHMICS AFTER CRYOABLATION USING THE ARCTIC FRONT ADVANCE CATHETER A. Avezbadalov , S. Pollack, A.F. Osman NOVA Southeastern University, Fort Lauderdale, FL, USA | 348 |

SUNDAY, JULY 31, 2016

13:30 – 18:30

Poster Hall

P404 ARRHYTHMIAS: DIAGNOSIS AND TREATMENT (cont.)

| Board No. | | Abstract No. |
|-----------|--|--------------|
| 19 | ELECTROCARDIOGRAPHIC BRUGADA PATTERN UNMASKED BY CORONARY VASOSPASM IN A COCAINE USER Y. Manda, S. Nanda, A. Singh , S. Agrawal, W. Samuel Towne, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA | 349 |
| 20 | WIDE COMPLEX TACHYCARDIA WITH PROPAFENONE USE – EXPLAIN IT TO MY HEART S. Neupane , S. Edla, A. Shakir St John Hospital and Medical Center, Detroit, MI, USA | 350 |
| 21 | IVABRADINE'S POTENT EFFECT ON THE AV NODE: A CASE OF 2ND DEGREE HEART BLOCK B. Louka , V. Abrich, B. Yeneneh, K. Srivathsan Mayo Clinic, Arizona, USA | 351 |
| 22 | BRUGADA PATTERN ELECTROCARDIOGRAPHIC CHANGES IN A PATIENT WITH LITHIUM TOXICITY AND FEVER N. Mehta , A. Kanthala, M. Schinlever Rochester Regional Health, Unity Hospital, Rochester, NY, USA | 352 |

P405 CARDIAC SURGERY / MECHANICAL CIRCULATORY SUPPORT

| | | |
|----|--|-----|
| 23 | USE OF MECHANICAL CIRCULATORY SUPPORT IN OCTOGENARIANS FOR PERCUTANEOUS CORONARY INTERVENTIONS Y.R. Manda , S. Agrawal, S. Bernalgi, A. Quddus, H. Vefali, A. Singh, A. Sinha, A. Abichandani, J. Shirani, P. Puleo St Luke's University Health Network, Bethlehem, PA, USA | 353 |
| 24 | LACK OF POST LVAD IMPLANTATION WEIGHT LOSS IS ASSOCIATED WITH VOLUME OVERLOAD DURING INTERMEDIATE FOLLOW UP F. Fahad , D. Belov, M.A. Norton, E. Philbin, M. Tallman, S. Miller, M. Torosoff Albany Medical Center, Albany, NY, USA | 354 |
| 25 | THE HIBERNATING LIMA: A CASE REPORT DESCRIBING IMPROVEMENT IN LEFT INTERNAL MAMMARY ARTERY GRAFT FLOW AFTER PROGRESSION OF NATIVE VESSEL CORONARY ARTERY DISEASE S. Desai , B. Louka, F.D. Fortuin Mayo Clinic Arizona, Department of Cardiovascular Disease, Scottsdale, AZ, USA | 355 |
| 26 | THROMBOSIS IN THE HEARTWARE PUMP: CLINICAL PRESENTATION AND MANAGEMENT DECISIONS M.B. Jayanna , C. Inampudi, R. Kafa, J.L. Franzwa, V. Cotarlan, J.K. Bhamma, K. Light-McGroary University of Iowa Carver College of Medicine, Iowa City, IA, USA | 356 |
| 27 | TRIPLE CHAMBER MYXOMA (BIATRIAL AND RIGHT VENTRICULAR) IN A 17 YEAR OLD MALE L.K.M. Evangelista , J.A. See, A.M.A. Javelosa, D.R.K. Salvador De La Salle University Medical Center, Dasmariñas City, Cavite, Philippines | 357 |

SUNDAY, JULY 31, 2016

13:30 – 18:30

Poster Hall

P405 CARDIAC SURGERY / MECHANICAL CIRCULATORY SUPPORT (cont.)

| Board No. | | Abstract No. |
|-----------|--|--------------|
| 28 | MEDIASTINAL HEMATOMA CAUSING SYNCOPE: AN EXTRA-PERICARDIAL CULPRIT FOR TAMPONADE S.M. Dhannoon , A.A. Alsaad University of Central Florida, Orlando, Florida, USA | 358 |
| 29 | INTRAOPERATIVE GRAFT VERIFICATION IN CORONARY SURGERY: WHY, WHEN AND HOW SHOULD WE VERIFY CORONARY ARTERY BYPASS GRAFTS G. Di Giammarco, D. Marinelli , M. Foschi, M. Di Mauro, M. Di Natale University "G.D'Annunzio", Chieti, Italy | 359 |



INTERNATIONAL
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CARDIOLOGY

INTERNATIONAL ACADEMY OF CARDIOLOGY
ANNUAL SCIENTIFIC SESSIONS 2016
21st WORLD CONGRESS ON
HEART DISEASE

BOSTON, MA, USA, JULY 30-AUGUST 1, 2016

SCIENTIFIC
PROGRAM

Monday, AUGUST 1, 2016

SCIENTIFIC PROGRAM



MONDAY, AUGUST 1, 2016

08:30 – 11:00

Hall A

PL14 Plenary Session

EVALUATION AND TREATMENT OF CHRONIC AND ACUTE CORONARY ARTERY DISEASE

Chairs: **U. Thadani**, Oklahoma City, OK, USA
G.W. Vetrovec, Richmond, VA, USA

Abstract No.

