



INTERNATIONAL  
ACADEMY OF  
CARDIOLOGY

INTERNATIONAL ACADEMY OF CARDIOLOGY  
ANNUAL SCIENTIFIC SESSIONS 2018  
23rd WORLD CONGRESS ON  
**HEART DISEASE**

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BOSTON, MA, USA, JULY 27 – 29, 2018

SCIENTIFIC  
PROGRAM

FRIDAY, JULY 27, 2018

SCIENTIFIC PROGRAM





**FRIDAY, JULY 27, 2018**

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**09:00 – 10:30**

**Hall A**

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**OC: OPENING CEREMONY**

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

GREETINGS

**Asher Kimchi**, USA

Founder and Chairman

International Academy of Cardiology

**John A. Eleftheriades**, USA

Chair, Scientific Executive Committee

Chair, Section of Cardiovascular Surgery

International Academy of Cardiology

**Jeffrey S. Borer**, USA

Member, Scientific Executive Committee

Chair, Section of Valvular Heart Disease

International Academy of Cardiology

**Naranjan S. Dhalla**, Canada

Member, Scientific Executive Committee

Chair, Section of Molecular Cardiology

International Academy of Cardiology

**Wilbert S. Aronow**, USA

Member, Scientific Executive Committee

Chair, Section of Hypertension

International Academy of Cardiology

**Samia Mora**, USA

Member, Scientific Executive Committee

Chair, Section of Preventive Cardiology

International Academy of Cardiology

PRESENTATION OF 2018 AWARDS

**John A. Eleftheriades**, USA

## FRIDAY, JULY 27, 2018

09:55 – 10:30

Hall A

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

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

Abstract No.

- 09:55 INTRODUCTION  
**J.D. Marsh**, Little Rock, AR, USA
- 10:00 EVOLVING LANDSCAPE OF ANTITHROMBOTIC THERAPY FOR  
 ATHEROSCLEROSIS 187  
 (Invited Lecture)  
**D.L. Bhatt**, Brigham and Women's Hospital, Boston, MA, USA
- 10:30 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

11:00 – 12:45

Hall A

**PL01 Plenary Session**  
**CELLULAR AND MOLECULAR BIOLOGY TARGETS FOR CLINICAL CARE IN**  
**CARDIOVASCULAR DISEASE**

Chairs: **T. Malinski**, Athens, OH, USA  
**J. Robbins**, Cincinnati, OH, USA

- 11:00 NANOMEDICAL STUDIES OF ENDOTHELIAL AGING IN THE 001  
 CARDIOVASCULAR SYSTEM (Invited Lecture)  
**T. Malinski**, H. Dawoud, M. Osama  
 University, Athens, OH, USA
- 11:15 PROTEOTOXICITY AND CARDIAC DISEASE (Invited Lecture) 003  
**J. Robbins**  
 Cincinnati Children's Hospital/Univ. Cincinnati, Cincinnati, OH, USA
- 11:30 MOLECULAR MECHANISMS UNDERLYING THE ANTI-ATHEROGENIC 004  
 ACTIONS OF NUTRACEUTICALS (Invited Lecture)  
 J.W.E. Moss, J.O. Williams, H. Gallagher, W. Al-Ahmadi, A. Ismail, V. O'Morain,  
**D.P. Ramji**



## FRIDAY, JULY 27, 2018

11:00 – 12:45

Hall A

### PL01 Plenary Session

#### CELLULAR AND MOLECULAR BIOLOGY TARGETS FOR CLINICAL CARE IN CARDIOVASCULAR DISEASE (continued)

Abstract No.

- |       |   |     |
|-------|---|-----|
| 11:45 | PDE5 INHIBITION WITH SILDENAFIL ATTENUATES ALCOHOL-INDUCED CARDIAC DYSFUNCTION IN OBESE DIABETIC MICE: ROLE OF MicroRNA 21 (Invited Lecture)<br><b>R.C. Kukreja</b> , A. Samidurai, L. Xi, F. Salloum, A. Das<br>Virginia Commonwealth University, Richmond, VA, USA  | 005 |
| 12:00 | T3 VERSUS METOPROLOL TREATMENT OF RATS WITH MYOCARDIAL INFARCTION - AND THE WINNER IS? (Invited Lecture)<br><b>A.M. Gerdes</b> , K. Zhang, Y. Zhang, K. Ojamaa, Y.-D. Tang<br>New York Institute of Technology, Old Westbury, NY, USA   | 006 |
| 12:15 | CARDIAC TARGETING PEPTIDE; A NOVEL CARDIAC TARGETING PROTEIN TRANSDUCTION DOMAIN (Invited Lecture)<br><b>M. Zahid</b><br>University of Pittsburgh, Pittsburgh, PA, USA  | 007 |
| 12:30 | ANTIBODIES TO MALONDIALDEHYDE-ACETALDEHYDE (MAA) PROTEIN ADDUCT AS A BIOMARKER FOR CARDIOVASCULAR MANIFESTATIONS IN SYSTEMIC LUPUS ERYTHEMATOSUS (Invited Lecture)<br><b>K. Su</b> , Y. Yu, T. Wang, P.D. Lopez, C. Tineo, G. Paulino, M. Hearth-Holmes, E. Loyo<br>University of Nebraska Medical Center, Omaha, NE, USA | 008 |
| 12:45 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION   |     |

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

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

Abstract No.

11:00	CALCIUM SCORING - WHERE DO WE STAND IN 2018? (Invited Lecture) <b>J.J. Mahmarian</b> Weill Cornell Medical College, Houston Methodist Hospital, Houston, TX, USA	009
11:15	BEYOND STENOSIS: PLAQUE AND ISCHEMIA ASSESSMENTS BY CORONARY CTA (Invited Lecture) <b>D.S. Berman</b> , Y. Otaki, J. Friedman, S. Hayes, L. Thomson, E. Eisenberg, A. Rozanski, P. Slomka, D. Dey, B.K. Tamarappoo Cedars-Sinai Medical Center, Los Angeles, CA, USA	010
11:30	NEXT GENERATION INTRAVASCULAR COMPOSITIONAL IMAGING ASSESSMENT OF THE HIGH-RISK PLAQUE (Invited Lecture) <b>J.W. Kim</b> Korea University Guro Hospital, Seoul, Republic of Korea	011
11:45	NOVEL ULTRASOUND IMAGING STRATEGIES FOR ISCHEMIC HEART DISEASE (Invited Lecture) <b>J.M. Gardin</b> Rutgers New Jersey Medical School, Newark, NJ, USA	012
12:00	OPTICAL COHERENCE TOMOGRAPHY FOR THE DETECTION OF VULNERABLE PLAQUE (Invited Lecture) <b>T. Kubo</b> Wakayama Medical University, Wakayama, Japan	013
12:15	ADVANCES IN MYOCARDIAL RECEPTOR IMAGING WITH PET: THE ANGIOTENSIN AND ENDOCANNABINOID SYSTEM (Invited Lecture) <b>T.H. Schindler</b> , I. Valenta, P. Pacher Washington University, Saint Louis, MO, USA	014
12:30	STRENGTHS AND WEAKNESSES OF EXERCISE ECHOCARDIOGRAPHY (Invited Lecture) <b>M. Prokudina</b> International Heart Center, St. Petersburg, Russian Federation	015
12:45	A FRAMEWORK FOR WEARABLE TECHNOLOGIES IN CARDIOLOGY (Invited Lecture) <b>I. Kedan</b> Cedars Sinai Smidt Heart Institute, Beverly Hills, CA, USA	016
13:00	LUNCH BREAK, VISIT POSTERS AND EXHIBITION	

**PL03 Plenary Session**

**MECHANISMS AND MANAGEMENT OF HEART FAILURE IN 2018:  
HOW CAN WE DO BETTER?**

Chairs: **R.C. Bourge**, Birmingham, AL, USA  
**H.N. Sabbah**, Detroit, MI, USA

Abstract No.

11:00	<p>MYOCARDIAL INTERSTITIAL FIBROSIS IN HEART FAILURE: BEYOND VENTRICULAR STIFFNESS (Invited Lecture)</p> <p><b>H.N. Sabbah</b> Henry Ford Hospital, Detroit, MI, USA</p>	017
11:15	<p>EFFECT OF INSTITUTIONAL EXPERIENCE ON OUTCOMES OF ALCOHOL SEPTAL ABLATION FOR HYPERTROPHIC OBSTRUCTIVE CARDIOMYOPATHY (Invited Lecture)</p> <p><b>J. Veselka</b>, L. Faber, M. Kvistholm Jensen, R. Cooper, J. Januska, J. Krejci, T. Bartel, M. Dabrowski, P.R. Hansen, V.M. Almaas, H. Seggewiss, D. Horstkotte, R. Adlova, H. Bundgaard, J.ten Berg, M. Liebrechts Charles University, University Hospital Motol, Prague, Czech Republic</p>	018
11:30	<p>PULMONARY HYPERTENSION - HAVE WE GONE FROM A DEATH SENTENCE TO A "FORGETTABLE DISEASE" FOR MANY IN 30 YEARS? (Invited Lecture)</p> <p><b>R.C. Bourge</b> The University of Alabama at Birmingham, Birmingham, AL, USA</p>	019
11:45	<p>CLEARING OF <math>\beta_1</math>-RECEPTOR AUTOANTIBODIES FROM THE BLOOD: A USEFUL TREATMENT OPTION FOR IDIOPATHIC DILATED CARDIOMYOPATHY (Invited Lecture)</p> <p><b>M. Dandel</b> Deutsches Herzzentrum Berlin, Berlin, Germany</p>	020
12:00	<p>A NEW APPROACH TO HEART VALVE DISEASE: INTERVENTION OR PREVENTION? (Invited Lecture)</p> <p><b>R. Levine</b> Massachusetts General Hospital, Boston, MA, USA</p>	021
12:15	<p>THE ROLE OF LEFT ATRIAL STRAIN IN HEART FAILURE (Invited Lecture)</p> <p><b>B. Hoit</b> University Hospitals Cleveland Medical Center, Cleveland, OH, USA</p>	022
12:30	<p>FAMILIAL MITOCHONDRIAL CARDIOMYOPATHY (Invited Lecture)</p> <p><b>A. Lorber</b>, R. Tal Rambam Medical Center, Haifa, Israel</p>	023

## FRIDAY, JULY 27, 2018

11:00 – 13:30

Hall C

## PL03 Plenary Session

MECHANISMS AND MANAGEMENT OF HEART FAILURE IN 2018:  
HOW CAN WE DO BETTER? (continued)

Abstract No.

- |       |  |     |
|-------|--|-----|
| 12:45 | THERAPEUTIC EFFECT OF IMMUNOADSORPTION IN PATIENTS WITH INFLAMMATORY CARDIOMYOPATHY: RESULTS FROM THE PROSPECTIVE BAD BERKA REGISTRY (Invited Lecture)<br><b>M.-A. Ohlow</b> , M. Schreiber<br>Zentralklinik, Bad Berka, Germany | 024 |
| 13:00 | HFpEF AS A SYSTEMIC DISEASE - WHAT CAN WE LEARN FROM CARDIOPULMONARY EXERCISE TESTING? (Invited Lecture)<br><b>J. Ho</b><br>Massachusetts General Hospital, Boston, MA, USA  | 025 |
| 13:15 | CARDIAC REHABILITATION AND ITS EFFECTS ON COGNITION IN SUBJECTS WITH CORONARY ARTERY DISEASE AND HEART FAILURE (Invited Lecture)<br><b>K. Alagiakrishnan</b><br>University of Alberta, Edmonton, AB, Canada                      | 026 |
| 13:30 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION  |     |

**P101                    CARDIOVASCULAR PHARMACOLOGY AND DRUG THERAPY**

Board No.		Abstract No.
1	<p>CARDIOVASCULAR BENEFITS OF DIURETIC-BASED THERAPIES COMBINED WITH SIMVASTATIN IN HIGH-RISK HYPERTENSIVE PATIENTS WITH A HIGH-NORMAL LEVEL OF TOTAL CHOLESTEROL</p> <p><b>P.P. Lu</b>, L.H. Ma, L.Y. Ma, A.H. Hu, X.L. Zhou, W. Wang, L.S. Liu Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy of Medical Science and Peking Union Medical College, Beijing, China</p>	027
2	<p>PHENYTOIN INHIBITS THE EXPRESSION OF CARDIAC CAV1.2 CHANNELS VIA DISRUPTING SYNTHESIS AND TRAFFICKING</p> <p><b>D. Han</b>, P. Liu, X. Sun, Y. Liu, J. Sun The First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China</p>	028
3	<p>NONSPECIFIC INTERSTITIAL PNEUMONIA: A RARE ADVERSE REACTION OF ATORVASTATIN</p> <p><b>J. Xu</b>, S. Verga, J. Stoll, L. Pioppo, W. Khan Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA</p>	029
4	<p>EFFECTS OF STATIN USE ON ADVERSE OUTCOMES IN PATIENTS WITH ATRIAL FIBRILLATION</p> <p><b>S. Wu</b>, Y.M. Yang National Center for Cardiovascular Diseases, Fuwai Hospital, Beijing, China</p>	030
5	<p>LIDOCAINE TOXICITY MANIFESTING AS ACUTE STROKE: A RARE PRESENTATION</p> <p><b>L. Hou</b>, J. Xu, E. Pagan, K. Patel, A. Hakeem Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA</p>	031
6	<p>A CASE REPORT OF HEART FAILURE WITH PRESERVED EJECTION FRACTION DURING ATRIAL FIBRILLATION TREATMENT WITH PILSICAINIDE</p> <p><b>T.J. Matsubara</b>, K. Fujiu, S. Ohnishi, M. Yamasaki University of Tokyo, Tokyo, Japan</p>	032

## P102 CONGENITAL HEART DISEASE AND PEDIATRIC CARDIOLOGY

Board No		Abstract No.
7	<p>DETERMINATION OF RIGHT VENTRICULAR FUNCTION BY SYSTOLIC TO DIASTOLIC DURATION RATIO IN TETRALOGY OF FALLOT</p> <p><b>A.L. Arndt</b>, K.W. Holmes Oregon Health and Science University, Portland, OR, USA</p>	033
8	<p>IDIOPATHIC PERICARDIAL EFFUSION AND CARDIAC TAMPONADE IN CHILDREN WITH TRISOMY 21</p> <p><b>C.B. Johnson</b>, A. Qasim, M.A. Aly, A.M. Aly University of Texas Medical Branch, Galveston, TX, USA</p>	034
9	<p>ISOLATED FAMILIAL RIGHT VENTRICULAR HYPOPLASIA</p> <p><b>A.M. Aly</b>, S. Dasgupta, A. Jain University of Texas Medical Branch, Galveston, TX, USA</p>	035
10	<p>FETAL DIAGNOSIS AND NEONATAL PALLIATION OF ABSENT AORTIC VALVE WITH HYPOPLASTIC LEFT HEART SYNDROME</p> <p><b>A. Qasim</b>, C.B. Johnson, M.A. Aly, A.M. Aly University of Texas Medical Branch, Galveston, TX, USA</p>	036
11	<p>DESPITE THE ODDS</p> <p>A. Addoumieh, M. Abdallah, <b>D. Majdalany</b> Cleveland Clinic, Cleveland, OH, USA</p>	037
12	<p>UNROOFED CORONARY SINUS AND PERSISTENT LEFT SUPERIOR VENA CAVA: LATE ONSET SYMPTOMS POST-SURGICAL CORRECTION</p> <p><b>B. Gheyath</b>, G. Pettersson, D. Majdalany Cleveland Clinic Foundation, Cleveland, OH, USA</p>	038
13	<p>MULTIMODALITY IMAGING OF ANOMALOUS RIGHT CORONARY ARTERY WITH INTERARTERIAL COURSE FOUND DURING A NON ST ELEVATION MYOCARDIAL INFARCTION</p> <p><b>M. Bintvihok</b>, J. Aoun, M. Almeqdadi, M. Afari, A. Davidoff, L. Tsao St. Elizabeth's Medical Center, Boston, MA, USA</p>	039
14	<p>COMPARISON OF ECHOCARDIOGRAPHIC CRITERIA FOR DIAGNOSING LEFT VENTRICULAR NONCOMPACTION IN PATIENTS WITH CLINICAL CARDIOMYOPATHY</p> <p>G. Hackett, <b>F. Munir</b>, R. Tunks, T. Chin Penn State Health Children's Hospital, Hershey, PA, USA</p>	040

**P103 TRANSCATHETER THERAPY FOR STRUCTURAL HEART DISEASE**

Board No		Abstract No.
15	<p>PERMANENT PACEMAKER (PPM) INSERTION IN PATIENTS WITH CONDUCTION ABNORMALITIES POST TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR): A REVIEW AND PROPOSED GUIDELINES  <b>A.S. Nanda</b>, T. Bob-Manuel, V. Chinta, A. Sharma, U. Ashraf, J. Kelly, I. Pour-Ghaz, R.N. Khouzam                      University of Tennessee, Memphis, TN, USA</p>	041
16	<p>SMOKER'S PARADOX: THE IMPACT OF SMOKING IN PATIENTS UNDERGOING TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR).  <b>A.S. Nanda</b>, M. Agarwal, A. Sharma, V. Chinta, U. Ashraf, J. Kelly, I. Pour-Ghaz, R.N. Khouzam                      University of Tennessee, Memphis, TN, USA</p>	042
17	<p>EFFECTS OF SMOKING ON ECHOCARDIOGRAPHIC AND CLINICAL OUTCOMES AFTER TRANSCATHETER AORTIC VALVE REPLACEMENT  <b>A. Mehlman</b>, A. Radhakrishnan, I. Sunjic, C. Bitetzakis, E. Sadic, A. Bhandari, F. Alvarado, A. Chen, A. Patel, Y. Lu                      University of South Florida, Tampa, FL, USA</p>	043
18	<p>ASSESSMENT OF IMPACT OF PREPROCEDURAL PULMONARY HYPERTENSION TO THE CLINICAL OUTCOMES IN PATIENTS UNDERGOING TRANSCATHETER AORTIC VALVE REPLACEMENT; A SINGLE CENTER EXPERIENCE  <b>M. Farhoud</b>, S. Banga, C. Bhardwaj                      OSF SFMC, Peoria, IL, USA</p>	044
19	<p>INTERMEDIATE-TERM PACEMAKER DEPENDENCY FOLLOWING TRANSCATHETER AORTIC VALVE REPLACEMENT  <b>E. Choi</b>, J. Lee, A. Karnik, K. Lee, V. Kumar, H. Chaudry, S.X. Li, T.B. Curran, B.W. Andrus, J.T. DeVries                      Dartmouth Hitchcock Medical Center, Lebanon, NH, USA</p>	045
20	<p>IMPACT OF TRANSCATHETER AORTIC VALVE REPLACEMENT ON SHORT AND LONG-TERM KIDNEY FUNCTION  <b>J. Aoun</b>, C. Zahm, T. Bhat, S. Lahsaei, J.P. Carrozza                      Saint Elizabeth's Medical Center, Brighton, MA, USA</p>	046
21	<p>THE SAFETY AND FEASIBILITY OF A NOVEL CLOSURE TECHNIQUE IN TRANSCATHETER AORTIC VALVE REPLACEMENT  <b>G.A. Medranda</b>, R. Schwartz, S. Green                      NYU Winthrop Hospital, Mineola, NY, USA</p>	047

**P104 CARDIAC SURGERY AND MECHANICAL CIRCULATORY SUPPORT**

Board No. Abstract No.