- | | | |
|-------|--|-----|
| 08:30 | EVIDENCE FOR BENEFITS FOR CHRONIC TOTAL OCCLUSION INTERVENTIONS IN 2016 (Invited Lecture) R. Sachdeva , Grady Memorial Hospital, Atlanta, GA, USA | 360 |
| 08:45 | PREVENTION OF ACUTE MI BY AGGRESSIVE APPROACH TO TREAT UNSTABLE ANGINA (Invited Lecture) Y. Ueda , Osaka National Hospital, Osaka, Japan | 361 |
| 09:00 | OPTIMUM TREATMENT OF ANGINA PECTORIS SHOULD TAKE INTO CONSIDERATION PATIENTS' CIRCULATORY STATUS AND THE PRESENCE OF ASSOCIATED COMORBIDITIES IN THE YEAR 2016 (Invited Lecture) U. Thadani OU Medical Center and VA Medical Center, Oklahoma City, Oklahoma, USA | 362 |
| 09:15 | CONTROVERSIES IN ANTIPLATELET AND ANTICOAGULANT THERAPY (Invited Lecture) D.L. Bhatt Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA | 363 |
| 09:30 | THE ROLE OF HEMODYNAMIC SUPPORT IN THE MANAGEMENT OF AMI WITH SHOCK (Invited Lecture) G.W. Vetrovec , VCU Medical Center Richmond, Virginia USA | 364 |
| 09:45 | DELIRIUM IN THE INTENSIVE CARE UNIT: MORE THAN A NUISANCE (Invited Lecture) G.W. Barsness , Mayo Clinic, Rochester, MN, USA | 365 |
| 10:00 | UPDATE ON CONTRAST REMOVAL FROM CORONARY SINUS DURING CORONARY ANGIOGRAPHY OR INTERVENTION FOR PREVENTION OF CONTRAST INDUCED NEPHROPATHY (Invited Lecture) M.R. Movahed CareMore, Tucson, Arizona, University of Arizona College of Medicine, USA | 366 |
| 10:15 | TRANSULNAR INTERVENTIONS (Invited Lecture) E. Kaluski , M. Singh, S. Sattur, Guthrie Health System, PA, USA | 367 |
| 10:30 | CARDIORENAL DISEASE: HOW TO MANAGE ISCHEMIA IN PATIENTS WITH SEVERE CKD?(Invited Lecture) M.S. Sidhu , Albany Stratton VAMC and Albany Medical Center, Albany, NY, USA | 368 |
| 10:45 | HIGH-SENSITIVITY ASSAY FOR CADIAC TROPONIN: NOVEL TOOLS FOR RISK PREDICTION IN AMBULATORY PATIENTS (Invited Lecture) B.M. Everett , Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA | 369 |
| 11:00 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

MONDAY, AUGUST 1, 2016

08:30 – 10:45

Hall B

PL15 Plenary Session

MECHANISMS CONTRIBUTING TO HEART FAILURE DEVELOPMENT AND PROGRESSION

Chairs: **F. Gao**, Xi'an, Shaanxi, China
B.I. Jugdutt, Edmonton, Alberta, Canada

Abstract No.

- | | | |
|-------|---|-----|
| 08:30 | IMPACT OF EXERCISE CAPACITY FOR RIGHT AND LEFT HEART FAILURE A. Hirashiki , T. Kondo, A. Shimizu, T. Murohara Nagoya University Graduate School of Medicine, Nagoya, Japan | 370 |
| 08:45 | CARDIOVASCULAR EFFECTS OF CARFILZOMIB, A NEW PROTEASOME INHIBITOR, ON CORONARY ARTERY RESISTANCE, VASCULAR TONE AND VASCULAR REACTIVITY (Invited Lecture) T.M. Scarabelli , The University of Alabama at Birmingham, Birmingham, AL, USA | 371 |
| 09:00 | AGING AND HEART FAILURE 2016. UPDATE (Invited Lecture) B.I. Jugdutt , University of Alberta, Edmonton, Alberta, Canada | 372 |
| 09:15 | DIABETES AND HEART FAILURE: AN INFLAMMATORY PERSPECTIVE (Invited Lecture) M. White Montreal Heart Institute and Universite de Montreal, Montreal, Quebec, Canada | 374 |
| 09:30 | MYOCARDIAL INSULIN SIGNALING IN ISCHEMIC HEART FAILURE (Invited Lecture) X. Qin, J. Xu, X. Zhang, F. Gao Fourth Military Medical University, Xi'an, Shaanxi, China | 375 |
| 09:45 | HEMODYNAMIC ADAPTATION TO EXERCISE IN HYPERTROPHIC CARDIOMYOPATHY (Invited Lecture) Q. Ciampi , C. Viola, B. Villari, Fatebenefratelli Hospital, Beveneto, Italy | 376 |
| 10:00 | PREVENTION OF LV DIASTOLIC DYSFUNCTION AND ATRIOMEGALY IN THE AGING POPULATION (Invited Lecture) H.K. Reddy , R. Komatireddy, Heart and Vascular Institute of Southern Missouri, USA | 377 |
| 10:15 | CAN GDF-15 BE USED AS A BIOMARKER IN DILATED CARDIOMYOPATHY (Invited Lecture) N. Nair , Texas Tech HSC, Lubbock, TX, USA | 378 |
| 10:30 | CLINICAL UNDERSTANDING OF INFLAMMATION, INDUCING THROMBOGENESIS, RESPIRATORY IMPAIRMENT, MYOCARDIAL CELL APOPTOSIS AND REMODELLING, ANAEMIA AND RENAL DYSFUNCTION IN PATIENTS WITH PULMONARY AND COINCIDENT CARDIAC DYSPNEA (Invited Lecture) I. Angomachalelis, S. Tryfon, G. Kyriazis, N. Angomachalelis Aristotle University of Thessaloniki, "G. Papanickolaou" General Hospital, Thessaloniki, Macedonia, Greece | 379 |
| 10:45 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION | |

S34 HYPERTENSION, LIPIDS, DIABETES AND CARDIOVASCULAR DISEASE – FROM BENCH TO BEDSIDE

Chairs **D. Jezova**, Bratislava, Slovak Republic
S. Mora, Boston, MA, USA

Abstract No.

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|-------|--|-----|
| 08:30 | RISK OF INCIDENT CARDIOVASCULAR DISEASE ACCORDING TO THE METABOLIC HEALTH AND OBESITY STATES D. Navarro-González , L. Sánchez-Íñigo, A. Fernández-Montero, J. Pastrana-Delgado, J. Alfredo Martínez Garcia-Orcoyen Hospital, Navarra Health Service - Osasunbidea. Spain | 380 |
| 08:45 | STATINS REPRESS THE OXLDL-INDUCED HUMAN DENDRITIC CELL MATURATION AND SUBSEQUENT T CELL PROLIFERATION A. Liu , Y. Zhang, J. Sun, J. Frostegard Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden | 381 |
| 09:00 | RENAL ARTERY DENERVATION IN KAZAKHSTAN: IMPACT OF ETHNICITY AND AGE A.A. Mussayev , M.A. Aripov, S.A. Alimbayev, M.A. Temirkulov, E.B. Otarbaev, A.Y. Goncharov, G.K. Zhusupova, Y.V. Pya National Research Cardiac Surgery Center, Astana, Kazakhstan | 382 |
| 09:15 | THE CARDIOVASCULAR PRESENTATIONS AND OUTCOMES OF DIABETIC PATIENTS ADMITTED TO THE HEART HOSPITAL OVER 2 DECADES: INSIGHT FROM A HIGH-INCOME DEVELOPING COUNTRY A.A. El-Menyar , J. Al Suwaidi, H. Al-Thani, H. AlBinali, R. Singh Clinical Research, Hamad General Hospital, Doha, Qatar | 382 |
| 09:30 | CENTRAL OBESITY: AN INDEPENDENT ROLE OR SYNERGISTIC EFFECT TO METABOLIC SYNDROME ON LEFT VENTRICULAR FUNCTION (SYSTOLIC VS DIASTOLIC)? F.F. Salim, S.W. Bakhoum, Z.A. Ashour, D.R. Elremisy Kasralainy Hospital. Cardiology Department, Cairo University, Egypt | 384 |
| 09:45 | PEROXIREDOXIN1 PROTECTS MACROPHAGES FROM IMPAIRED LIPOPHAGIC FLUX BY OXIDATIVE STRESS IN ATHEROSCLEROSIS G.T Oh , S.-J Jeong, S Kim Ewha Womans University, Seoul, South Korea | 385 |
| 10:00 | HYPOLIPIDEMIC EFFECT OF MANNAN IN ACUTE LIPEMIA IN MICE INDUCED BY LIPASE INHIBITOR POLOXAMER 407 N.V. Goncharova, M.V. Khrapova, A.P. Lykov, E. Korolenko, Z. Nescakova, T.A. Korolenko Inst. Physiol. Fund. Med., Novosibirsk, Russia | 386 |
| 10:15 | EFFECT OF STATINS ON HIGH SENSITIVITY C-REACTIVE PROTEIN LEVELS IN SYSTEMIC LUPUS ERYTHEMATOSUS – A META-ANALYSIS P. Tantrachoti , S. Klomjit, A. Karukote, P. Chariyawong, J. Teerakanok, K. Nugent Texas Tech University Health Sciences Center, Lubbock, TX, USA | 387 |

MONDAY, AUGUST 1, 2016

08:30 – 10:45

Hall C

**S34 HYPERTENSION, LIPIDS, DIABETES AND CARDIOVASCULAR DISEASE –
FROM BENCH TO BEDSIDE (cont.)**

Abstract No.