22 REVERSE-U-AORTOTOMY (KIRALI INCISION) IS SAFE FOR AORTIC VALVE REPLACEMENT **048**

**O. Altas**, T. Ozer, M. Ozgur, S. Sarikaya, K. Kirali  
Kosuyolu Heart Training and Research Hospital, Istanbul, Turkey

23 INTRA-AORTIC BALLOON PUMP IS ASSOCIATED WITH INCREASED MORTALITY IN PATIENTS WITH ST-ELEVATION MYOCARDIAL INFARCTION UNDERGOING PRIMARY PERCUTANEOUS CORONARY INTERVENTION: A RETROSPECTIVE ANALYSIS **049**

J. Kewcharoen, **C. Techorueangwiwat**, T. Limjaroen, A. Ariyachaipanich  
Chulalongkorn University, Bangkok, Thailand.

24 EFFECT OF PLEURAL INTEGRITY DURING ITA HARVESTING ON POSTOPERATIVE RESPIRATORY FUNCTIONS AFTER CARDIAC SURGERY **050**

**O. Altas**, O. Yerlikhan, M. Aksut, T. Ozer, D. Gunay, A. Karakoc, K. Kirali;  
Kosuyolu Heart Training and Research Hospital, Istanbul, Turkey

25 AN UNUSUAL CASE OF INTRACARDIAC FOREIGN BODY FOLLOWING A NECK INJURY; A CASE REPORT AND REVIEW OF LITERATURE **051**

**M. Ghanim**, S. Bsata, B. Campbell, G. Daly, A. Agnihotri, L. Tsao  
Saint Elizabeth Medical Center, Brighton, MA, USA

26 LATE ISCHEMIC COMPLICATION OF ATYPICAL BENTALL PROCEDURE, LEADING TO ACUTE MYOCARDIAL ISCHEMIA **052**

**G. Jolly**, A. Haidry, S. Pal, M. Hasan Khan, W. Aronow  
Westchester Medical Center, Valhalla, NY, USA.

**P105 MEASUREMENT OF OUTCOMES AND QUALITY OF CARDIOVASCULAR CARE**

27 A MODIFIED PUNCTURE METHOD DECREASES THE VENOUS INDWELLING NEEDLE RELATED COMPLICATIONS IN INPATIENTS WITH CARDIOVASCULAR DISEASES: A SINGLE CENTER PROSPECTIVE RANDOMIZED STUDY **053**

**Y. Liu**, D. Han, X. Li  
The First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China

28 CLINICAL UTILITY OF AN OBSERVATION UNIT IN THE OUTCOME OF COCAINE-INDUCED CHEST PAIN **054**

**C. Dumancas**, T.O Mene-Afejuku, P.D. Lopez, A. Akinlonu, E. Ngo, S. Mushiyev,  
F. Visco, G. Pekler  
Metropolitan Hospital, New York, NY, USA

29 QUALITY IMPROVEMENT IN POST HEART CATHETERIZATION CARE **055**

**K. Gu**, M. Katz, D. Chang, E. Randhawa, K. D'Mello, G. Ledley  
Drexel University College of Medicine, Philadelphia, PA, USA



## FRIDAY, JULY 27, 2018

14:00 – 16:15

Hall A

PL04

### Plenary Session

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

Chairs: **N.S. Dhalla**, Winnipeg, MB, Canada  
**J.D. Marsh**, Little Rock, AR, USA

Abstract No.

14:00	LOW T/HIGH T TESTOSTERONE AND THE HEART (Invited Lecture) <b>J.D. Marsh</b> , University of Arkansas for Medical Sciences, Little Rock, AR, USA	056
14:15	STORE OPERATED Ca <sup>2+</sup> -CHANNEL BLOCKERS AS A POTENTIAL THERAPY FOR HYPERTENSION (Invited Lecture) <b>N.S. Dhalla</b> , St. Boniface Hospital Albrechtsen Research Centre, Winnipeg, MB, Canada	057
14:30	CARDIOVASCULAR RISK FACTORS: AN UPDATE (Invited Lecture) <b>C. Chen</b> , J. Lu, Q. Yao, Baylor College of Medicine, Houston, TX, USA	058
14:45	AGE-RELATED STRESS IN CARDIAC DISEASES (Invited Lecture) <b>K. Prasad</b> , University of Saskatchewan, Saskatoon, SK, Canada	059
15:00	HEMODYNAMIC MODULATION OF NON-PLATELET THROMBOXANE GENERATION (Invited Lecture) <b>J. Rade</b> , University of Massachusetts Medical School, Worcester, MA, USA	060
15:15	CLINICALLY RELEVANT INTERACTIONS BETWEEN CARDIOVASCULAR DRUGS, HERBALS AND FRUIT JUICES: MECHANISMS OF INTERACTIONS AND PRESCRIBING STRATEGIES (Invited Lecture) <b>H. Buttar</b> , University of Ottawa, Ottawa, Canada	061
15:30	ROLE OF NITRATES IN THE PREVENTION OF MYOCARDIAL ISCHEMIA ASSOCIATED WITH CARFILZOMIB INFUSION (Invited Lecture) <b>T. Scarabelli</b> , St John Hospital and Medical Center, Detroit, MI, USA	062
15:45	DECIPHERING THE ROLE OF MITOPHAGY-LYSOSOME DYSFUNCTION IN THE DIABETIC HEART (Invited Lecture) <b>Q. Liang</b> , S. Kobayashi, F. Zhao, Y. Huang, T. Kobayashi New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA	063
16:00	RAPAMYCIN PROTECTS DIABETIC RABBIT HEARTS AGAINST ISCHEMIA/REPERFUSION INJURY BY REGULATING PTEN-AKT SIGNALING (Invited Lecture) <b>A. Das</b> , A. Samidurai, R.C. Kukreja Virginia Commonwealth University, Pauley Heart Center, Richmond, VA, USA	064
16:15	COFFEE BREAK, VISIT EXHIBITION	

**PL05 CARDIAC ARRHYTHMIAS: CAUSES, SYMPTOMS, DIAGNOSIS AND TREATMENT**

Chairs: **M.A. Alpert**, Columbia, MO, USA  
**D. Dobrev**, Essen, Germany

Abstract No.

14:00	OBESITY AND ATRIAL FIBRILLATION (Invited Lecture) <b>M.A. Alpert</b> University of Missouri School of Medicine, Columbia, MO, USA	065
14:15	PROARRHYTHMIC SUBCELLULAR SIGNALING IN ATRIAL FIBRILLATION: ROLE OF CALCIUM DEPENDENT POTASSIUM CHANNELS (Invited Lecture) <b>D. Dobrev</b> University Duisberg-Essen, Essen, Germany	066
14:30	TOWARDS A COMPLETE TRUE HYBRID TREATMENT OF ATRIAL FIBRILLATION (Invited Lecture) <b>S. Gelsomino</b> CARIM Scholl for Cardiovascular Diseases, University of Maastricht, Maastricht, The Netherlands	067
14:45	MANAGEMENT OF ATRIAL FIBRILLATION IN THE ELDERLY PATIENT (Invited Lecture) <b>A. Kumar</b> , V. Mohan Adarsh Heart and Super Specialty Hospital, Amristar, India	068
15:00	UNUSUAL ARRHYTHMIC CAUSES OF SYNCOPE (Invited Lecture) <b>H.P. Paydak</b> University of Arkansas for Medical Science, Little Rock, AR, USA	069
15:15	VALIDATION OF THE INDICATION FOR IMPLANTABLE CARDIOVERTER DEFIBRILLATOR IN BRUGADA SYNDROME IN THE J WAVE SYNDROMES CONSENSUS CONFERENCE (Invited Lecture) <b>M. Takagi</b> Kansai Medical University Medical Center, Moriguchi, Japan	070
15:30	DANTROLENE, A RYANODINE RECEPTOR STABILIZER, REDUCES ATRIAL FIBRILLATION IN HEART FAILURE (Invited Lecture) C. Nofi, K. Zhang, Y.-D. Tang, Y. Li, A. Migirov, K. Ojamaa, A. Gerdes, <b>Y. Zhang</b> New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA	071

## FRIDAY, JULY 27, 2018

14:00 – 16:45

HALL B

### PL05 CARDIAC ARRHYTHMIAS: CAUSES, SYMPTOMS, DIAGNOSIS AND TREATMENT (continued)

Abstract No.

- 15:45 RADIOFREQUENCY ABLATIVE MODIFICATION OF THE AV NODE FOR THE TREATMENT OF ATRIAL FIBRILLATION: EXPLORING THE VALUE OF AN OLD TECHNIQUE (Invited Lecture) **072**  
**J. Gimbel**  
Columbia-St. Mary's Hospital System-Ascension, Milwaukee, WI, USA
- 16:00 UP-TO-DATE MANAGEMENT OF ATRIAL TACHYARRHYTHMIAS IN ADULT CONGENITAL HEART DISEASE (Invited Lecture) **073**  
**A. Kamp**  
Nationwide Children's Hospital and The Ohio State University, Columbus, OH, USA
- 16:15 HIS BUNDLE PACING  
**A. Deshmukh**, Mayo Clinic, Rochester, MN, USA
- 16:30 THE RISK PREDICTORS OF COMPLICATIONS OF PULMONARY VEIN ISOLATION (Invited Lecture) **074**  
**T.J. Matsubara**, K. Fujiu, G. Oguri, E. Hasumi, T. Kojima, I. Komuro  
The University of Tokyo, Tokyo, Japan
- 16:45 COFFEE BREAK, VISIT EXHIBITION

## PL06

## Plenary Session

AORTIC ANEURYSM AND PERIPHERAL ARTERIAL DISEASE:  
BASIC AND CLINICAL STUDIES

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

Abstract No.

14:00	INSIGHT INTO POLYVASCULAR DISEASE (Invited Lecture) <b>T. Tomaru</b> , T. Matsubara, E. Matsubara Heisei Yokohama Hospital, Yokohama, Japan	075
14:15	GENETICS OF THORACIC AORTIC ANEURYSM 2018 (Invited Lecture) <b>J.A. Elefteriades</b> Yale University School of Medicine, Aortic Institute at Yale-New Haven, New Haven, CT, USA	076
14:30	ADIPOCYTES PROMOTE IL18 BINDING TO ITS RECEPTORS DURING ABDOMINAL AORTIC ANEURYSM FORMATION IN MICE (Invited Lecture) <b>G.-P. Shi</b> , Brigham and Women's Hospital, Boston, MA, USA	077
14:45	POTENTIAL MOLECULAR TARGETS FOR PREVENTION OF PROGRESSION OF ABDOMINAL AORTIC ANEURYSM (Invited Lecture) L. Gavish, R. Beerli, D. Gilon, C. Rubinstein, G. Elberg, <b>S.D. Gertz</b> The Hebrew University of Jerusalem, Jerusalem, Israel	078
15:00	SEX DIFFERENCES IN PERIPHERAL ARTERIAL DISEASE: DIAGNOSIS, SYMPTOMS AND TREATMENT (Invited Lecture) <b>J. Regensteiner</b> University of Colorado, School of Medicine, Aurora, CO, USA	079
15:15	ANTIPLATELET THERAPY FOR PERIPHERAL INTERVENTIONS: AN UPDATE FOR 2018 (Invited Lecture) <b>R. Khouzam</b> , M. Ibrahim University of Tennessee Health Science Center, Memphis, TN, USA	080
15:30	DOAC IN CANCER PATIENTS: VENOUS THROMBOEMBOLISM AND ATRIAL FIBRILLATION (Invited Lecture) <b>N. Maurea</b> Istituto Nazionale Tumori, IRCCS, Fondazione G. Pascale, Naples, Italy	081
15:45	CURRENT STATUS OF PATHOPHYSIOLOGY AND THERAPY OF PERIPHERAL ARTERY DISEASE (Invited Lecture) <b>S. Bhullar</b> , N.S. Dhalla St. Boniface Hospital, University of Manitoba, Winnipeg, MB, Canada	082
16:00	FILTERING THE EVIDENCE: UPDATES ON IVC FILTERS (Invited Lecture) <b>B. Bikdeli</b> , Columbia University Medical Center, New York, NY, USA	083
16:15	COFFEE BREAK, VISIT EXHIBITION	

S21

## Session

**MOLECULAR CARDIOLOGY, VASCULAR BIOLOGY AND REGENERATIVE MEDICINE  
IN CARDIOVASCULAR DISEASE**

Chairs: **A.M. Gerdes**, Old Westbury, NY, USA  
**G.-P. Shi**, Boston, MA, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 16:45 | <p>Na<sup>+</sup>-H<sup>+</sup> EXCHANGER 1 DEFICIENCY PROTECTS ANGIOTENSIN II-INDUCED ABDOMINAL AORTIC ANEURYSM IN APOLIPOPROTEIN E-DEFICIENT MICE</p> <p><b>C.-L. Liu</b>, G. Sukhova, P. Libby, G.-P. Shi<br/>Brigham and Women's Hospital, Boston, MA, USA</p>                        | 084 |
| 17:00 | <p>THE EFFECT OF HYPOXIA PRE-TREATMENT ON STEM CELL BIOLOGY</p> <p><b>V. Ramaswamy</b>, F. Franchi, K.M. Peterson, R. Paulmurugan, M.G. Rodriguez-Porcel<br/>Mayo Clinic, Rochester, MN, USA</p>  | 085 |
| 17:15 | <p>ATTENUATION OF ENDOPLASMIC RETICULUM STRESS BY 4-PHENYLBUTYRIC ACID PROMOTES THE FUNCTIONAL SURVIVAL AND THERAPEUTIC EFFICACY OF BONE MARROW-DERIVED MESENCHYMAL STEM CELLS FOR HEART REPAIR</p> <p><b>D. Han</b>, J.-W. Chen, F. Cao, Chinese PLA General Hospital, Beijing China</p> | 086 |
| 17:30 | <p>AN INSIGHT INTO THE ROLE OF EXTRACELLULAR MATRIX IN DETERMINING THE SITE OF AORTIC ANEURYSM, TAA VERSUS AAA</p> <p><b>Z. Kassiri</b>, University of Alberta, Edmonton, AB, Canada</p>  | 087 |
| 17:45 | <p>IMPORTANCE OF THE MYOCARDIAL MICROENVIRONMENT IN THE BIOLOGY TRANSPLANTED MESENCHYMAL STEM CELLS</p> <p><b>F. Franchi</b>, V. Ramaswamy, K.M. Peterson, P. Ramasamy, M.G. Rodriguez-Porcel<br/>Mayo Clinic, Rochester, MN, USA</p>   | 088 |
| 18:00 | <p>CRUCIAL ROLE OF PI3-KINASE GAMMA IN VASCULAR SMOOTH MUSCLE CELL PROLIFERATION AND NEOINTIMA FORMATION BY REGULATING Skp2 AND p27(kip1)</p> <p><b>J. Li</b>, S. Liu, M. Wang, R. Jin, Hershey High School, Hershey, PA, USA</p>   | 089 |
| 18:15 | <p>CARDIAC TARGETING PEPTIDE: STUDIES INTO MECHANISM OF TRANSDUCTION</p> <p>K. Feldman, T. Feinstein, <b>M. Zahid</b>, University of Pittsburgh, Pittsburgh, PA, USA</p>  | 090 |
| 18:30 | <p>SLC3A2 IS A NOVEL ER STRESS-RELATED SIGNALING PROTEIN THAT REGULATES BOTH UPR AND APOPTOSIS IN CARDIOMYOCYTES</p> <p><b>C. Liu</b>, X. Li, C. Li, Y. Tian, K. He<br/>Translational Medicine, Beijing, China</p>  | 091 |
| 18:45 | <p>CALCIUM CHANNEL BLOCKERS: A MULTIPURPOSE APPROACH</p> <p><b>N. Motayaghani</b>, A. Atala<br/>Wake Forest University, Winston Salem, NC, USA</p>  | 092 |