10:30 A STUDY OF THE CONFOUNDING RELATIONSHIP OF FOOD,
ALCOHOL, COFFEE AND CIGARETTE CONSUMPTION ON SUBSEQUENT
BLOOD PRESSURE READINGS IN AMERICAN POPULATION

388

R.U. Mian

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

10:45 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

MONDAY, AUGUST 1, 2016

11:15 – 13:45

Hall A

PL16 Plenary Session

CARDIOVASCULAR DISEASE RISK ASSESSMENT AND PREVENTION: ALL YOU NEED TO KNOW

Chairs: **A.L. Klatsky**, Oakland, CA, USA
R. Manfredini, Ferrara, Italy

Abstract No.

- | | | |
|-------|--|-----|
| 11:15 | 'LARK' AND 'OWLS', GENDER, AND CARDIOVASCULAR HEALTH (Invited Lecture) R. Manfredini , B. Zucchi, A. De Giorgi, F. Fabbian, F. Signani, A. Storari, R. Salmi University of Ferrara, Ferrara, Italy | 389 |
| 11:30 | EDUCATION AND MORTALITY: IS A COLLEGE DEGREE UNIVERSALLY PROTECTIVE? (Invited Lecture) A.L. Klatsky , H.N. Tran Kaiser Permanente Division of Research, Oakland, CA, USA | 390 |
| 11:45 | SECONDARY PREVENTION OF CARDIOVASCULAR EVENTS (Invited Lecture) S. Mora Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA | 391 |
| 12:00 | BIOMARKERS OF THE FUTURE: METABOLOMIC PREDICTORS OF CARDIOMETABOLIC DISEASE (Invited Lecture) S. Cheng Brigham and Women's Hospital, Boston, and Framingham Heart Study, Framingham, MA, USA | 392 |
| 12:15 | INTEGRATIVE MEDICINE APPROACHES TO PREVENTING HEART DISEASE (Invited Lecture) S. Malik University of California, Irvine, Orange, CA, USA | 393 |
| 12:30 | HOLISTIC HEART HEALTH: INCREASING INTEREST, SCOPE & SIGNIFICANCE (Invited Lecture) A. Chockalingam University of Missouri - Columbia, Harry S. Truman Memorial Veterans' Hospital, Columbia, MO, USA | 394 |
| 12:45 | A CURRENT UPDATE ON INFLUENZA AND CARDIOVASCULAR DISEASES (Invited Lecture) M. Madjid University of Texas Health Science Center at Houston, Houston, TX | 395 |
| 13:00 | COCOA FLAVANOLS FOR PREVENTION OF DIABETES (Invited Lecture) L. Wang Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA | 396 |
| 13:15 | ROLE OF CVD RISK ASSESSMENT IN COPD (Invited Lecture) H.M. Lee , J. Lee, K. Lee, Y. Luo, D.D. Sin, N.D. Wong University of California, Irvine, Irvine, CA, USA | 397 |

MONDAY, AUGUST 1, 2016

11:15 – 13:45

Hall A

PL16 Plenary Session

CARDIOVASCULAR DISEASE RISK ASSESSMENT AND PREVENTION: ALL YOU NEED TO KNOW (cont.)

Abstract No.

- 13:30 SERUM MAGNESIUM AND MORTALITY IN THE US GENERAL POPULATION: RESULTS FROM THE NHANES I EPIDEMIOLOGIC FOLLOW-UP STUDY (Invited Lecture) **043**
X. Zhang, J. Xia, L.C. Del Gobbo, A. Hruby, K. He, Q. Dai, **Y. Song**
Richard M. Fairbanks School of Public Health, Indiana University, Indianapolis, USA