S22

**Session****HYPERTENSION, LIPIDS, DIABETES MELLITUS AND CARDIOVASCULAR DISEASE – FROM BENCH TO BEDSIDE**

Chairs: **C. Chen**, Houston, TX, USA  
**C. Rosendorff**, Bronx, NY, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 16:45 | <p>FUNCTIONAL INACTIVATION OF MAST CELL ENHANCES SUBCUTANEOUS ADIPOSE TISSUE BROWNING THROUGH SEROTONIN IN MICE</p> <p><b>X. Zhang</b>, X. Wang, J. Liu, G.-P. Shi<br/>         Brigham and Women's Hospital and Harvard Medical School, Boston, MA, USA</p>   | 093 |
| 17:00 | <p>CARDIOVASCULAR OUTCOMES OF AMLODIPINE-BASED COMBINATION THERAPIES IN HIGH-RISK HYPERTENSIVE PATIENTS</p> <p><b>P.P. Lu</b>, X. Meng, A.H. Hu, W. Wang, L.Y. Ma, Y.Q. Zhang, X.Z. Zhang, L.H. Ma, L.S. Liu, X.L. Zhou<br/>         Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China</p> | 094 |
| 17:15 | <p>SEASONAL VARIATIONS IN BLOOD PRESSURE, NEUTROPHIL-LYMPHOCYTE RATIO AND WHITE BLOOD CELL COUNT IN A LARGE POPULATION OF PATIENTS WITH END STAGE RENAL DISEASE</p> <p><b>A. Long</b>, Z. Terner, J. Larkin, M. Reviriego-Mendoza, L. Usvyat, Y. Wang, P. Kotanko, F.W. Maddux<br/>         Fresenius Medical Care North America, Waltham, MA, USA</p>                                     | 095 |
| 17:30 | <p>DIRECT VERSUS CALCULATED LDL CHOLESTEROL AND C REACTIVE PROTEIN IN CARDIOVASCULAR DISEASE RISK ASSESSMENT IN THE FRAMINGHAM OFFSPRING STUDY</p> <p><b>H. Ikezaki</b>, V.A. Fisher, C.-T. Liu, K. Nakajima, B.F. Asztalos, N. Furusyo, J. Hayashi, L. Cupples, E.J. Schaefer<br/>         HNRCA at Tufts University, Boston, MA, USA</p>   | 096 |
| 17:45 | <p>ADIPOSE TISSUE SURFACE-EXPRESSION OF LDLR AND CD36; LINK TO RISK FACTORS FOR TYPE 2 DIABETES IN NORMOCHOLESTEROLEMIC SUBJECTS</p> <p>S. Bissonnette, Y. Cyr, V. Lamantia, V. Provost, G. Maye, M. Chretien, <b>M. Faraj</b><br/>         University of Montréal/ Clinical Research Institute of Montréal (IRCM), Montréal, QC, Canada</p>   | 097 |
| 18:00 | <p>PESSIMISTIC OUTLOOK IN ADOLESCENCE INCREASES RISK FOR OBESITY AND HYPERTENSION IN EARLY ADULTHOOD</p> <p><b>K. Anand</b>, S. Rajendran, S. Srinivas, A. Chockalingam<br/>         University of Missouri, Columbia, MO, USA</p>   | 098 |

S22

Session

**HYPERTENSION, LIPIDS, DIABETES MELLITUS AND CARDIOVASCULAR DISEASE – FROM BENCH TO BEDSIDE (continued)**

Abstract No.

- |       |  |     |
|-------|--|-----|
| 18:15 | <p>COMBINED TREATMENT BY LIPID-LOWERING DRUGS IN ACUTE LIPEMIA IN MICE<br/> <b>T.A. Korolenko</b>, M.M. Gevorgyan, N.P. Voronina, G.S. Russkikh, T.P. Korolenko, E. Machova<br/>                 Institute of Physiology and Basic Medicine, Novosibirsk, Russian Federation</p>   | 099 |
| 18:30 | <p>SPATIAL VARIATION ON PREVALENCE OF HYPERTENSION IN CHINA: RESULTS FROM CHINA HYPERTENSION SURVEY, 2012-2015<br/> <b>Z. Wang</b>, L. Pei, L. Zhang, J. Wu, X. Wang, Z. Chen, Y. Dong, C. Zheng, Y. Kang, R. Gao<br/>                 National Center of Cardiovascular Disease, FU WAI Hospital PUMC &amp; CAMS, Beijing, China</p>  | 100 |
| 18:45 | <p>PREDICTORS OF CORONARY ARTERY DISEASE IN PATIENTS WITH HYPERTENSIVE EMERGENCY WITH ELEVATED CARDIAC BIOMARKERS<br/>                 M. Rodriguez Ziccardi, <b>J. Penalver</b>, S. Basharat, C. Nwakile<br/>                 Einstein Medical Center, Philadelphia, PA, USA</p>  | 101 |
| 19:00 | <p>ROLE OF EPICARDIAL ADIPOSE TISSUE IN ATHEROSCLEROSIS ASSOCIATED WITH OBESITY<br/> <b>M. Addula</b><br/>                 Creighton University, Omaha, NE, USA</p>  | 102 |
| 19:15 | <p>TO COMPARE THE “REAL WORLD” EFFICACY OF PROPROTEIN CONVERTASE SUBTILISIN-KEXIN TYPE 9 (PCSK-9) INHIBITORS ALIROCUMAB VERSUS EVOLOCUMAB ON LDL LOWERING IN PATIENTS PRESENTING WITH DYSLIPIDEMIA: A SINGLE CENTER EXPERIENCE<br/> <b>S. Banga</b>, S. Pendyala, T.J. Kizhakekuttu<br/>                 OSF Saint Francis Medical Center, University of Illinois College of Medicine at Peoria, Peoria, IL, USA</p> | 103 |

S23

**Session****ADVANCES IN CARDIAC SURGERY: CONGENITAL HEART DISEASE / CORONARY REVASCULARIZATION / MECHANICAL CIRCULATORY SUPPORT / HEART TRANSPLANTATION**

Chairs: **A. Lorber**, Haifa, Israel  
**M.R. Movahed**, Scottsdale, AZ, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 16:45 | INITIAL INTRAVASCULAR ULTRASOUND IN THE EVALUATION OF CARDIAC TRANSPLANT VASCULOPATHY WITHOUT A ROUTINE EARLY BASELINE STUDY HAS PROGNOSTIC VALUE<br>R. Arsanjani, M. Hashemzadeh, <b>M.R. Movahed</b><br>Mayo Clinic, Scottsdale, AZ, USA  | 104 |
| 17:00 | A PROSPECTIVE COHORT STUDY OF RIGHT VENTRICULAR NORMALIZATION AFTER PULMONARY VALVE REPLACEMENT IN ASYMPTOMATIC PATIENTS WITH MODERATE OR GREATER PULMONARY REGURGITATION AFTER REPAIRED TETRALOGY OF FALLOT<br><b>F. He</b> , S. Li, Z. Feng<br>Fuwai Hospital, Beijing, China   | 105 |
| 17:15 | PATIENTS' PREFERENCES FOR CORONARY BYPASS GRAFTING OR STAGED PERCUTANEOUS CORONARY INTERVENTION IN MULTI-VESSEL CORONARY ARTERY DISEASE<br><b>M.-A. Ohlow</b> , A. Farah<br>Zentralklinik, Bad Berka, Germany   | 106 |
| 17:30 | A PROPENSITY SCORE MATCHED STUDY OF ON PUMP AND OFF PUMP CORONARY ARTERY BYPASS SURGERY<br><b>Y. Toyoda</b> , M.A.K. Kashem<br>Lewis Katz School of Medicine at Temple University, Philadelphia, PA, USA  | 107 |
| 17:45 | MIDTERM COMPARISON OF ANNULOPLASTY RINGS IN ISOLATED MITRAL VALVE REGURGITATION<br><b>O. Altas</b> , O. Yerlikhan, M. Ozgur, A. Karakoc, K. Kirali<br>Kosuyolu Heart Training and Research Hospital, Istanbul, Turkey   | 108 |
| 18:00 | MISPLACED PACEMAKER LEAD DUE TO A PARTIAL ANOMALOUS PULMONARY VENOUS CONNECTION<br><b>B. Gheyath</b> , R. Kaul, A. Aggarwal, M. Summers, M. Abdallah, D. Majdalany<br>Cleveland Clinic Foundation, Cleveland, OH, USA   | 109 |
| 18:15 | INCIDENCE OF ACUTE CELLULAR REJECTION AFTER HEART TRANSPLANTATION AND ITS IMPACT ON ONE-YEAR SURVIVAL: A REPORT FROM TERTIARY CARE HOSPITAL IN THAILAND<br><b>C. Techorueangwiwat</b> , S. Siphurmsukskul, P. Ongcharit, K. Thammanatsakul, W. Polsawat, S. Siwamogsatham, S. Puwanant, V. Benjacholamas, A. Ariyachaipanich<br>Chulalongkorn University, Bangkok, Thailand | 110 |



## FRIDAY, JULY 27, 2018

16:45 – 19:15

Hall C

		Abstract No.
<b>S23</b>	<b>Oral Session</b> <b>ADVANCES IN CARDIAC SURGERY: CONGENITAL HEART DISEASE / CORONARY REVASCULARIZATION / MECHANICAL CIRCULATORY SUPPORT / HEART TRANSPLANTATION (continued)</b>	
18:30	SURGICAL TREATMENT OF PRIMARY BENIGN RIGHT VENTRICULAR TUMORS: A 10-YEAR SINGLE-CENTER STUDY <b>E. Qiao</b> Peking Union Medical College, Chinese Academy of Medical Sciences, Fuwai Hospital, Beijing, China	111
18:45	VASOACTIVE AGENT EXPOSURE PRIOR TO ACUTE MECHANICAL CIRCULATORY SUPPORT FOR CARDIOGENIC SHOCK IS ASSOCIATED WITH END ORGAN DYSFUNCTION AND MORTALITY <b>A. Razavi</b> , K. Morine, M. Esposito, S. Annamalai, C. Davila, R. Pedicini, L. Jorde, K. Gobeil, J. Hernandez-Montfort, N. Kapur Tufts Medical Center, Boston, MA, USA	112
19:00	ANOMALOUS CORONARIES IN CHILDREN PRESENT WITH GENDER DIFFERENCES DISSIMILAR TO ADULTS <b>B. Robinson</b> , C. Baird, F. Pigula Patients' Precision Clinic BR Health for You, LLC.; Children's Hospital Boston, Boston, MA, USA	113

**P201 ACUTE ISCHEMIC STROKE**

Board No.		Abstract No.
1	<p>INFLAMMATORY CYTOKINES, IL-1 AND TNF-A, ARE CLUE FOR DETERMINING STROKE ETIOLOGY WITH THE SUSCEPTIBILITY VESSEL SIGN ON MRI</p> <p><b>H.-S. Kim</b>, M.-S. Park, E.-H. Kim, J.-T. Park, W. Yoon Chonnam National University Med. School, Gwangju, Republic of Korea</p>	114
2	<p>CEREBRAL INFARCTION IS ASSOCIATED WITH MULTIPLE RISK FACTORS IN PATIENTS WITHOUT SEVERE CAROTID SCLEROSIS</p> <p><b>E. Matsubara</b>, T. Matsubara, T. Tomaru Tokyo University Hospital, Tokyo, Japan</p>	115
3	<p>FINDING CLOSURE AFTER CRYPTOGENIC STROKE</p> <p><b>M. Patel</b>, A. Goud, A. Patel, A. Mukherjee, P. Sethi, R. Pai University of California, Riverside, Alta Loma, CA, USA</p>	116

**P202 PERIPHERAL ARTERY DISEASE AND AORTIC DISEASE**

4	<p>RETAINED AORTIC MISSILE: A CASE OF A PARTIALLY EMBEDDED BULLET IN THE DESCENDING AORTA</p> <p><b>D. Hill</b>, A. Einhorn Orlando Health, Orlando, FL, USA</p>	117
5	<p>A RARE CASE OF MYOCARDIAL ISCHEMIA CAUSED BY DESCENDING AORTA TO RIGHT INFERIOR PULMONARY ARTERY FISTULA</p> <p><b>T.-H. Wu</b>, C.-J. Wu Veterans General Hospital- Kaohsiung, Taiwan, Kaohsiung, Taiwan</p>	118
6	<p>COMMERCIAL PERIPHERAL ARTERIAL DISEASE SCREENING OUTSIDE THE SCOPE OF ESTABLISHED GUIDELINES</p> <p><b>H. Hirzallah</b>, A. Mallad, A. Amro, D. Kusmic, M. El-Hamdani Marshall University Joan C. Edwards School of Medicine., Huntington, WV, USA</p>	119
7	<p>USE OF OPTICAL COHERENCE TOMOGRAPHY IN TREATING A CHRONIC TOTAL OCCLUSION FROM A VIETNAM WAR INJURY</p> <p><b>B. Horn</b>, J. George Einstein Medical Center, Philadelphia, PA, USA</p>	120

**P203 HEART FAILURE: DIAGNOSIS AND MANAGEMENT**

Board No.		Abstract No.
8	<p>KIDNEY DYSFUNCTION IN PATIENTS RECEIVING PERCUTANEOUS LEFT VENTRICULAR ASSIST DEVICE                      H. Aboud, <b>S. Sutchu</b>, A. Kazory                      University of Florida, Gainesville, FL, USA</p>	121
9	<p>LEARNING NEEDS OF PATIENTS WITH DIASTOLIC HEART FAILURE  <b>J.-A. Ahn</b>, J.-S. Park, P.-K. Min                      Ajou University, Suwon, Republic of Korea</p>	122
10	<p>FAMILIAL AMYLOID CARDIOMYOPATHY: A CASE SERIES                      A.C. Atanda, O. Atanda, <b>E. Mbey</b>, O. Omole, D. Ugwendum, T. Ogundipe, B. Curry, O. Akinboboye                      Howard University Hospital, Washington, DC, USA</p>	123
11	<p>FACTORS AFFECTING LENGTH OF STAY AND TIME TO READMISSION IN A RETROSPECTIVE HEART FAILURE READMISSION COHORT  <b>J. Aoun</b>, S. Khare, M. Ghanim, G. Yesodharan, M. Afari, S. Hedge, L. Tsao                      Saint Elizabeth's Medical Center, Brighton, MA, USA</p>	124
12	<p>LUNG INFILTRATES IN A PATIENT ON BORTEZOMIB - NOT ALWAYS PNEUMONIA  <b>S. Basharat</b>, M. Rodriguez Ziccardi, M. Bandres, A. Pop                      Albert Einstein Medical Center, Philadelphia, PA, USA</p>	125
13	<p>INHALED RACEMIC EPINEPHRINE AS A TRIGGER FOR TAKOTSUBO CARDIOMYOPATHY  <b>M. Ghanim</b>, M. Almnajam, S. Khare, M.E. Afari, M. Khan                      Saint Elizabeth Medical Center, Brighton, MA, USA</p>	126
14	<p>PREMATURE MYOCARDIAL INFARCTION AS THE PRESENTING SIGN OF HYPERCOAGULABLE SYNDROME  <b>E.P. Hiltner</b>, A. Alam, K. Patel, J. Xu, H. Doshi, D. James, D. Iyer, J. Almendral, K. Mody                      Rutgers-Robert Wood Johnson Medical School, New Brunswick, NJ, USA</p>	127
15	<p>STRESS CARDIOMYOPATHY: LOOK AT THE URINE!  <b>S.A. Raza</b>, S. Haley, L. Hunter, F. Raza                      Methodist Health System- Dallas, Dallas, TX, USA</p>	128
16	<p>CANNABIS INDUCED BASAL-MID VENTRICULAR STRESS CARDIOMYOPATHY  <b>S.J. Meera</b>, S. Vallabhaneni, R. Aurshiya, S. Pakniyat, J. Shirani                      St. Luke's University Health Network, Bethlehem, PA, USA</p>	129
17	<p>UTILIZATION OF BIOIMPEDANCE SPECTROSCOPY IN LIEU OF INVASIVE MONITORING FOR MONITORING FLUID OVERLOAD  <b>A.A. Accardi</b>, J.T. Heywood                      Scripps Memorial Hospital, Encinitas, CA, USA</p>	130

**P204 DILATED CARDIOMYOPATHY**

Board No. Abstract No.

18 CLINICAL, ELECTROCARDIOGRAPHIC, ECHOCARDIOGRAPHIC PROFILE AND OUTCOMES OF ADULT PATIENTS WITH DILATED CARDIOMYOPATHY AT MAKATI MEDICAL CENTER: A SUBSET ANALYSIS OF THE PHILIPPINE HEART ASSOCIATION (PHA) CARDIOMYOPATHY REGISTRY  
**M. Maliwat**, B. Alimurung, G. Lopez, V. Zarza-Geron  
Makati Medical Center, Makati City, Philippines 131

19 PERI-MYOCARDITIS IN A PATIENT WITH COINFECTION OF *MYCOPLASMA* AND *COXSACKIE B* LEADING TO DILATED CARDIOMYOPATHY  
**D. Zakri**, J. Saurez, Y. Braver  
Brandon Regional Hospital, Brandon, FL, USA 132

20 CHRONIC NASAL DECONGESTANT USE AND TACHYCARDIOMYOPATHY: A CASE REPORT  
J.R.F. Rocha, I.C. Pinheiro, M. Giannini, **M.C. Caires**, P.B. Villela, R.M. Ferreira, L.A. Salis, N.A. de Souza e Silva  
Edson Saad Heart Institute, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil 133

**P205 HYPERTROPHIC CARDIOMYOPATHY**

21 IMPACT OF CONTEMPORARY TREATMENT STRATEGIES ON PATIENTS WITH EXTREME HYPERTROPHIC CARDIOMYOPATHY PHENOTYPE  
**M.D. Romashko**, B.J. Maron, W. Wang, H. Rastegar, M.S. Maron, E.J. Rowin  
Tufts Medical Center, Boston, MA, USA 134

22 UNUSUAL CAUSES OF RESOLUTION OF LVOT OBSTRUCTION IN HYPERTROPHIC CARDIOMYOPATHY  
**R. Aurshiya**, S. Meera, S. Pakniyat, J. Shirani  
St. Luke's University Health Network, Bethlehem, PA, USA 135

23 MYOCARDIAL ISCHEMIA CAUSED BY SINGLE CORONARY ARTERY IN HYPERTROPHIC CARDIOMYOPATHY  
A. Sinha, R. Kumar, **J. Shirani**  
St. Luke's University Health Network, Bethlehem, PA, USA 136

24 MARKED REGRESSION OF LVH IN FAMILIAL HYPERTROPHIC CARDIOMYOPATHY FOLLOWING BARIATRIC SURGERY AND SUBSTANTIAL WEIGHT LOSS  
**S. Meera**, R. Aurshiya, S. Vallabhaneni, S. Pakniyat, J. Shirani  
St. Luke's University Health Network, Bethlehem, PA, USA 137

**P205 HYPERTROPHIC CARDIOMYOPATHY (continued)**

Board No		Abstract No.
25	A CASE OF CONSTRICTIVE CARDIOMYOPATHY IN FAMILIAL AMYLOIDOSIS <b>R. Shah</b> , J. Uribe, G. Velasquez, P. Taylor, Orlando Health, Orlando, FL, USA	138
26	PERSISTENT ST ELEVATION: HYPERTROPHIC CARDIOMYOPATHY RARELY DISCUSSED <b>M. Khattab</b> , J.R. Martinez Parachini, A. Ul Haq, E. Mora Garzon, E.P. Ngo University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA	139

**P206 PERICARDIAL DISEASE**

27	A PATIENT WITH A LARGE PERICARDIAL MASS <b>A. Sustar</b> , D. Javoran, University Hospital Centre, Rijeka, Croatia	140
28	PERICARDIAL EFFUSION IN A NON-HIV PATIENT AS A HARBINGER FOR A RARE PRIMARY EFFUSION LYMPHOMA <b>S. Basharat</b> , M. Rodriguez Ziccardi, M. Bandres, A. Pop Albert Einstein Medical Center, Philadelphia, PA, USA	141
29	UNILATERAL PLEURAL EFFUSION: AN UNUSUAL PRESENTATION OF DRESSLER'S SYNDROME SECONDARY TO PCI <b>N. Shah</b> , R. Pansare, Internal Medicine, St Mary Mercy Hospital, Livonia, MI, USA	142

**P207 CARDIOVASCULAR DISEASE IN PATIENTS WITH CHRONIC KIDNEY DISEASE**

30	THE ROLE OF SEMAPHORIN-3C (SEMA3C) IN INTERPLAY BETWEEN RENAL EPITHELIAL-ENDOTHELIAL CELLS DURING CYST DEVELOPMENT IN POLYCYSTIC KIDNEY DISEASE <b>J. Park</b> , E. Lee, Sookmyung Women's University, Seoul, Republic of Korea	143
31	NEGATIVE MULTIPLICATION EFFECT OF KIDNEY DYSFUNCTION ON NON VALVULAR ATRIAL FIBRILLATION <b>M. Zeeshan</b> , R. Ayinla, T. Ahmad Penn State Hershey Medical Center, Hershey, PA, USA	144
32	RENAL ARTERY STENOSIS PRESENTED WITH SUDDEN FLASH PULMONARY EDEMA IN A PATIENT WITH SINGLE KIDNEY <b>J. Choi</b> , Y. Kim Uijeongbu St. Mary's Hospital, Gyeonggi-do, Republic of Korea	145

**P208 EXERCISE PHYSIOLOGY, EXERCISE TESTING**

33	EFFECTS OF A YOGA INTERVENTION IN REDUCING JOB STRESS AND CARDIOVASCULAR DISEASE RISK FACTORS <b>W.J. Hwang</b> , J. Ha, J. Kim Kyung Hee University, Seoul, Republic of Korea	146
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ANNUAL SCIENTIFIC SESSIONS 2018  
23rd WORLD CONGRESS ON  
**HEART DISEASE**

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BOSTON, MA, USA, JULY 27 – 29, 2018

SCIENTIFIC  
PROGRAM

Saturday, July 28, 2018

SCIENTIFIC PROGRAM







## SATURDAY, JULY 28, 2018

08:30 – 11:00

Hall A

PL07

Plenary Session

**CARDIOVASCULAR PROTECTION, REPAIR AND REGENERATION**

Chairs: **N. Maulik**, Farmington, CT, USA  
**J.L. Mehta**, Little Rock, AR, USA

Abstract No.

08:30	A NOVEL MECHANISM CONTROLLING SMOOTH MUSCLE PHENOTYPE AND VASCULAR REMODELING (Invited Lecture) Y.-C. Wang, X.-B. Cui, Y.-H. Chuang, <b>S.-Y. Chen</b> University of Georgia, Athens, GA, USA	147
08:45	microRNAs IN CARDIOVASCULAR REMODELING AND DISEASE (Invited Lecture) <b>D.-Z. Wang</b> , Boston Children's Hospital, Boston, MA, USA	148
09:00	MECHANISM OF CARDIOVASCULAR REMODELING IN HEART FAILURE (Invited Lecture) <b>S.C. Tyagi</b> , University of Louisville School of Medicine, Louisville, KY, USA	149
09:15	REGULATION OF ANGIOGENIC RESPONSE IN DIABETIC MYOCARDIUM (Invited Lecture) <b>N. Maulik</b> , University of Connecticut School of Medicine, Farmington, CT, USA	150
09:30	PCSK9 EXPRESSION IN THE ISCHEMIC HEART AND ITS RELATIONSHIP TO INFARCT SIZE AND CARDIAC FUNCTION (Invited Lecture) <b>J.L. Mehta</b> , Z. Ding University of Arkansas for Medical Science, Little Rock, AR, USA	151
09:45	CARDIAC CELL THERAPY: CUMULATIVE DATA AND NEW CONCEPTS (Invited Lecture) <b>B. Dawn</b> , University of Nevada, Las Vegas, NV, USA	152
10:00	MULTI-FACETED CONTRIBUTION OF TIMPs TO MYOCARDIAL REMODELING (Invited Lecture) <b>Z. Kassiri</b> , University of Alberta, Edmonton, AB, Canada	153
10:15	LONG-TERM EXERCISE-DERIVED EXOSOMAL MIRNAS AS NOVEL EXERKINES FOR CARDIOVASCULAR PROTECTION (Invited Lecture) J. Wu, Z. Hou, X. Qin, X. Zhang, <b>F. Gao</b> The Fourth Military Medical University, Xian, China	154
10:30	PREVENTION OF MYOCARDITIS/DCM USING REGENERATIVE MEDICINE THERAPY (Invited Lecture) <b>D. Fairweather</b> , K. Bruno, A. Hill, P. Stalboerger, L. Cooper, Jr., A. Behfar Mayo Clinic, Jacksonville, FL, USA	155
10:45	NATRIURETIC PEPTIDE RECEPTOR-C IMPROVES VASCULAR REMODELING IN SPONTANEOUSLY HYPERTENSIVE RATS (Invited Lecture) <b>M.B. Anand-Srivastava</b> , University of Montreal, Montreal, QC, Canada	156
11:00	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

**PL08 Plenary Session**  
**VALVULAR AND STRUCTURAL HEART DISEASE – ASSESSMENT AND NOVEL TREATMENTS**

Chairs: **A.R. Opotowsky**, Boston, MA, USA  
**N.M. Rajamannan**, Rochester, MN, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 08:30 | <p>FEMALE GENDER IS A PREDICTOR OF VASCULAR COMPLICATIONS IN PATIENTS UNDERGOING TRANS-CATHETER AORTIC VALVE REPLACEMENT FOR SYMPTOMATIC SEVERE AORTIC STENOSIS: A SINGLE CENTER EXPERIENCE</p> <p><b>R. Patel</b>, S. Banga, J. Patel, M. Barzallo, S. Mungee<br/>         University of Illinois College of Medicine-Peoria/OSF Healthcare, Bloomington, IL, USA</p> | 157 |
| 08:45 | <p>A NOVEL AUTOLOGOUS TISSUE-ENGINEERED HEART VALVE FOR TRANSCATHETER IMPLANTATION</p> <p><b>Y. Takewa</b>, Y. Nakayama, J. Shimamura, E. Tatsumi<br/>         National Cerebral and Cardiovascular Center, Osaka, Japan</p>   | 158 |
| 09:00 | <p>THE EMERGING ROLE OF CIRCULATING AND URINARY BIOMARKERS IN THE ASSESSMENT OF ADULTS WITH CONGENITAL HEART DISEASE (Invited Lecture)</p> <p><b>A.R. Opotowsky</b><br/>         Boston Children's and Brigham &amp; Women's Hospitals, Boston, MA, USA</p>  | 159 |
| 09:15 | <p>GENETICS OF VALVE DISEASES (Invited Lecture)</p> <p><b>R. Durst</b><br/>         Hadassah Hebrew University Medical Center, Jerusalem, Israel</p>   | 160 |
| 09:30 | <p>NHLBI WORKING GROUP RECOMMENDATIONS ON CALCIFIC AORTIC VALVE DISEASE: THE CHAIRMAN'S PERSPECTIVE (Invited Lecture)</p> <p><b>N.M. Rajamannan</b><br/>         Mayo Clinic, Rochester, MN, and Most Sacred Heart of Jesus Cardiology and Valvular Institute, Sheboygan WI, Corvita, Chicago IL, USA</p>  | 161 |
| 09:45 | <p>FRAILITY AND CLINICAL OUTCOMES OF TRANSCATHETER AORTIC VALVE REPLACEMENT (Invited Lecture)</p> <p><b>A. Cheema</b><br/>         St. Michael's Hospital, Toronto, ON, Canada</p>   | 162 |
| 10:00 | <p>AORTIC REGURGITATION; ASSESSMENT OF ETIOLOGY &amp; SEVERITY: IS IT STILL A CHALLENGE? (Invited Lecture)</p> <p><b>H.P. Chaliki</b><br/>         Mayo Clinic, Scottsdale, AZ, USA</p>  | 163 |

## SATURDAY, JULY 28, 2018

08:30 – 11:00

Hall B

		Abstract No.
<b>PL08</b>	<b>Plenary Session</b> <b>VALVULAR AND STRUCTURAL HEART DISEASE – ASSESSMENT AND NOVEL TREATMENTS (continued)</b>	
10:15	TRICUSPID REGURGITATION - CURRENT AND EMERGING THERAPIES (Invited Lecture) <b>S. Singh</b> Cedars-Sinai Heart Institute, Los Angeles, CA, USA	164
10:30	NON-INVASIVE DIAGNOSTIC DILEMMA FOR LOW FLOW LOW GRADIENT AORTIC STENOSIS (Invited Lecture) <b>S. Rasla</b> St Vincent Hospital, Boston, MA, USA	165
10:45	PRE-TAVR HYPERBILIRUBINEMIA ASSOCIATED WITH POST-TAVR IN-HOSPITAL MORTALITY <b>S. Jou</b> , H. Patel, H. Oglat, R. Zhang, L. Zhang, A. Nappi, M. Torosoff Albany Medical College, Albany, NY, USA	166
11:00	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

S24

## Session

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

Chairs: **T. Akasaka**, Wakayama, Japan  
**T.H. Schindler**, Baltimore, MD, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 08:30 | <p>AN ASSOCIATION BETWEEN RENAL FUNCTION ONE YEAR AFTER KIDNEY TRANSPLANT AND INCIDENTAL PERICARDIAL EFFUSION<br/> <b>J. Muste</b>, E. Pashkovetsky, S. Wang, R. Lopez-Soler, D. Conti, M. Torosoff, R. Lyubarova<br/>         Albany Medical College, Albany, NY, USA</p>                  | 167 |
| 08:45 | <p>PARADOXICAL SINUS DECELERATIONS DURING DOBUTAMINE STRESS TESTING<br/> <b>S. Vallabhaneni</b>, R. Aurshiya, S. Agrawal, L. Stone, R. Silmi, S. Pakniyat, S. Nanda, J. Shirani<br/>         St Luke's University Health Network, Bethlehem, PA, USA</p>                                    | 168 |
| 09:00 | <p>PEDIATRIC PATIENTS HAVE PRESERVED LEFT VENTRICULAR LONGITUDINAL STRAIN EARLY AFTER HEMATOPOIETIC STEM CELL TRANSPLANTATION DESPITE EXPOSURE TO CARDIOTOXIC AGENTS<br/> <b>N. Ray Chaudhuri</b>, C. Ebens, A. Sanchez Mejia<br/>         University of Minnesota, Saint Paul, MN, USA</p> | 169 |
| 09:15 | <p>COMPARISON OF THE 2009 AND 2016 AMERICAN SOCIETY OF ECHOCARDIOGRAPHY(ASE) GUIDELINES FOR DIASTOLOGY ASSESSMENT<br/>         S.M. Hussain, B.J. Hachey, C. Ahmed, <b>A. Altamiranoufion</b>, S. Danciu<br/>         Advocate Illinois Masonic Medical Center, Chicago, IL, USA</p>        | 170 |
| 09:30 | <p>NONINVASIVE ASSESSMENT OF CENTRAL VENOUS PRESSURE USING CONTINUOUS FLOW FROM THE INFERIOR VENA CAVA INTO RIGHT ATRIUM<br/>         R. Ranjan, <b>E.J. Friend</b>, V. Figuredo, G.S. Pressman, N. Schiller<br/>         Einstein Healthcare Network, Philadelphia, PA, USA</p>            | 171 |
| 09:45 | <p>PREVALENCE AND THE DETERMINANTS OF A-WAVE DOMINANT PATTERN IN PATIENTS WITH SEVERE MITRAL REGURGITATION<br/>         K.R. Kolla, <b>N. Qureshi</b>, H.P. Chaliki<br/>         Mayo Clinic, Scottsdale, AZ, USA</p>   | 172 |
| 10:00 | <p>USE OF CONTRAST AGENTS TO ENHANCE IMAGE QUALITY IN 2 D ECHOCARDIOGRAPHY FOR STRAIN ANALYSIS<br/> <b>I. Baig</b>, S. Nanavaty, A. Sothwal, A. Alsaid, T. Bauch<br/>         University, Geisinger Medical Center, Danville, PA, USA</p>   | 173 |
| 10:15 | <p>ADVANCES IN MULTIMODALITY CARDIOVASCULAR IMAGING OF PERICARDIAL CONDITIONS (Invited Lecture)<br/> <b>B. Xu</b>, S.C. Harb, A.L. Klein<br/>         Cleveland Clinic, Cleveland, OH, USA</p>  | 174 |

## SATURDAY, JULY 28, 2018

08:30 – 10:45

Hall C

S24

Session

### CARDIOVASCULAR IMAGING MODALITIES FOR EVALUATION OF CORONARY CIRCULATION, CARDIAC STRUCTURE AND FUNCTION (continued)

Abstract No.