11:15 – 13:30

Hall B

S35 VALVULAR HEART DISEASE MECHANISMS AND TREATMENT OPTIONS

Chairs: **R. Sachdeva**, Atlanta, GA, USA
J. Shirani, Bethlehem, PA, USA

- 11:15 COMPARISON OF EARLY HEMODYNAMIC PERFORMANCE OF STENTED PERICARDIAL AND PORCINE AORTIC VALVES **398**
V. Sharma, S.V. Deo, S.E. Altarabsheh, Y.H. Cho, P.J. Erwin, S.J. Park
University of Utah, Salt Lake City, UT, USA
- 11:30 CLINICAL OUTCOMES OF TRANSCATHETER AORTIC VALVE REPLACEMENT IN PATIENTS OLDER THAN 85: A SINGLE-CENTER EXPERIENCE **399**
S. Gurevich, E. Ruiz-Rodríguez, E. Missov, D. Dempsey, T. Biring, R. John, K. Liao, D. Yannopolous, G. Raveendran, G. Helmer
University of Minnesota Medical Center, MN, USA
- 11:45 ASSOCIATION BETWEEN SERUM OSTEOPOINTIN LEVELS AND CALCIFIC AORTIC STENOSIS: A META-ANALYSIS **400**
P. Agasthi, S. Aloor, T. Washington-Plaskett, O. Egbuche, T.R. Dammalapati, R. Sachdeva
Morehouse School of Medicine, Atlanta, GA, USA
- 12:00 PERIATRIAL DEVICE CLOSURE OF DIFFERENT LOCATIONS OF MITRAL PARAVALVULAR LEAKS USING A PROBE-ASSISTED DELIVERY SYSTEM **401**
L. Hongxin, G. Wenbin, H-Z. Zhang, F. Liang, G. Zhang
Shandong Provincial Hospital Affiliated to Shandong University, China
- 12:15 DO FASCICULAR BLOCKS CAUSE MITRAL REGURGITATION? **402**
E. Obasare, E. Melendres, V. Bhalla, M.B. West, S. Mainigi, G.S. Pressman, V.M. Figueredo
Einstein Medical Center, Philadelphia, PA, USA

MONDAY, AUGUST 1, 2016

11:15 – 13:30

Hall B

S35 VALVULAR HEART DISEASE MECHANISMS AND TREATMENT OPTIONS (cont.)

| | | Abstract No. |
|-------|---|--------------|
| 12:30 | AORTIC VALVE REPLACEMENT IN SINGLE CORONARY ARTERY A. Sinha , R. Kumar, J. Shirani St. Lukes' University Health Network, Bethlehem, PA, USA | 403 |
| 12:45 | SPONTANEOUS LEFT ATRIAL DISSECTION CAUSED BY MITRAL VALVE ENDOCARDITIS H. Vefali , M. Durkin, A. Singh, S. Agrawal, S. Longo, M. Averbach, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA | 404 |
| 13:00 | MASSIVE THROMBOSIS OF STRUCTURALLY NORMAL MITRAL VALVE IN PRIMARY ANTI-PHOSPHOLIPID ANTIBODY SYNDROME A. Singh , S. Longo, S. Agrawal, H. Vefali, A. Sinha, A. Shi, J. Amortegui, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA. | 405 |
| 13:15 | A TALE OF TWO OUTCOMES: PSEUDOANEURYSM OF THE MITRAL-AORTIC INTERVALVULAR FIBROSA; A RARE AND DANGEROUS CONDITION K.A. Samtani , R.J. Bohinc, V.S. Tivakaran, J.B. Gibson Wright State University, Dayton, OH, USA | 406 |

S36 HEART FAILURE: NOVEL RISK FACTORS, PREDICTORS, NEW TREATMENT OPTIONS AND OUTCOME

Chairs: **L. Djousse**, Boston, MA, USA
A. Kazory, Gainesville, FL, USA

Abstract No.

- | | | |
|-------|--|-----|
| 11:15 | NO DIFFERENCE IN SODIUM REMOVAL WITH ULTRAFILTRATION THERAPY VERSUS CONVENTIONAL DIURETIC THERAPY IN PATIENTS WITH ACUTE HEART FAILURE A. Koratala, S.I. Qadri, A. Kazory University of Florida, Gainesville, Florida, USA | 407 |
| 11:30 | EFFICACY AND SURVIVAL IN PATIENTS WITH CARDIAC CONTRACTILITY MODULATION: LONG-TERM SINGLE CENTER EXPERIENCE IN 81 PATIENTS J. Kuschyk , S. Roeger, B. Rudic, K. Stach, C. Weiss, T. Papavassiliu, B. Rouso, D. Burkhoff, M. Borggreffe University Medical Centre, I. Medical Department, Mannheim, Germany | 408 |
| 11:45 | ULTRAFILTRATION VS PHARMACOLOGICAL DIURESIS IN HEART FAILURE: A META-ANALYSIS N. Agrawal, A. Jain , A. Kazory University of Florida, Gainesville, FL, USA | 409 |
| 12:00 | HEART FAILURE CARE PATHWAY: STANDARDIZING CARE TO IMPROVE OUTCOMES S. Agarwal , G. Cherukuri, R. Dhaliwal, N. Agarwal, J. Lansburg Biltmore Cardiology, Phoenix, AZ, USA | 410 |
| 12:15 | RACIAL DIFFERENCES IN CLINICAL CHARACTERISTICS OF HEART FAILURE WITH PRESERVED EJECTION FRACTION Y.R. Patel , K.E. Kurgansky, T.F. Imran, A.R. Orkaby, K. Cho, D.R. Gagnon, Y. Ho, J.M. Gaziano, L. Djousse, J. Joseph Boston VA Healthcare System, Boston, MA, USA | 411 |
| 12:30 | RISK FACTORS ASSOCIATED WITH DIAGNOSTIC DISCREPANCY FOR LEFT VENTRICULAR HYPERTROPHY BETWEEN ELECTROCARDIOGRAPHY AND ECHOCARDIOGRAPHY M. Pareek , S.S. Petersen, L.R. Pedersen, M.L. Nielsen, S.Z. Diederichsen, M. Leosdottir, P.M. Nilsson, A.C.P. Diederichsen, M.H. Olsen Odense University Hospital, Odense, Denmark | 412 |
| 12:45 | ECHOCARDIOGRAPHIC PREDICTORS OF HEART FAILURE IN HYPERTENSIVE CARDIOMYOPATHY A. Bhullar , M. Bhullar, M. Singh, K. Muhyieddeen, B. Khatri, R. Ferdman, A. Najafi, C. Katikireddy UCSF Fresno Medical Education Program, Fresno, CA, USA | 413 |