- 10:30 RIGHT VENTRICULAR DYSFUNCTION DIFFERS IN PATIENTS WITH IDIOPATHIC PULMONARY HYPERTENSION VS SECONDARY PULMONARY HYPERTENSION 175  
S. Emami, N. Samiei, A. Amin, S. Taghavi, M. Parsaei, N. Naderi, A. Serati,  
**M. Movahed**  
CareMore and University of Arizona, Tucson, AZ, USA
- 10:45 COFFEE BREAK, VISIT POSTERS AND EXHIBITION

11:15 – 13:15

Hall A

PL09

Plenary Session

### HYPERTENSION, OBESITY, DIABETES MELLITUS AND CARDIOVASCULAR DISEASE, PREVENTION, RISK REDUCTION AND TREATMENT

Chairs: **W.S. Aronow**, Valhalla, NY, USA

**J.S. Borer**, New York, NY, USA

- 11:15 FROM THE 2017 ACC/AHA HYPERTENSION GUIDELINES (Invited Lecture) 176  
**W.S. Aronow**  
Westchester Medical Center/New York Medical College, Valhalla, NY, USA
- 11:30 NON-STEROIDAL ANTI-INFLAMMATORY DRUGS (NSAIDS): 177  
CARDIOVASCULAR EVENTS ARE RELATED PRIMARILY TO IMPACT OF NSAIDS  
ON BLOOD PRESSURE RATHER THAN TO COX SELECTIVITY  
(Invited Lecture)  
**J.S. Borer**, F. PRECISION Trial Executive Committee  
SUNY Downstate, New York, NY, USA
- 11:45 LEFT VENTRICULAR HYPERTROPHY AND HEART FAILURE IN 178  
HYPERTENSION - MOLECULAR AND CELLULAR MECHANISMS  
(Invited Lecture)  
**C. Rosendorff**  
Mount Sinai Heart, Icahn School of Medicine, and the James J. Peters VA  
Medical Center, New York, NY, USA

**PL09 Plenary Session****HYPERTENSION, OBESITY, DIABETES MELLITUS AND CARDIOVASCULAR DISEASE, PREVENTION, RISK REDUCTION AND TREATMENT (continued)**

Abstract No.

- |       |  |     |
|-------|--|-----|
| 12:00 | ROLE OF THE NOVEL ADIPOKINE IN CARDIOVASCULAR DISEASE<br>(Invited Lecture)<br><b>N. Ouchi</b><br>Nagoya University Graduate School of Medicine, Nagoya, Japan  | 179 |
| 12:15 | DOES CARDIORESPIRATORY FITNESS MODULATE THE INCIDENCE<br>OF TYPE 2 DIABETES IN PATIENTS ON STATIN THERAPY (Invited Lecture)<br><b>P. Kokkinos</b><br>Veterans Affairs Medical Center and Georgetown University School of Medicine,<br>Washington, DC, USA  | 180 |
| 12:30 | MANAGEMENT OF METABOLIC SYNDROME AND ATHEROSCLEROSIS<br>IN MULTIPLE MOUSE MODELS OF HUMAN TYPE II DIABETES AND<br>HEART DISEASE (Invited Lecture)<br><b>S.B. Chatterjee</b><br>Johns Hopkins University, Baltimore, MD, USA  | 182 |
| 12:45 | CARDIOVASCULAR ACTIVATION DURING SOCIALLY EVALUATED COLD-<br>PRESSOR TEST IS ASSOCIATED WITH CHANGES IN IMMUNE FUNCTION<br>BUT NOT WITH ACTIVATION OF STEROID STRESS HORMONES<br>(Invited Lecture)<br><b>D. Jezova</b> , K. Buzgoova, L. Balagova, D. Kapsdorfer, M. Marko, I. Riečanský<br>Biomedical Research Center, Slovak Academy of Sciences, Bratislava, Slovakia | 183 |
| 13:00 | PERINODAL ADIPOSE TISSUE PARTICIPATES IN IMMUNE PROTECTION<br>THROUGH A LYMPHATIC VESSEL-INDEPENDENT ROUTE (Invited Lecture)<br><b>S. Liao</b><br>University of Calgary, Calgary, AB, Canada   | 184 |
| 13:15 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION  |     |

## SATURDAY, JULY 28, 2018

11:15 – 13:30

Hall B

PL10

### Plenary Session

#### INTERVENTIONAL CARDIOLOGY AND CARDIAC SURGERY: CURRENT STATUS AND FUTURE DIRECTIONS

Chairs: **D.L. Bhatt**, Boston, MA, USA  
**B.F. Uretsky**, Little Rock, AR, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 11:15 | EXPANDED USES OF INVASIVE PHYSIOLOGICAL TESTING FOR CLINICAL DECISION- MAKING IN CAD PATIENTS (Invited Lecture)<br><b>B.F. Uretsky</b> , University of Arkansas for Medical Sciences, Little Rock, AR, USA  | 185 |
| 11:30 | MYCOBACTERIUM CHIMAERA IN CARDIAC SURGERY (Invited Lecture)<br><b>L.P. Perrault</b> , J. Tardif, P. Pagé, P. Demers, D. Roy<br>Montreal Heart Institute, Montreal, QC, Canada   | 186 |
| 11:45 | OCT-GUIDED PCI: PRESENT STATUS AND FUTURE PERSPECTIVES (Invited Lecture)<br><b>T. Akasaka</b> , Wakayama Medical University, Wakayama, Japan  | 188 |
| 12:00 | DIFFERENT MODULATION OF MIRNA BY CLOPIDOGREL AND TICAGRELOR IN PATIENTS WITH NSTEMI (Invited Lecture)<br><b>L. Biasucci</b> , C. Mandolini, M.C. Grimaldi, G. Larosa<br>Catholic University of Rome, Rome, Italy  | 189 |
| 12:15 | THE RATIONALE FOR PERCUTANEOUS MECHANICAL CIRCULATORY SUPPORT IN CARDIOGENIC SHOCK AND PROTECTED PCI (Invited Lecture)<br><b>R. Sachdeva</b> , Morehouse School of Medicine, Atlanta, GA, USA   | 190 |
| 12:30 | CLINICAL FEASIBILITY OF A FULLY AUTOMATED 3D RECONSTRUCTION OF ROTATIONAL CORONARY X-RAY ANGIOGRAMS (Invited Lecture)<br><b>J.A. Garcia Fernandez</b> , Orlando Health, Orlando, FL, USA  | 191 |
| 12:45 | THE DISTAL LEFT RADIAL ARTERY ACCESS FOR CORONARY ANGIOGRAPHY AND INTERVENTION: A NEW ERA (Invited Lecture)<br><b>A. Lotfi</b> , Medical Center, Springfield, MA, and Baystate Medical Center, Springfield, MA, USA   | 192 |
| 13:00 | DEVELOPMENT OF A NOVEL AUTOLOGOUS HEART VALVE<br><b>Y. Takewa</b> , Y. Nakayama, J. Shimamura, E. Tatsumi<br>National Cerebral and Cardiovascular Center, Osaka, Japan  | 193 |
| 13:15 | A NOVEL CONCEPT IN REPAIR OF TETRALOGY OF FALLOT: PULMONARY ANNULUS Z-SCORE MAY NOT BE THE DETERMINANT FOR TRANSANNULAR PATCH ENLARGEMENT<br><b>X. Jiang</b> , Q. Wang, Peking Union Medical College, Fuwai Hospital, National Center for Cardiovascular Diseases and Chinese Academy of Medical Sciences, Beijing, China | 194 |
| 13:30 | LUNCH BREAK, VISIT POSTERS AND EXHIBITION   |     |

**S25 CELLULAR, MOLECULAR AND GENETIC MECHANISMS OF CARDIOVASCULAR DISEASE**

Chairs: **D.P. Ramji**, Cardiff, UK  
**S. Schaefer**, Davis, CA, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 11:15 | <p>CONGENITAL HEART ABNORMALITIES ASSOCIATED WITH LOSS OF FUNCTION FILAMIN A GENE MUTATIONS<br/> <b>M. Chen</b>, M. Hirata, C. Walsh, S. Choudhury<br/>         Boston Children's Hospital, Boston, MA, Boston, MA, USA</p>  | 195 |
| 11:30 | <p>POLYGENIC RISK FOR DEPRESSION INCREASES RISK FOR ISCHEMIC STROKE: FROM THE STROKE GENETICS NETWORK (SIGN) STUDY<br/> <b>S. Wassertheil-Smoller</b><br/>         Albert Einstein College of Medicine, New York, NY, USA</p>  | 196 |
| 11:45 | <p>MITOPHAGY PLAYS A PROTECTIVE ROLE IN THE DIABETIC MOUSE HEART<br/> <b>F. Zhao</b>, S. Kobayashi, T. Kobayashi, Y. Huang, Y. Zhang, Q. Liang<br/>         New York Institute of Technology, New York, NY, USA</p>  | 197 |
| 12:00 | <p>EXOME SEQUENCING AND FUNCTIONAL ANALYSIS FOR PATIENTS WITH EARLY ONSET CARDIAC CONDUCTION-SYSTEM DISEASES<br/> <b>K. Hayashi</b>, A. Nomura, Y. Asano, M. Beerens, Y. Kurata, N. Fujino, H. Tada, C. MacRae, S. Takashima, M. Yamagishi<br/>         Kanazawa University Graduate School of Medicine, Kanazawa, Japan</p> | 198 |
| 12:15 | <p>AGE-RELATED DOWNREGULATION OF SIRT6/NRF2 SIGNAL CONTRIBUTES TO THE DECREASED HEART ISCHEMIC TOLERANCE IN OLDER MICE<br/> <b>D. Han</b>, J.-W. Chen, F. Cao, Chinese PLA General Hospital, Beijing, China</p>  | 199 |
| 12:30 | <p>EXOGENOUS GDF11 PROTECTS AGAINST MYOCARDIAL ISCHEMIA-REPERFUSION INJURY VIA ATTENUATION OF TGF-<math>\beta</math> SIGNALING PATHWAY<br/> <b>H. Su</b>, J.-C. Yen, S.-S. Huang, National Yang-Ming University, Taipei, Taiwan</p>  | 200 |
| 12:45 | <p>SUBPROTEOMIC ANALYSIS OF CARDIOMYOPATHIC CHANGES IN X-LINKED MUSCULAR DYSTROPHY<br/>         S. Murphy, M. Zweyer, R.R. Mundegar, D. Swandulla, <b>K. Ohlendieck</b><br/>         Maynooth University, Maynooth, Ireland</p>  | 201 |
| 13:00 | <p>ALLICIN DISRUPTS CARDIAC CAV1.2 CHANNELS VIA TRAFFICKING<br/> <b>D. Han</b>, J. Sun, X. Sun, P. Liu, Y. Liu<br/>         The First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China</p>   | 202 |
| 13:15 | <p>A NOVEL CACNA1C MUTATION IN A CHINESE FAMILY WITH BRUGADA SYNDROME<br/> <b>M. Cao</b>, D. Han, C. Sun, J. Wu, J. Sun, G. Li<br/>         The First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China</p>   | 203 |
| 13:30 | <p>LUNCH BREAK, VISIT POSTERS AND EXHIBITION</p>   |     |



**P301 NON-INVASIVE CARDIAC IMAGING, NUCLEAR CARDIOLOGY AND ECHOCARDIOGRAPHY**

Board No.		Abstract No.
1	<p>POINT-OF-CARE ULTRASOUND IN CARDIAC ARREST: A REVIEW OF THE ASSESSMENT OF CARDIAC MOTION IN THE SETTING OF CARDIAC ARREST                      W. Ciozda, A. Kimchi, <b>I. Kedan</b>                      David Geffen School of Medicine at UCLA, Los Angeles, CA, USA</p>	<b>204</b>
2	<p>THREE-DIMENSIONAL SPECKLE TRACKING ECHOCARDIOGRAPHIC EVALUATION OF BIVENTRICULAR FUNCTION IN ADOLESCENTS AND YOUNG ADULTS WITH HUMAN IMMUNODEFICIENCY VIRUS INFECTION ACQUIRED IN EARLY LIFE                      L. Capotosto, G. D’Etorre, N. Cavallari, C. Ajassa, M. Ciardi, G. Placanica, V. Vullo, C. Gaudio, <b>A. Vitarelli</b>                      Sapienza University, Cardiology and Infectious Diseases Depts, Rome, Italy</p>	<b>205</b>
3	<p>UTILIZATION OF ECHOCARDIOGRAPHY IN PULMONARY EMBOLISM: A GROUND REALITY  <b>H. Lodhi</b>, M. Waqas, M. Khan, H. Shafiq, I. Achebe, A. Shafiq                      Baptist Memorial Medical Group, Southaven, MS, USA</p>	<b>206</b>
4	<p>THREE-DIMENSIONAL SPECKLE-TRACKING ECHOCARDIOGRAPHIC ASSESSMENT OF RIGHT VENTRICULAR FUNCTION IN OBSTRUCTIVE SLEEP APNEA - EFFECTS OF CPAP THERAPY                      L. Capotosto, E. Mangieri, M. Pergolini, M. Saponara, C. Gaudio, <b>A. Vitarelli</b>                      Sapienza University, Rome, Italy</p>	<b>207</b>
5	<p>ECHOCONTRAST INDUCED ANGIOEDEMA  <b>R. Samannan</b>, M.A. Arif, U. Bhatti, E. Munzinger, S. Mathew                      University of Oklahoma, Oklahoma City, OK, USA</p>	<b>208</b>
6	<p>VASODILATOR STRESS TESTING WITH NUCLEAR PERFUSION IMAGING: A POOR MODALITY FOR EVALUATION OF CORONARY ARTERY DISEASE IN PATIENTS WITH LEFT BUNDLE BRANCH BLOCK  <b>K. Gu</b>, A. Kaneria, N. Parikh, P. Sharedalal, S. Cho                      Drexel University College of Medicine, Philadelphia, PA, USA</p>	<b>209</b>
7	<p>AN UNEXPECTED ECHOCARDIOGRAPHIC FINDING: RIGHT CORONARY ARTERY TO RIGHT ATRIAL FISTULA  <b>J.R. Martinez-Parachini</b>, M. Khattab, D. Gilada, I. Javed, L. Size, P. Lozano                      University of Oklahoma HSC, Oklahoma City, OK, USA</p>	<b>210</b>
8	<p>A CASE OF SEVERE ASTHMA EXACERBATION COMPLICATED BY REVERSE TAKOTSUBO CARDIOMYOPATHY IN AN ADULT  <b>S.A. Haidry</b>, H.A. Cooper, W.S. Aronow                      Westchester Medical Center, Valhalla, NY, USA</p>	<b>211</b>
9	<p>LOEY DIETZ SYNDROME AS A RARE CAUSE OF CORONARY ANEURYSMS  <b>O. Aqtash</b>, Y. Jawaid, A. Amro, K. Mansoor, L. Dial                      Marshall University, Huntington, WV, USA                      Dartmouth Hitchcock Medical Center, Lebanon, NH, USA</p>	<b>212</b>

**P302 PRIMARY PREVENTION OF CARDIOVASCULAR DISEASE:  
ASSESSMENT AND MANAGEMENT OF RISK FACTORS, LIFESTYLE CHANGES**

Board No.		Abstract No.
10	HEALTHY LIFESTYLE FACTORS AND RISK OF ABDOMINAL AORTIC ANEURYSM IN THE PHYSICIANS' HEALTH STUDY R. Singh, <b>V. Bodar</b> , J. Chen, L. Wang, H.D. Sesso, J.M. Gaziano, L. Djoussé Brigham & Women's Hospital, Boston, MA, USA	213
11	TARGETED SCREENING OF THE ASSOCIATIONS BETWEEN CANDIDATE GENES AND ALCOHOL CONSUMPTION IN A HIGH CARDIOVASCULAR RISK POPULATION <b>O. Coltell</b> , E.M. Asensio, J.V. Sorlí, J.I. Gonzalez, J.B. Ramírez-Sabio, D. Corella Universitat Jaume I, Castellon, Spain	214
12	COMPARISON BETWEEN STRICT CONTROL OF RISK FACTORS AND STANDARD CONTROL IN PREVENTION OF ARTERIOSCLEROSIS <b>T.J. Matsubara</b> , E. Matsubara, J. Suzuki, T. Tomaru The University of Tokyo, Tokyo, Japan	215
13	IMPROVING THE CARDIOVASCULAR HEALTH OF PRESCHOOLERS IN A CHILDCARE SETTING <b>R. Natale</b> University of Miami School of Medicine, Miami, FL, USA	216
14	CAFFEINE INDUCED MYOCARDIAL INFARCTION A.C. Atanda, <b>E. Mbey</b> , F. Ogundipe, D. Ugwendum, S. Folaranmi, V. Mallipeddi, J. Henry, B. Curry Howard University Hospital, Washington, DC, USA	217
<b>P303 STABLE ISCHEMIC HEART DISEASE</b>		
15	PREDICTORS OF IN-HOSPITAL MORTALITY AMONG SYSTEMIC LUPUS ERYTHEMATOUS PATIENTS WITH ACUTE MYOCARDIAL INFARCTION RESULTS FROM A LARGE NATIONAL DATABASE <b>O. Ola</b> , O. Olorunfemi, A. Akinlonu, T.O. Mene-Afejuku, R. Ojo, O. Akinboro Mayo Clinic Health System, LaCrosse, WI, USA	218
16	COLON CANCER LATERALITY IS ASSOCIATED WITH ATHEROSCLEROSIS AND CORONARY ARTERY DISEASE S.C. Wang, J. Schulman-Marcus, J. Fantauzzi, T. Bevington, A. Sayegh, <b>R. Alreshq</b> , E. Lee, A. Ata, M. Sidhu, M. Kambam, R. Lyubarova Albany Medical Center, Albany, NY, USA	219
17	RISK FACTOR ANALYSIS FOR PATIENTS WITH SLOW CORONARY FLOW <b>M. Katsnelson</b> , M. Bhalja, J. Diez Baylor College of Medicine, Houston, TX, USA	220

## SATURDAY, JULY 28, 2018

08:00 – 13:00

Poster Hall

### P303 STABLE ISCHEMIC HEART DISEASE (continued)

Board No.		Abstract No.
18	<p>PREVALENCE OF CORONARY CALCIFICATION ON CT IN PATIENTS WITH ATRIAL FIBRILLATION <b>B.P. Schwartz</b> Albany Medical College, Albany, NY, USA</p>	221
19	<p>CLINICAL IMPLICATIONS OF microRNA SCORE IN DISCRIMINATING VASOSPASTIC ANGINA FROM ATHEROTHROMBOTIC ANGINA OR NON-CORONARY CHEST PAIN <b>H.-Y. Lee</b> Seoul National University Hospital, Seoul, Republic of Korea</p>	222
20	<p>ASIAN-INDIANS: A REVIEW OF CORONARY ARTERY DISEASE IN THIS UNDERSTUDIED COHORT IN THE UNITED STATES <b>A. Sharma</b>, D.R. Ardesbna, T. Bob-Manuel, A. Nanda, U. Ashraf, J. Kelly, R.N. Khouzam University of Tennessee Health Science Center, Memphis, TN, USA</p>	223
21	<p>INTERVENTIONAL DECISION MAKING WITH FRACTIONAL FLOW RESERVE FOR CULPRIT LESIONS ASSOCIATED WITH LEFT ANTERIOR DESCENDING ARTERY MYOCARDIAL BRIDGE <b>H. Patel</b>, S. Kumar, N.L. Ko Ko, J. John, P. Mathias University of Central Florida College of Medicine/HCA GME Consortium, Kissimmee, FL, USA</p>	224
22	<p>SHOULD SARCOIDOSIS BE CONSIDERED A RISK FACTOR FOR DEVELOPMENT OF PREMATURE CORONARY ARTERY DISEASE: A CASE OF 40-YEAR OLD FEMALE WITH CORONARY DISEASE AND SARCOIDOSIS M. Rodriguez Ziccardi, <b>S. Basharat</b>, O. Maludum Einstein Medical Center, Philadelphia, PA, USA</p>	225
23	<p>AN UNUSUAL CASE OF ACUTE MYOCARDIAL INFARCTION WITH NORMAL CORONARY ARTERIES <b>S. Khare</b>, E.S. Karreci, J. Aoun, L. Tsao St. Elizabeth Medical Center/Tufts University School of Medicine, Brighton, MA, USA</p>	226
<b>P304 HEART DISEASE IN WOMEN</b>		
24	<p>SPONTANEOUS CORONARY ARTERY DISSECTION, A FATAL DISEASE IN HIDING <b>A. Sarkar</b>, S. Sennhauser, J. Lee, A. Llanos, M.J. Wood University of Miami at Holy Cross Hospital, Fort Lauderdale, FL, USA</p>	227

**P305 HEART DISEASE IN THE ELDERLY**

Board No.		Abstract No.
25	<p>ABNORMAL COGNITIVE FUNCTION IN ELDERLY PATIENTS WITH HEART FAILURE</p> <p><b>C. Techorueangwiwat</b>, A. Ariyachaipanich Chulalongkorn University, Bangkok, Thailand</p>	228
26	<p>EXAMINING VARIATIONS IN STROKE RISK FACTORS AND HOSPITAL COST BY AGE AND GENDER IN CALIFORNIA</p> <p><b>B. Husaini</b> Tennessee state University, Nashville, TN, USA</p>	229
27	<p>PREVALENCE AND CONTROL OF HYPERTENSION IN THE ELDERLY: RESULTS FROM CHINA HYPERTENSION SURVEY, 2012-2015</p> <p><b>Z. Wang</b>, S. Li, X. Wang, Z. Chen, L. Zhang, Y. Dong, C. Wang, J. Wang, Y. Kang, R. Gao National Center of Cardiovascular Disease, FU WAI Hospital PUMC &amp; CAMS, Beijing, China</p>	230

**P306 MISCELLANEOUS**

28	<p>LOW RISK PULMONARY EMBOLISM PATIENTS CAN BE DISCHARGED FROM EMERGENCY DEPARTMENT: A META-ANALYSIS</p> <p><b>A.H. Malik</b> Westchester Medical Center, Harriman, NY, USA</p>	231
29	<p>GENERATING BIG DATA OF CARDIOVASCULAR RISK FACTORS THROUGH GEOTAGGED TWITTER MINING</p> <p><b>J. Lee</b>, J. Sung Jackson State University, Madison, MS, USA</p>	232
30	<p>ACUTE PANCREATITIS MIMICKING ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION IN A PATIENT WITH SYNCOPE</p> <p><b>A. Agrawal</b>, J. Penalver, N. Sayyida, M. Rodriguez Albert Einstein Medical Center, Philadelphia, PA, USA</p>	233
31	<p>TRANSIENT PULSUS ALTERNANS IN A MINIATURE PINSCHER WITH PULMONIC STENOSIS</p> <p><b>W.A. Ware</b>, S. Murphy, A. Cheney Iowa State University, Ames, IA, USA</p>	234

## SATURDAY, JULY 28, 2018

14:00 - 16:15

Hall A

PL11

### Plenary Session

#### CARDIOVASCULAR DISEASE: DIFFERENT STRATEGIES FOR PRIMARY AND SECONDARY PREVENTION

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

Abstract No.

- |       |   |     |
|-------|---|-----|
| 14:00 | FASTING IS NOT NECESSARY FOR LIPID TESTING:<br><i>NIHIL PER OS NON IAM</i> (Invited Lecture)<br><b>S. Mora</b><br>Brigham and Women's Hospital, Harvard Medical School, Boston, MA, USA   | 235 |
| 14:15 | ASPIRIN IN THE PRIMARY PREVENTION OF CARDIOVASCULAR DISEASE: NEED FOR INDIVIDUAL CLINICAL JUDGMENTS (Invited Lecture)<br><b>C.H. Hennekens</b> , S.K. Wood, D.D. DeMets, M.A. Pfeffer<br>Charles E. Schmidt College of Medicine, Florida Atlantic University, Boca Raton, FL, USA | 236 |
| 14:30 | OPTIMIZING STATIN UTILIZATION AND TREATMENT ADHERENCE AMONG PATIENTS WHO DISCONTINUE STATINS DUE TO ADVERSE MUSCLE EVENTS - A PERSONALIZED APPROACH (Invited Lecture)<br><b>R.S. Rosenson</b><br>Icahn School of Medicine at Mount Sinai, New York, NY, USA                       | 237 |
| 14:45 | LIFE SIMPLE SEVEN AND INCIDENCE OF CORONARY ARTERY DISEASE: THE MILLION VETERAN PROGRAM (Invited Lecture)<br><b>L. Djousse</b> , Harvard Medical School, Boston, MA, USA  | 238 |
| 15:00 | TESTOSTERONE AND CARDIOVASCULAR DISEASE (Invited Lecture)<br><b>J. Shirani</b> , St. Luke's University Health Network, Bethlehem, PA, USA   | 239 |
| 15:15 | UPDATE ON PREOP EVALUATION OF PATIENTS UNDERGOING NON-CARDIAC SURGERY (Invited Lecture)<br><b>M. Movahed</b> , CareMore and University of Arizona, Tucson, AZ, USA  | 240 |
| 15:30 | HEARTFUL LIVING: PROGRAM FOR IMPROVING HEALTH & LIFESTYLE THROUGH SELF-AWARENESS (Invited Lecture)<br><b>A. Chockalingam</b><br>University of Missouri, Columbia, MO, USA   | 241 |
| 15:45 | CARDIOVASCULAR DISEASE RISK AND MENOPAUSE: WHAT HAVE WE LEARNED FROM SWAN? (Invited Lecture)<br><b>S.R. El Khoudary</b><br>Graduate School of Public Health University of Pittsburgh, Pittsburgh, PA, USA   | 242 |
| 16:00 | SEX DIFFERENCES IN EXERCISE DURATION TIME AND RISK OF CARDIOVASCULAR DISEASE EVENTS IN HEALTHY ADULTS (Invited Lecture)<br>R. Herscovici, E. Maor, J. Mirocha, I. Goldenberg, S. Segev, <b>Y. Charuzi</b><br>Cedars- Sinai Smidt Heart Institute, Los Angeles, CA, USA            | 243 |
| 16:15 | COFFEE BREAK, VISIT EXHIBITION  |     |

**PL12 Plenary Session**  
**VASCULAR BIOLOGY OF ATHEROSCLEROSIS: ROLE IN DISEASE PATHOGENESIS AND AS A THERAPEUTIC TARGET**

Chair: **E.A.L Biessen**, Maastricht, The Netherlands  
**Z.S. Galis**, Bethesda, MD, USA

Abstract No.

- |       |  |     |
|-------|--|-----|
| 14:00 | MODULATION OF INFLAMMATORY VASCULITIS (IVS) AND ANTI-INFLAMMATORY TREATMENT BY THE GUT MICROBIOTA – A MOUSE HERPESVIRUS IVS MODEL (Invited Lecture)<br><b>A. Lucas</b> , J.R. Yaron, S. Ambadapadi, L. Zhang<br>Biodesign Institute, Arizona State University, Tempe, Arizona, USA | 244 |
| 14:15 | DOWNREGULATION OF ENDOTHELIAL BETA-2 SPECTRIN BY INCREASED PLAQUE STIFFNESS INDUCES A LEAKY VESSEL PHENOTYPE IN ATHEROSCLEROTIC PLAQUE MICROVASCULATURE (Invited Lecture)<br><b>E.A. Biessen</b> , Maastricht University, Maastricht, Netherlands                                  | 245 |
| 14:30 | WHAT IF WE HAD A GOOGLE MAP OF THE HUMAN VASCULATURE (Invited Lecture)<br><b>Z.S. Galis</b> , National Institutes of Health, Bethesda, MD, USA   | 246 |
| 14:45 | CARDIOVASCULAR AGING AND BIOLOGICAL PATHS TO RESILIENCE (Invited Lecture)<br><b>S. Cheng</b> , Brigham and Women's Hospital, Boston, MA, USA   | 247 |
| 15:00 | DISTINCT ROLES OF CALCIUM & CYCLIC AMP IN ANGIOTENSIN II-INDUCED EXPRESSION OF EARLY GROWTH RESPONSE FACTOR-1 (EGR-1) IN VASCULAR SMOOTH MUSCLE CELLS (Invited Lecture)<br><b>A.K. Srivastava</b> , CRCHUM, University of Montreal, Montreal, QC, Canada                           | 248 |
| 15:15 | TURNING TRASH TO TREASURE: TARGETING NON-CODING RNAs TO CONTROL ATHEROSCLEROSIS (Invited Lecture)<br><b>M.W. Feinberg</b><br>Brigham and Women's Hospital/Harvard Medical School, Boston, MA, USA  | 249 |
| 15:30 | THE HYDROGEL-ENCAPSULATED T0901317 REDUCES ATHEROSCLEROSIS WITHOUT EFFECT ON LIPOGENESIS IN APOE DEFICIENT MICE (Invited Lecture)<br>C. Ma, K. Feng, X. Yang, Y. Chen, Q. Li, Z. Yang, Y. Duan, <b>J. Han</b><br>Nankai University, Tianjin, China                                 | 250 |
| 15:45 | LYSOSOMAL CYSTEINE PROTEASES AND DISTURBANCES OF THEIR REGULATION IN ATHEROSCLEROSIS (Invited Lecture)<br><b>T.A. Korolenko</b> , T.P. Johnston, A.B. Shintyapina<br>Institute of Physiology and Basic Medicine, Novosibirsk, Russia   | 251 |
| 16:00 | COFFEE BREAK, VISIT EXHIBITION   |     |

## SATURDAY, JULY 28, 2018

14:00 – 17:00

Hall C

### S26 CARDIAC ARRHYTHMIAS AND SUDDEN DEATH: FROM BASIC MECHANISMS TO STATE-OF-THE-ART MANAGEMENT

Chairs: **R.W. Biederman**, Pittsburgh, PA, USA  
**H. Paydak**, Little Rock, AR, USA

		Abstract No.
14:00	PACEMAKER/ICD IN THE MRI ENVIRONMENT; BEYOND THE MAGNASAFE TRIAL (Invited Lecture ) <b>R.W. Biederman</b> , L. Gevenosky, H. Samar, R.B. Williams, R. Lombardi, M. Shah, C. Bonnet, M. Doyle Allegheny General Hospital, Pittsburgh, PA, USA	252
14:15	THERAPEUTIC HYPOTHERMIA IN CARDIAC ARREST SURVIVORS WITH PRE-EXISTING CONGESTIVE HEART FAILURE IS NEPHROPROTECTIVE <b>A. Dutta</b> , K. Hari, H.R. Jogu, U. Nasir, A. Pal, W. Qureshi Wake Forest Baptist Health, Winston Salem, NC, USA	253
14:30	INFLUENCE OF ANTICOAGULATION ON STROKE AND MORTALITY RATES IN A SUBSET OF PATIENTS WITH ATRIAL FIBRILLATION: REAL WORLD OUTCOMES FROM REVIEW OF A LARGE ELECTRONIC DATABASE <b>E.A. Bucklew</b> , R. Bazaz, S. Koscumb, O. Marroquin, S. Saba, S. Jain, E. Adelstein University of Pittsburgh Medical Center, Pittsburgh, PA, USA	254
14:45	ANALYSIS OF REMOTE MAGNETIC CATHETER NAVIGATION SYSTEMS USE FOR ABLATION PROCEDURES OVER TIME E. Aziz, <b>O. Reynbakh</b> , I. Khan, S. Sadiq, N. Souvaliotis, J. Aziz, A. Malinay, P. Boktor, D. Mehta Mount Sinai St Luke's and Mount Sinai West Hospitals, New York, NY, USA	255
15:00	TEMPERATURE INTOLERANCE AS A COMMON SYMPTOM IN POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME <b>H. Ahmad</b> , W. Almardini, M.A. Nasri, S.B. Alam, H. Mistry, N. Joy, K. Munez, S. Alam, A. Suleman Cardiology, The Heartbeat Clinic, McKinney, TX, USA	256
15:15	PREVALENCE OF PAROXYSMAL SUPRAVENTRICULAR TACHYCARDIA (PSVT) IN THE UNITED STATES IN PATIENTS UNDER 65 YEARS OF AGE <b>N.C. Sacks</b> , P.L. Cyr, S. Bariahtar, A. Sharma, S.G. Green, P. Douville, J.N. Ruskin Precision Xtract, Boston, MA, USA	257
15:30	BOTH BYSTANDER'S OWN AND DISPATCHER-ASSISTED RESUSCITATION EFFORTS ARE DEPRESSED DURING NIGHTTIME IN OUT-OF-HOSPITAL CARDIAC ARRESTS WITNESSED BY NON-FAMILY BYSTANDERS <b>H. Inaba</b> , A. Yamashita, Y. Wato, T. Maeda Kanazawa University Graduate School of Medicine, Kanazawa, Japan	258

**S26 CARDIAC ARRHYTHMIAS AND SUDDEN DEATH: FROM BASIC MECHANISMS TO STATE-OF-THE-ART MANAGEMENT (continued)**

		Abstract No.
15:45	<p>OUTCOMES OF CATHETER ABLATION OF ATRIAL FIBRILLATION IN PATIENTS WITH DIABETES MELLITUS  M. Bengaluru Jayanna, A.M. Mohsen, G. Palamaner Subash Shantha,  <b>C.J. Dezorzi</b>, M.C. Giudici  University of Iowa Hospitals and Clinics, Iowa City, IA, USA</p>	259
16:00	<p>THE ASSOCIATION BETWEEN PLASMA BIG ENDOTHELIN-1 LEVELS AT ADMISSION AND LONG-TERM OUTCOMES IN PATIENTS WITH ATRIAL FIBRILLATION  <b>S. Wu</b>, Y.M. Yang  National Center for Cardiovascular Diseases, Fuwai Hospital, Beijing, China</p>	260
16:15	<p>A BENEFIT OF IMPELLA DEVICE IN ABLATION OF SCAR RELATED VENTRICULAR TACHYCARDIA  <b>N.L. Ko Ko</b>, U. Batnyam, U.R. Siddiqui  University of Central Florida, Orlando, FL, USA</p>	261
16:30	<p>NON-SUSTAINED AND INDUCIBLE SUSTAINED VENTRICULAR TACHYCARDIA IN PACEMAKER PATIENTS  <b>Y. Hanna</b>, M. Arulthasan, W.-C. Sheu, D.A. Bloomfield  Richmond University Medical Center, Staten Island, NY, USA</p>	262
16:45	<p>PURKINJE-FIBER MEDIATED VENTRICULAR ECTOPY INDUCED VF STORM FOLLOWING ANTERIOR WALL MYOCARDIAL INFARCTION  <b>E. Pagan</b>, A. Alam, A. Aboyme, G. Siroky, W. Kostis, J. Coromilas, J. Kassotis, A. Saluja  Rutgers - Robert Wood Johnson University Hospital, New Brunswick, NJ, USA</p>	263
17:00	COFFEE BREAK, VISIT EXHIBITION	