MONDAY, AUGUST 1, 2016

11:15 – 13:45

Hall C

S36 HEART FAILURE: NOVEL RISK FACTORS, PREDICTORS, NEW TREATMENT OPTIONS AND OUTCOME (cont.)

Abstract No.

- 13:00 THE EFFECT OF MATERNAL OBESITY ON THE EXPRESSION AND FUNCTIONALITY OF PLACENTAL P-GLYCOPROTEIN: IMPLICATIONS IN THE INDIVIDUALIZED TRANSPLACENTAL DIGOXIN TREATMENT FOR FETAL HEART FAILURE 414
C. Wang, K.Y. Zhou, H.Y. Li, Y.F. Li, Y. Zhang, Y.M. Hua
West China Second University Hospital, Sichuan University, Chengdu, Sichuan, China
- 13:15 UTILITY OF THE LACE INDEX AT THE BEDSIDE IN PREDICTING 30-DAY READMISSION OR DEATH IN PATIENTS HOSPITALIZED WITH HEART FAILURE 415
P. Yazdan-Ashoori, S. Lee, Q. Ibrahim, **H.G.C. Van Spall**
McMaster University, Hamilton, Canada
- 13:30 MIXED TREATMENT ANALYSIS OF TOLVAPTAN, ULTRAFILTRATION AND LOOP DIURETICS IN THE MANAGEMENT OF ACUTE CONGESTIVE HEART FAILURE 416
S. Dayanand, J.M. Martinez, R. Chait
University of Central Florida, Kissimme, FL, USA

MONDAY, AUGUST 1, 2016

08:00 – 13:00

Poster Hall

P501 MOLECULAR AND CELLULAR CARDIOLOGY, BASIC RESEARCH

| Board No. | | Abstract No. |
|-----------|--|--------------|
| 1 | IMPLICATION OF MIR-1 AND MIR-144 IN INTRALIPID-INDUCED CARDIOPROTECTION AGAINST ISCHEMIA/REPERFUSION INJURY N. Motayaghani , S. Sharma, J. Li, M. Eghbali UCLA, Los Angeles, CA, USA | 417 |
| 2 | REVERSAL OF XYLAZINE-INDUCED BRADYCARDIA WITH INTRALIPID N. Motayaghani , M. Eghbali UCLA, Los Angeles, CA, USA | 418 |
| 3 | HIGH SALT DIET DURING GESTATION ALTERS SALT SENSITIVITY OF THE CARDIOVASCULAR SYSTEM IN OFFSPRING S. Kagota , K. Maruyama, K. Shinozuka Mukogawa Women's University, Nishinomiya, Japan | 419 |
| 4 | STUDY OF THERAPEUTIC AND CARDIOPROTECTIVE EFFECT OF CURCUMIN ON ISOPROTERENOL-INDUCED MYOCARDIAL INJURY IN RATS M.S. Oliveira , L. Zangi, K.M. Mata, V. Blefari, S.G. Ramos University of Sao Paulo, Ribeirao Preto, SP, Brazil | 420 |
| 5 | REGULATION OF REDOX-HOMEOSTASIS BY METABOLIC DRUG ELTACIN IN THERAPY OF AGING PATIENTS WITH ISCHEMIC HEART DISEASE E.V. Kalinina , R.M. Zaslavskaya, Y.R. Nartsissov People's Friendship University of Russia, Moscow, Russia | 421 |
| 6 | EXPRESSION OF OPIOID RECEPTORS DELTA AND KAPPA IN THE HUMAN TISSUE OF DIABETIC'S PATIENTS M. Ismail, A. Rungatscher, M.A. Gebrie, G.B. Luciani, I. Cristobo, S. Notararigo, C. Chen-Scarabelli, T. Scarabelli , G. Faggian University of Verona, Italy | 422 |
| 7 | SUBTY PE-SPECIFIC PROMOTER-DRIVEN ACTION POTENTIAL IMAGING FOR PRECISE DISEASE MODELING AND DRUG TESTING IN HIPSC-DERIVED CARDIOMYOCYTES Z. Chen , W. Xian, M. Bellin, T. Dorn, Q. Tian, C.L. Mummery, P. Lipp, A. Moretti, D. Sinnecker, K.L. Laugwitz Technical University of Munich, Munich, Germany | 423 |

MONDAY, AUGUST 1, 2016

08:00 – 13:00

Poster Hall

P502 ACUTE CORONARY SYNDROMES, INTERVENTIONAL THERAPIES

| Board No. | | Abstract No. |
|-----------|---|--------------|
| 8 | <p>LOW SERUM HIGH DENSITY LIPOPROTEIN CHOLESTEROL LEVEL AND LOW BODY MASS INDEX ARE ASSOCIATED WITH CONTRAST-INDUCED ACUTE KIDNEY INJURY IN PATIENTS UNDERGOING PRIMARY PERCUTANEOUS CORONARY INTERVENTION FOR MYOCARDIAL INFARCTION</p> <p>B.M. Choi, Y.O. Kim, H.W. Kim The Catholic University, Seoul, Korea</p> | 424 |
| 9 | <p>DEFINITIVE ACUTE STENT THROMBOSIS IN A PATIENT WITH NON-ST ELEVATION MYOCARDIAL INFARCTION</p> <p>S. Zamin, G. Wilson, K. Suarez, K. Slicker Baylor Scott & White Health/Texas A&M College of Medicine, TX, USA</p> | 425 |
| 10 | <p>WELLENS' SYNDROME REVISED</p> <p>S. Oo, K. Khalighi, C. May, T.T. Aung Easton Hospital, Easton, PA, USA</p> | 426 |
| 11 | <p>DIFFUSE MULTIVESSEL CORONARY ARTERY SPASM (CAS) INDUCED BY GUIDEWIRE INSERTION LEADING TO CARDIAC ARREST: A CASE REPORT</p> <p>B.T. Yeneneh, B. Louka, E. Yang, D. Fortuin Mayo Clinic, Arizona, USA</p> | 427 |
| 12 | <p>ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION AND FACTORS ASSOCIATED WITH STENT CHOICE</p> <p>J.D. Nunez Breton, J.C. Duque Ballesteros, C.A. Gomez, C. Rueda Rios, J.P. Zambrano, C.E. Mendoza, A. Ferreira Jackson Memorial Hospital, Miami, FL, USA</p> | 428 |
| 13 | <p>METHYLENEDIOXYMETHAMPHETAMINE (MDMA) INDUCED SPONTANEOUS CORONARY ARTERY DISSECTION</p> <p>F. Benn, A. Afzal, B. Subedi, M. Majumder, New York Methodist Hospital, Weill Cornell Affiliate, Brooklyn, NY, USA</p> | 429 |
| 14 | <p>ECTATIC CORONARY VESSELS WITH MULTIPLE GIANT ANEURYSMS</p> <p>K. Tan, F. Kho, I. Syed Khoo Teck Puat Hospital, Singapore</p> | 430 |
| 15 | <p>DECADE LONG TRENDS (2001-2011) IN THE USE OF EVIDENCE BASED MEDICAL THERAPIES AT THE TIME OF HOSPITAL DISCHARGE FOR PATIENTS SURVIVING ACUTE MYOCARDIAL INFARCTION: A POPULATION BASED PERSPECTIVE</p> <p>R.P. Makam, N. Erskine, D.D. McManus, D. Lessard, J.M. Gore, J. Yarzebski, R.J. Goldberg Department of Quantitative Health Sciences University of Massachusetts Medical School Worcester, MA, USA</p> | 431 |

MONDAY, AUGUST 1, 2016

08:00 – 13:00

Poster Hall

P503 LIPIDS, OBESITY, METABOLIC SYNDROME AND DIABETES

| Board No. | | Abstract No. |
|-----------|--|--------------|
| 16 | DIABETES AND ISCHEMIC HEART DISEASE DEATH IN PEOPLE AGE 25-54: A MULTIPLE-CAUSE-OF-DEATH ANALYSIS BASED ON OVER 400 000 DEATHS FROM 1990 TO 2008 IN NEW YORK CITY A.M. Quinones , I. Lobach, G.A. Maduro, N.R. Smilowitz, H.R. Reynolds NYU Langone Medical Center, New York, NY, USA | 432 |
| 17 | SERUM MAGNESIUM AND IMPAIRED FASTING GLUCOSE IN NON-DIABETIC ADULTS L.C. Del Gobbo, X. Zhang, L. Wang, H.D. Sesso, J.E. Manson, A. Pradhan, Y. Song Division of Cardiovascular Medicine, Stanford University, Stanford, CA, USA | 433 |
| 18 | ASSOCIATION BETWEEN THE RS11614913 POLYMORPHISM IN THE HSA-MIR-196A2 AND OBESITY-RELATED PARAMETERS O. Coltell , D. Corella, R. Barragan-Arnal, E.M. Asensio, R. Fernandez-Carrion, O. Portoles, E. Ferriz, J.I. Gonzalez, J.M. Ordovas, J.V. Sorli CiberOBN, Madrid, Spain | 434 |
| 19 | HYPOLIPIDEMIC EFFECT OF MANNAN IN ACUTE LIPEMIA IN MICE INDUCED BY POLOXAMER 407 N.V. Goncharova, M.V. Khrapova, A.P. Lykov, E. Korolenko, Z. Nescakova, T.A. Korolenko Institute of Physiology and Fundamental Medicine, Novosibirsk, Russia | 435 |
| 20 | THE OBESITY PARADOX DECODED: BMI AFFECTS CO-MORBIDITIES BUT NOT OUTCOMES IN ISCHEMIC STROKE J.A. Pieper , M. Ashamalla, D. Sedhom, N. Yager, M. Torosoff Albany Medical College, Albany, NY, USA | 436 |