## SATURDAY, JULY 28, 2018

16:45 – 19:30

Hall A

S27

### Session

### CARDIOVASCULAR DISEASE PREVENTION AND RISK MANAGEMENT

Chairs: **L. Djousse**, Boston, MA, USA  
**S. Mora**, Boston, MA, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 16:45 | ASSOCIATION BETWEEN 2017 HIGH BLOOD PRESSURE CLINICAL PRACTICE GUIDELINE NEWLY-DEFINED HYPERTENSION AND CHANGE IN BLOOD PRESSURE ON CARDIOVASCULAR DISEASE AMONG YOUNG ADULTS<br>J. Son, <b>S. Choi</b> , K. Kim, S. Kim, G. Lee, S.-M. Jeong, S. Park, Y.-Y. Kim, J.-M. Yun, S. Park<br>Seoul National University, Seoul, Republic of Korea  | 264 |
| 17:00 | PREFERABLE EFFECTS OF AMLODIPINE/DIURETICS TO AMLODIPINE/TELMISARTAN ON VISIT-TO-VISIT VARIABILITY OF BLOOD PRESSURE IN HIGH-RISK HYPERTENSIVE PATIENTS<br><b>P.P. Lu</b> , P. Fan, L.Y. Ma, A.H. Hu, W. Wang, L.S. Liu, L.H. Ma, X.L. Zhou<br>Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy of Medical Science and Peking Union Medical College, Beijing, China | 265 |
| 17:15 | MOODINESS AND DEPRESSIVE SYMPTOMS IN ADOLESCENCE PREDICTS OBESITY AND HYPERTENSION IN ADULTHOOD<br><b>K. Anand</b> , S. Srinivas, S. Rajendran, A. Chockalingam<br>University of Missouri, Columbia, MO, USA  | 266 |
| 17:30 | PREDICTORS OF HIGH ON-ASPIRIN PLATELET REACTIVITY IN CHINESE ELDERLY PATIENTS<br><b>W. Ou</b> , X. Chen, M. Liu, B. Huang, X. Feng, W. Liu, M. Liu<br>Peking University First Hospital, Beijing, China  | 267 |
| 17:45 | PREVENT AND INTERCEPT AMI (ACUTE MYOCARDIAL INFRACTION) RISK WITH ANARTIFICIAL INTELLIGENT SYSTEM<br><b>L. Ma</b> , L. Tao, C.W. Ma, Y. Ge, M. Han, G. Li, L. Ma, Z. Wu, P. Yu, Y. Yang<br>Beijing Yiwan Technologies, Beijing, China   | 268 |
| 18:00 | ASSOCIATION BETWEEN AIR POLLUTION AND CARDIOVASCULAR DISEASES DURING DUST STORMS IN TAIWAN<br><b>H.-R. Guo</b> , S.-W. Yang<br>National Cheng Kung University, Tainan, Taiwan   | 269 |
| 18:15 | CARDIOVASCULAR SAFETY AND POTENTIAL BENEFIT OF 5-ALPHA REDUCTASE INHIBITOR USE AMONG MALES AND BPH PATIENTS, A KOREAN NATIONAL COHORT<br><b>J. Chang</b> , S. Park<br>Seoul National University Graduate School, Seoul, Republic of Korea   | 270 |

S27

**Session****CARDIOVASCULAR DISEASE PREVENTION AND RISK MANAGEMENT (continued)**

Abstract No.

- |       |   |     |
|-------|---|-----|
| 18:30 | <p>CARDIOVASCULAR DISEASE IN HIV INFECTED PATIENTS –<br/>A RETROSPECTIVE REVIEW AT A SINGLE CENTER IN MIAMI<br/><b>G. Zablah</b>, F. Pyarali, R. Jordanov, T. Haque, R. Parmar, C. Martinez<br/>University of Miami/Jackson Memorial Hospital, Miami, FL, USA</p>                                 | 271 |
| 18:45 | <p>THE ROLE OF THE CARDIOLOGIST IN THE PREOPERATIVE<br/>EVALUATION OF THE BARIATRIC SURGERY PATIENT<br/><b>L.A. Bucklew</b>, E.A. Bucklew<br/>University of Pittsburgh Medical Center, Pittsburgh, PA, USA</p>  | 272 |
| 19:00 | <p>ASSOCIATION BETWEEN SMOKELESS-TOBACCO USE AND<br/>CARDIOVASCULAR DISEASE: AN ANALYSIS OF THE 2015 BRFSS DATA<br/><b>P. Ndunda</b>, D. Rakestraw<br/>University of Kansas School of Medicine - Wichita, Wichita, KS, USA</p>  | 273 |
| 19:15 | <p>IDEAL CARDIOVASCULAR HEALTH STATUS AND RISK OF<br/>CARDIOVASCULAR DISEASE OR ALL-CAUSE MORTALITY IN A CHINESE<br/>MIDDLE AGED POPULATION<br/><b>Y. Dong</b>, G. Hao, Z. Wang, X. Wang, Z. Chen, L. Zhang PO1<br/>NCCD, Fuwai Hospital, Pecking Union Medical College, CAMS, Beijing, China</p> | 274 |

## SATURDAY, JULY 28, 2018

16:45 – 19:15

Hall B

S28

### Session

#### HEART FAILURE: NOVEL RISK FACTORS, PREDICTORS, NEW TREATMENT OPTIONS AND OUTCOMES

Chairs: **M. Dandel**, Berlin, Germany  
**J. Veselka**, Czech Republic

Abstract No.

- |       |   |     |
|-------|---|-----|
| 16:45 | BETA3-ADRENERGIC RECEPTOR BLOCKADE BY APD418 ENHANCES CARDIAC POSITIVE INOTROPIC AND LOSITROPIC RESPONSES TO DOBUTAMINE IN HEART FAILURE ASSESSMENT BY PRESSURE-VOLUME ANALYSIS<br>X. Zhang, Z. Zhang, T. Li, H.-J. Cheng, D. Deal, J. Jordan, J. Adams, <b>C. Cheng</b><br>Wake Forest School of Medicine, Winston-Salem, NC, USA  | 275 |
| 17:00 | NOVEL HEART FAILURE PROTOCOL DRAMATICALLY REDUCES HOSPITAL READMISSIONS FROM SKILLED NURSING FACILITIES<br><b>N.J. Trivedi</b> , K. Duffy, J. Bander, A. Ali, R. Bhandari<br>Mount Sinai Hospital System, New York, NY, USA   | 276 |
| 17:15 | ELEVATED SERA SST2 PREDICTS HEART FAILURE IN MEN UNDER THE AGE OF 50 WITH CLINICAL SUSPECTED MYOCARDITIS<br><b>K.A. Bruno</b> , M. Coronado, L. Blauwet, E. Douglass, E. Abston, J. Frisancho, M. Greenaway, A. Hill, L. Cooper, Jr., D. Fairweather<br>Mayo Clinic, Jacksonville, FL, USA  | 277 |
| 17:30 | A STUDY TO IDENTIFY THE PREDICTORS OF RE-ADMISSIONS IN PATIENTS WITH CONGESTIVE HEART FAILURE IN MINORITY POPULATION IN AN INNER-CITY HOSPITAL<br>S. Hanif, <b>P. Kakarla</b> , N. Bhalodkar, A. Zhang, G. Kamalakannan<br>Bronx Lebanon Hospital Center, Bronx, NY, USA  | 278 |
| 17:45 | ASSOCIATION BETWEEN CHRONIC KIDNEY DISEASE AND READMISSION RATE IN PATIENTS HOSPITALIZED WITH HEART FAILURE<br><b>R. Alreshq</b> , H. Patel, S. Purga, S. Fein, E. Philbin, M. Torosoff, R. Lyubarova<br>Albany Medical College, Albany, NY, USA  | 279 |
| 18:00 | PREVALENCE OF COGNITIVE IMPAIRMENT AND EFFECT ON REHOSPITALIZATION IN PATIENT WITH ACUTE HEART FAILURE<br><b>J. Kewcharoen</b> , C. Techorueangwiwat, W. Laosanguanek, T. Tiensuntisook, A. Ariyachaipanich<br>Chulalongkorn University, Bangkok, Thailand  | 281 |
| 18:15 | ASSESSING THE COMPONENTS OF THE NEWLY REPORTED ASA SCORE<br><b>A. Mukherjee</b> , A. Alam, C. Maulion, E. Pagan, J. Xu, D. James, J. Cheng, D. Iyer, K. Mody, J. Almendral<br>Rutgers - Robert Wood Johnson University Hospital, Rahway, NJ, USA<br>T.S. Davies, H. Gallagher, F. Jaafar, J.W. Moss, T.R. Hughes, <b>D.P. Ramji</b><br>School of Biosciences, Cardiff University, Cardiff, UK | 282 |

## S28 Oral Session

## HEART FAILURE: NOVEL RISK FACTORS, PREDICTORS, NEW TREATMENT OPTIONS AND OUTCOME (continued)

Abstract No.

- 18:30 VALIDATION OF THE ARABIC VERSION OF THE MINNESOTA LIVING WITH HEART FAILURE QUESTIONNAIRE 283  
**S. Noureddine**, M. Zahwe, H. Isma'eel, H. Tamim, A. Al Hajje, S. Rachidi, H. Skouri  
 American University of Beirut, Beirut, Lebanon
- 18:45 CONTEMPORARY RETROSPECTIVE REVIEW OF HEART FAILURE READMISSIONS AT AN ACADEMIC MEDICAL CENTER 284  
 M. Almnajam, M. Ghanim, **G. Yesodharan**, M. Afari, L. Tsao  
 St Elizabeth's Medical Center, Boston, MA, USA  
 Ain Shams University, Cairo, Egypt
- 19:00 PREDICTORS OF HYPERBILIRUBINEMIA AMONG PATIENTS WITH NON-ISCHEMIC HEART FAILURE AND PROGNOSTIC IMPLICATIONS 285  
 T.O. Mene-Afejuku, A. Akinlonu, P.D. Lopez, **C. Dumancas**, E.A. Symonds, A. Alisasis, O. Alsalman, G. Pekler, S. Mushiyev, F. Visco  
 New York Medical College, Metropolitan, New York, NY, USA  
 Cardiff Metropolitan University, Cardiff, UK

## SATURDAY, JULY 28, 2018

17:00 – 18:30

Hall C

S29

### Session

### DIAGNOSIS AND MANAGEMENT OF AORTA AND PERIPHERAL VASCULAR DISEASES

Chairs: **J.G. Regensteiner**, Aurora, CO, USA

**T. Tomaru**, Tokyo, Japan

		Abstract No.
17:00	DO EMERGENCY MEDICAL SERVICE SYSTEMS PROPERLY ASSESS THE RISK OF ACUTE AORTIC SYNDROME AND TRANSPORT THE PATIENTS TO THE RIGHT HOSPITALS? IMPACT OF EMS ASSESSMENT AND TRANSPORTATION IN OUTCOMES <b>H. Inaba</b> , A. Yamashita, Y. Yoshita, Y. Wato Kanazawa University Graduate School of Medicine, Kanazawa, Japan	286
17:15	THE PREVALENCE OF PERIPHERAL ARTERIAL DISEASE: RESULTS FROM THE CHINA HYPERTENSION SURVEY, 2012-2015 <b>Z. Wang</b> , X. Wang, L. Zhang, Z. Chen, Y. Dong, C. Zheng, J. Wang National Center of Cardiovascular Disease, FU WAI Hospital PUMC & CAMS, Beijing, China	287
17:30	PROFILES OF PERIPHERAL ARTERIAL DISEASE INTERVENTIONS IN A NETWORK OF FREESTANDING OUTPATIENT CLINICS <b>D. Cross</b> , K. Bemis, N. Marwah, J. Larkin, L. Usvyat, R. Lombardo, A. Odhav, T. Das, B. Le, F. Maddux National Cardiovascular Partners, Houston, TX, USA	288
17:45	NOVEL MURINE DEEP VENOUS THROMBOSIS (DVT) MODEL ENABLES REAL-TIME IN VIVO IMAGING OF CLINICALLY RELEVANT DVT <b>M. Okano</b> , T. Hara, Y. Irino, S. Kobayashi, M. Shinohara, R. Toh, T. Ishida, K.-I. Hirata Kobe University Graduate School of Medicine, Kobe, Japan	289
18:00	METABOLIC BIOMARKERS OF CAROTID ATHEROSCLEROSIS IN CHINESE MIDDLE-AGED AND ELDERLY MEN <b>W. Liu</b> , M. Liu, Y. Yang, Y. Liu Peking University First Hospital, Beijing, China	290
18:15	HIGH PREVALENCE OF INTERNAL ELASTIC LAMINA CALCIFICATION IN AN ELDERLY POPULATION: A CADAVERIC STUDY <b>J.D. Davidov</b> , D. Moussouros, H.J. Begmatov, S. Cheema, A. Sherwani, Z. Ghani, K. Damiris, B.L. Beatty, M.M. Plummer, O.V. Savinova NYIT College of Osteopathic Medicine, Old Westbury, NY, USA Mayo Clinic, Rochester, MN, USA	291

**P401 ATRIAL FIBRILLATION: CAUSES, SYMPTOMS AND TREATMENT**

Board No.		Abstract No.
1	<p>THE LEFT ATRIAL APPENDAGE FRACTAL DIMENSION IN ATRIAL FIBRILLATION</p> <p><b>R.A. Kabadi</b>, V. Singh, M. Keroles, V. Rajendran, D. Frisch, B. Pavri, B. Sundaram, S. Guo, J. Jacobson, T. Nag Thomas Jefferson University Hospital, Philadelphia, PA, USA</p>	292
2	<p>AGREEMENT BETWEEN A MEDTRONIC PACEMAKER AND LINQ IN REPORTING PAROXYSMAL ATRIAL FIBRILLATION</p> <p><b>J. Kneller</b> Astria Heart Institute, Yakima, WA, USA</p>	293
3	<p>PULMONARY VEIN STENOSIS AFTER RADIOFREQUENCY ABLATION FOR ATRIAL FIBRILLATION</p> <p>G. Li, J. Sun, <b>D. Han</b>, J. Wu, C. Sun, L. Xu The First Affiliated Hospital of Xi'an Jiaotong University, Xi'an, China</p>	294
4	<p>THE BLEB THAT BLED, A HITHERTO UNREPORTED CASE OF HEMOTHORAX OCCURRING AS A COMPLICATION OF ELECTRODE CATHETER ABLATION TO TREAT ATRIAL FIBRILLATION</p> <p><b>H.E. Matos Santana</b>, S. Winters, D. Markley, C. Fabrizio Morristown Medical Center, Morristown, NJ, USA</p>	295

**P402 SUDDEN DEATH, ARRHYTHMIAS AND DEVICE THERAPY**

5	<p>PREDICTION OF "SUPER-RESPONSE" TO CARDIAC RESYNCHRONIZATION THERAPY BY SURFACE ECG FINDINGS IN PATIENTS WITH LEFT BUNDLE BRANCH BLOCK - A PILOT STUDY</p> <p><b>N. Kocovic</b>, J. Newland, A. Carleen, M. DeCaro, B. Pavri Sidney Kimmel Medical College, Philadelphia, PA, USA</p>	296
6	<p>A REVIEW OF SUDDEN UNEXPLAINED NOCTURNAL DEATH SYNDROME (SUNDS) AND THE ROLE OF EXTERNAL STRESS IN SOUTHEAST ASIAN POPULATIONS</p> <p><b>K. Lo</b> UCLA, Los Angeles, CA, USA</p>	297
7	<p>PHYSICIAN PERCEPTION SURVEY REGARDING ABBOTT (FORMERLY ST. JUDE) CYBERSECURITY VULNERABILITIES AND FIRMWARE UPGRADE FOR PACEMAKERS</p> <p><b>T. Dar</b>, B. Yarlagadda, L.D. Berenbom, M. Emert, D. Atkins, M. Reddy, R. Dendi, R.C. Pimentel, D. Lakkireddy, S.H. Sheldon University of Kansas Medical Center, Kansas City, KS, USA</p>	298

**P402 SUDDEN DEATH, ARRHYTHMIAS AND DEVICE THERAPY (continued)**

Board No. Abstract No.