MONDAY, AUGUST 1, 2016

08:00 – 13:00

Poster Hall

P504 HYPERTENSION

| Board No. | | Abstract No. |
|-----------|--|--------------|
| 21 | LIFE-STYLE CHARACTERISTICS AND CARDIOVASCULAR DISEASES IN TOUR MANAGERS Y-C Tseng, F-Y Lan, H-R Guo Chang Jung Christian University, National Cheng Kung University, Taiwan | 437 |
| 22 | CFC NATIONAL SURVEY ON HYPERTENSION TREATMENT G.V. Gaudio, L.U. Guasti, S.T. Carugo, A.L. Lupi, L.U. Gianturco, G.I. Derosa, A. Palmarini on Behalf of the CFC National Hypertension Board, Italy | 438 |
| 23 | EFFECT OF OLMESARTAN ALONE, AND IN COMBINATION WITH AZELNIDIPINE IN THE CONTROL OF HYPERTENSION AND PLASMA B-TYPE NATRIURETIC PEPTIDE LEVELS N. Fujino , K. Hayashi, K. Sakata, T. Konno, T. Tsuda, Y. Nagata, R. Teramoto, A. Nomura, Y. Tanaka, M. Yamagishi Kanazawa University, Kanazawa, Japan | 439 |
| 24 | THE RELATIONSHIP BETWEEN BLOOD PRESSURE VARIABILITY AND 10-YEAR CARDIOVASCULAR RISK M. Celik, U.C. Yuksel, E. Yildirim , E. GURSOY, M. Koklu, S. Yasar, S. Gormel, B. Bagan, C. Barcin Gulhane Military Medical Academy, Ankara, Turkey | 440 |

P505 VALVULAR HEART DISEASE

| | | |
|----|---|-----|
| 25 | MITRAL VALVE DISEASE IN THE UNITED STATES: RETROSPECTIVE ANALYSIS OF HOSPITALIZATIONS AND SURGICAL PROCEDURES USING THE NATIONAL INPATIENT SAMPLE M.E. Stuntz Deerfield Institute, New York, NY, USA | 441 |
| 26 | RECENT TRENDS IN PREVALENCE, MICROBIOLOGY, TREATMENT, AND OUTCOME OF INFECTIVE ENDOCARDITIS IN END-STAGE RENAL DISEASE S. Agrawal , N. Bhatia, D. Mohananeey, A. Singh, A. Sinha, A. Abichandani, M. Fegley, A. Quddus, S. Nanda, J. Shirani St Luke's University Health Network, Bethlehem, PA, USA | 442 |
| 27 | UNUSUAL COMPLICATION FROM A RARE ENDOCARDITIS: AORTA-RIGHT VENTRICLE FISTULA AND MITRAL VALVE PERFORATION F. Khan , M. Garrido, E. Kostacos, V. Mallavarapu Abington Jefferson Health, Abington, PA, USA | 443 |

MONDAY, AUGUST 1, 2016

08:00 – 13:00

Poster Hall

P505 VALVULAR HEART DISEASE (cont.)

| Board No. | | Abstract No. |
|-----------|--|--------------|
| 28 | INTERCOMMISSURAL DISTANCE AS THE LONE ANNULOPLASTY RING SIZING STRATEGY MAY NOT PREVENT SAM S. Edla , E. Maiodna, S. Neupane, H. Rosman St John Hospital and Medical Center, Detroit, MI, USA | 444 |
| 29 | STABILIZED RATE OF AORTIC VALVE SURGERY PERFORMED IN THE UNITED STATES IN RECENT YEARS WITH MARKEDLY LOWER RATE PERFORMED IN WOMEN M.R. Movahed , M. Hashemzadeh, M. Hashemzadeh CareMore, Tucson, Arizona, USA | 445 |
| 30 | ST-SEGMENT ELEVATION DURING BRONCHOSCOPY: A CASE OF LEFT-SIDED CARCINOID HEART DISEASE A.D. Franklin , R. J Lundstrom, Kaiser Permanente Medical Center, Oakland, CA, USA | 446 |
| 31 | NATIVE VALVE EMPHYSEMATOUS ENTEROCOCCAL ENDOCARDITIS A. Singh , S. Longo, S. Nanda, S. Agrawal, H. Vefali, A. Quddus, A. Abhichandani, A. Sinha, N. Radoianu, A. Shi, J. Amortegui, J. Shirani | 447 |