8 299  
 RUNNING TO A STANDSTILL: CARDIAC ARREST IN A HEALTHY MARATHON RUNNER WITH A MYOCARDIAL BRIDGE  
**A. Cubberley**, C. Ngongang, S. Banka  
 Drexel University College of Medicine/Hahnemann University Hospital, Philadelphia, PA, USA

9 300  
 A HIDDEN CASE OF HYPERTROPHIC OBSTRUCTIVE CARDIOMYOPATHY RELATED SUDDEN CARDIAC ARREST UNDER THE GUISE OF ACUTE ST ELEVATION MYOCARDIAL INFARCTION IN AN ELDERLY MALE  
**M. Anderson**, M. Rodriguez Ziccardi  
 Albert Einstein Medical Center, Philadelphia, PA, USA

10 301  
 WEARABLE CARDIOVERTER DEFIBRILLATOR “THE LIFEVEST”: DEVICE DESIGN, LIMITATIONS, AND AREAS OF IMPROVEMENT  
**V. Chinta**, M. Agarwal, N. Khouzam, A. Nanda, U. Ashraf, J. Kelly, I. Pour-Ghaz, A. Sharma, R. Khouzam  
 Arkansas Methodist Medical Center, Jonesboro, AR, USA

11 302  
 A RARE CASE OF PACEMAKER-DEFIBRILLATOR DEVICE INFECTION CAUSED BY *ACHROMOBACTER XYLOSOXIDANS*  
**S.A. Raza**, R. Collazo-Maldonado, L. Hunter  
 Methodist Health System- Dallas, Dallas, TX, USA

12 303  
 TWIDDLER’S SYNDROME IN A PATIENT WITH TARDIVE DYSKINESIA  
**S. Shrestha**, A.C. Shah, M. Polomsky, S.L. Winters  
 Morristown Medical Center, New Jersey, NJ, USA

**P403 ARRHYTHMIAS AND ELECTROPHYSIOLOGY**

13 304  
 CLINICAL CHARACTERISTICS AND OUTCOMES IN PATIENTS UNDERGOING TRANSCATHETER AORTIC VALVE REPLACEMENT WITHOUT LVH BY VOLTAGE CRITERIA  
 R. Zhang, **K. Keller**, S. Jou, A. Nappi, M. El-Hajjar, A. Delago, M. Torosoff  
 Albany Medical Center, Albany, NY, USA

14 305  
 ELECTROCARDIOGRAPHIC ABNORMALITIES IN SICKLE CELL PATIENTS IN A MAJOR METROPOLITAN CENTER  
 S.M. Chiadika, A.J. Serauto-Canache, M. Kwak, W. Yang, **K.C. Pabba**, M. Idowu  
 University of Texas Health Science Center at Houston, Houston, TX, USA

15 306  
 PREVALENCE AND CLINICAL IMPLICATIONS OF LEFT VENTRICULAR HYPERTROPHY BY VOLTAGE CRITERIA IN TAVR RECIPIENTS  
 R. Zhang, **K. Keller**, S. Jou, A. Delago, M. El-Hajjar, A. Nappi, M. Torosoff  
 Albany Medical Center, Albany, NY, USA

## P403 ARRHYTHMIAS AND ELECTROPHYSIOLOGY (continued)

Board No.		Abstract No.
16	<p>ELECTROCARDIOGRAPHIC PREDICTORS OF ARRHYTHMIA AFTER TRANSJUGULAR INTRAHEPATIC PORTOSYSTEMIC SHUNT</p> <p><b>J.L. Penalver</b>, A. Agrawal, P. Ram, M. Rodriguez Ziccardi, D. Brito, F. Aguilar, M. Pitteloud, A. Mora, V. Figueredo Einstein Medical Center, Philadelphia, PA, USA</p>	307
17	<p>INTRAVENOUS SALINE PROVIDES SYMPTOMATIC RELIEF FOR PATIENTS WITH POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS)</p> <p><b>W. Almardini</b>, M.A. Nasri, H. Mistry, S.B. Alam, N. Joy, K. Munez, S. Alam, A. Suleman The Heartbeat Clinic, McKinney, TX, USA</p>	308
18	<p>HYPOTHYROIDISM IN POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS) PATIENTS</p> <p><b>W. Chaudhary</b>, M.A. Nasri, W. Almardini, N. Chaudhary, S. Alam, S.B. Alam, H. Mistry, K. Munez, N. Joy, A. Suleman The Heartbeat Clinic, McKinney, TX, USA</p>	309
19	<p>FEVER-INDUCED BRUGADA PATTERN IN A HISPANIC PATIENT</p> <p><b>J.M. Stempel</b>, A. Tiu, N. Candelario, A. Mora, D. Brito Ibert Einstein Medical Center, Philadelphia, PA, USA</p>	310
20	<p>SLOW VENTRICULAR TACHYCARDIA</p> <p><b>M.A. Arif</b>, R. Samannan, U. Bhatti, C.H. May University of Oklahoma, Oklahoma City, OK, USA</p>	311
21	<p>CALMING THE STORM - A CHALLENGING PRESENTATION OF A PATIENT WITH ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY AND RECURRENT VENTRICULAR TACHYCARDIA</p> <p><b>N.K.O. Onuorah</b>, A. Ekiz, J. Pollock Wright State University, Dayton, OH, USA</p>	312
22	<p>FASCICULAR VENTRICULAR TACHYCARDIA IN A 28-YEAR-OLD MALE WITH FUNGAL INFECTION</p> <p><b>J.L. Penalver</b>, M. Zabad, E. Franco, F. Aguilar, S. Basharat, A. Mora, S. Mainigi, B. Cepeda Einstein Medical Center, Philadelphia, PA, USA</p>	313
23	<p>BRUGADA PHENOCOPY, NOT A COPY OF BRUGADA SYNDROME</p> <p><b>M. Patel</b>, A. Patel, A. Goud, A. Mukherjee, I. Alesh, R. Pai, P. Sethi University of California, Riverside, Riverside, CA, USA.</p>	314



## SATURDAY, JULY 28, 2018

13:30 – 18:30

Poster Hall

### P403 ARRHYTHMIAS AND ELECTROPHYSIOLOGY (continued)

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24 REFRACTORY ELECTRICAL STORM IN CHAGAS CARDIOMYOPATHY: IS HEART TRANSPLANT THE LAST OPTION? **315**  
I.C. Pinheiro, J.R.F. Rocha, **M.C. Caires**, P.B. Villela, L.R. Siqueira, A.T. Alencar, P.A. Sampaio, A.S. Sousa, R.M. Ferreira  
Edson Saad Heart Institute, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil

25 LEV'S DISEASE IN A YOUNG ADULT WITH BICUSPID AORTIC VALVE **316**  
**S. Vallabhaneni**, R. Aurshiya, S.J. Meera, S. Pakniyat, D. Traub, J. Shirani  
St.Luke's University Health network, Bethlehem, PA, USA

### P404 PERCUTANEOUS CORONARY INTERVENTION

26 LONG TERM COMPARISON OF PLATINUM CHROMIUM-BASED EVEROLIMUS-ELUTING STENT VERSUS COBALT CHROMIUM-BASED ZOTAROLIMUS-ELUTING STENT: 3-YEAR OUTCOMES FROM THE HOST-ASSURE RANDOMIZED CLINICAL TRIAL **317**  
**K. Park**, C. Kim, J. Kang, H.-S. Kim  
Seoul National University Hospital, Seoul, Republic of Korea

27 RADIAL VS FEMORAL ACCESS IN PATIENTS WITH HISTORY OF CORONARY ARTERY BYPASS GRAFTING (CABG) WHO ARE UNDERGOING DIAGNOSTIC CORONARY ANGIOGRAPHY VS PERCUTANEOUS CORONARY INTERVENTION (PCI): META-ANALYSIS **318**  
**A. Amro**, M. Kanbour, H. Hirzallah, O. Aqtash, A. El-Hamdani, Y. Numan, Y. Abdelazeez, K. Mansour, M. El-Hamdani  
Marshall University Joan C. Edwards School of Medicine, Huntington, WV, USA

28 SIMPLIFIED TECHNIQUE FOR CORONARY ANGIOGRAPHY IN PATIENTS WITH DEXTROCARDIA WITH SITUS INVERSUS **319**  
**J. Crisafi**, A. Agarwal  
Kettering Medical Center/Dayton VA Medical Center, Dayton, OH, USA

29 SAME DAY DISCHARGE PCI: HIGH CLINICAL RISK PATIENTS **320**  
**J. Telayna, Jr.**, E. Martino, R. Costantini, J. Telayna, Sr.  
Hospital Universitario Austral, Pilar - Buenos Aires, Argentina

30 SAME DAY DISCHARGE PCI: HIGH ANGIOGRAPHIC RISK **321**  
**J. Telayna, Jr.**, R. Costantini, Sr., E. Martino, Sr., J. Telayna, Sr.  
Hospital Universitario Austral, Pilar - Buenos Aires, Argentina

31 IMPELLA VERSUS INTRA-AORTIC BALLOON PUMP IN CARDIOGENIC SHOCK POST PERCUTANEOUS CORONARY INTERVENTION **322**  
**N. Shah**  
Internal Medicine, St Mary Mercy Hospital, Livonia, MI, USA

**P404 PERCUTANEOUS CORONARY INTERVENTION (continued)**

Board No.		Abstract No.
32	ROTATIONAL ATHERECTOMY OF A COMPLEX CALCIFIC VENOUS BYPASS GRAFT <b>I. Baig</b> , S. Ahmed, C. Patel, S. Green Geisinger Medical Center, Danville, PA, USA	323
33	POSSIBLE ACUTE MYOCARDIAL INFARCTION AND HYPOTENSION: THE UTILITY OF ECHOGRAM <b>A. Sayed</b> , W. Aronow, R. Timmermans Westchester medical center, Valhalla, NY, USA	324
<b>P405 ANTITHROMBOTIC AND ANTIPLATELET THERAPY</b>		
34	PRASUGREL STILL NEEDS MORE ATTENTION!!!!!!!!!!!! <b>A. Amro</b> , O. Aqtash, H. Hirzallah, Y. Numan, R. Sayyed Marshall University Joan C. Edwards School of Medicine., Huntington, WV, USA	325
35	USE OF NEW THIENOPYRIDINES IN PATIENTS WITH CORONARY ARTERY DISEASE TREATED WITH PERCUTANEOUS CORONARY INTERVENTIONS IN ARGENTINA. RESULTS FROM A "REAL WORLD" MULTICENTER REGISTRY A.M. Rodriguez-Granillo, C. Haiek, M. Larribau, C. Fernandez-Pereira, J. Mieres, R. Sarmiento, A. Pocoví, W. Pan, Z. Ming, <b>A.E. Rodriguez</b> Centro de Estudios en Cardiología Intervencionista (CECI), Buenos Aires, Argentina	326
36	RECURRENT PULMONARY EMBOLISM DESPITE BEING ON RIVAROXABAN <b>M. Ghanim</b> , S. Hegde, A. Vaziri Saint Elizabeth Medical Center, Brighton, MA, USA	327
37	HOW SAFE ARE NEWER ANTICOAGULANTS AND THEIR REVERSAL ANTIDOTES: A CASE REPORT ON RISK-BENEFIT DILEMMA <b>N. Shah</b> St Mary Mercy Hospital, Livonia, MI, USA	328



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ANNUAL SCIENTIFIC SESSIONS 2018  
23rd WORLD CONGRESS ON  
**HEART DISEASE**

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BOSTON, MA, USA, JULY 27 – 29, 2018

SCIENTIFIC  
PROGRAM

Sunday, July 29, 2018

SCIENTIFIC PROGRAM





## SUNDAY, JULY 29, 2018

08:30 – 11:00

Hall A

PL13

### Plenary Session

#### CORONARY ARTERY DISEASE: FROM BASIC MECHANISMS TO NOVEL OPPORTUNITIES FOR DIAGNOSIS AND TREATMENT

Chairs: **J.A. Filep**, Montreal, QC, Canada  
**U. Thadani**, Oklahoma City, OK, USA

Abstract No.

08:30	THE ASSOCIATION OF CONCOMITANT SERUM POTASSIUM AND GLUCOSE LEVELS AND IN-HOSPITAL MORTALITY IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION (Invited Lecture) <b>Y. Plakht</b> , A. Shiyovich, H. Gilutz Ben-Gurion University of the Negev, Beer-Sheva, Israel	329
08:45	SPONTANEOUS CORONARY ARTERY DISSECTION: FURTHER INSIGHTS UTILISING BIG DATA (Invited Lecture) <b>R. Potluri</b> ACALM, Birmingham, UK	330
09:00	DAYLIGHT SAVING TIME AND ACUTE MYOCARDIAL INFARCTION: DOES A GENDER-ORIENTED DIFFERENCE EXIST? (Invited Lecture) <b>R. Manfredini</b> , F. Fabbian, B. Zucchi, R. Cappadona Center for Studies on Gender Medicine, University of Ferrara, Ferrara, Italy	331
09:15	INDIVIDUALIZATION OF OPTIMAL TREATMENT FOR STABLE ANGINA PECTORIS: AN ONGOING CHALLENGE (Invited Lecture) <b>U. Thadani</b> University of Oklahoma HSC, Oklahoma City, Oklahoma and VA Medical Center, Oklahoma City, OK, USA	332
09:30	ENHANCING INFLAMMATION RESOLUTION IN ACUTE CORONARY ARTERY DISEASE: THE NEXT FRONTIERS FOR THERAPY? (Invited Lecture) <b>J.G. Filep</b> University of Montreal, Montreal, QC, Canada	333
09:45	INTRAVASCULAR ULTRASOUND (IVUS): CURRENT STATUS AND FUTURE PROSPECTS (Invited Lecture) <b>M. Terashima</b> Toyohashi Heart Center, Toyohashi, Japan	334
10:00	PLACEBO: POWER OF NON-SPECIFIC TREATMENT EFFECTS (Invited Lecture) <b>G. Barsness</b> Mayo Clinic, Rochester, MN, USA	335

**PL13 Plenary Session****CORONARY ARTERY DISEASE: FROM BASIC MECHANISMS TO NOVEL OPPORTUNITIES FOR DIAGNOSIS AND TREATMENT (continued)**

Abstract No.

- |       |  |     |
|-------|--|-----|
| 10:15 | <p>EMS GUIDED PRIMARY PCI MADE A DRAMATIC IMPACT ON POSITIVE STEMI CARE(Invited Lecture)<br/> <b>H. Reddy</b>, R.C. Komatireddy, R. Sharma<br/>         University of Arkansas Medical School, Little Rock, AR, and St. Louis University Medical School, St. Louis, MO, USA</p>                        | 336 |
| 10:30 | <p>ATHEROSCLEROSIS IN ANCIENT MUMMIES (Invited Lecture)<br/> <b>M. Madjid</b><br/>         McGovern School of Medicine, Houston, TX, USA</p>   | 337 |
| 10:45 | <p>THE NOVEL SMALL LEUCINE RICH-REPEAT PROTEIN PODOCAN IS A SELECTIVE SYSTEMIC AND LOCAL REGULATOR OF SMOOTH MUSCLE CELL FUNCTION VIA THE CANONICAL WNT-PATHWAY: LESSONS LEARNED IN MICE AND MEN (Invited Lecture)<br/> <b>R. Hutter</b><br/>         Bassett Medical Center, Cooperstown, NY, USA</p> | 338 |
| 11:00 | <p>COFFEE BREAK, VISIT POSTERS AND EXHIBITION</p>  |     |

## SUNDAY, JULY 29, 2018

08:30 – 10:45

Hall B

PL14

### Plenary Session

#### STEPS FORWARD IN UNDERSTANDING AND MANAGEMENT OF CARDIOMYOPATHY AND HEART FAILURE: BASIC AND CLINICAL

Chairs: **M.R. Johnson**, Madison, WI, USA  
**L. Mestroni**, Aurora, CO, USA

Abstract No.

08:30	THROMBOLYTICS VERSUS PUMP EXCHANGE IN VAD MANAGEMENT: SHOULD WE USE A TAILORED APPROACH? (Invited Lecture) <b>N. Nair</b> Texas Tech Health Sciences Center, Lubbock, TX, USA	339
08:45	DO NEW STUDIES/DEVICES TIP THE BALANCE TO EARLIER LVAD IMPLANTATION AS DESTINATION THERAPY? (Invited Lecture) <b>M.R. Johnson</b> University of Wisconsin School of Medicine and Public Health, Madison, WI, USA	340
09:00	GENETICS IN THE MANAGEMENT OF DILATED CARDIOMYOPATHY (Invited Lecture) <b>L. Mestroni</b> University of Colorado Anschutz Medical Campus, Aurora, CO, USA	341
09:15	TARGETING CaMKII IN HEART FAILURE (Invited Lecture) <b>Y. Wang, J. Cheng</b> Zhongnan Hospital of Wuhan University, Wuhan, China	342
09:30	HOME HOSPITALIZATION FOR ACUTE DECOMPENSATED HEART FAILURE: OPPORTUNITIES AND STRATEGIES FOR IMPROVED HEALTH OUTCOMES (Invited Lecture) <b>M. Silver</b> , University of Illinois, Chicago, IL, USA	343
09:45	MECHANISMS OF DCM DUE TO CELL CYCLE STRESS (Invited Lecture) <b>B.S. Tuana</b> , University of Ottawa, Ottawa, ON, Canada	344
10:00	SILENCING OF THE CARDIAC 18-kDa TRANSLOCATOR PROTEIN PREVENTS HEART FAILURE DUE TO PRESSURE OVERLOAD (Invited Lecture) <b>S. Schaefer</b> , E.N. Dedkova, P.N. Thai University of California Davis, Davis, CA, USA	345
10:15	THE TRIALS AND TRIBULATIONS OF SLOW CONTINUOUS ULTRAFILTRATION FOR MANAGEMENT OF ACUTE HEART FAILURE – AN UPDATE FOR 2018 (Invited Lecture) <b>A. Kazory</b> , University of Florida, Gainesville, FL, USA	346
10:30	IMPACT OF EXERCISE TRAINING ON DIASTOLIC FUNCTION IN HFPEF: GATHERING EVIDENCE FROM CLINICAL AND PRE-CLINICAL STUDIES (Invited Lecture) <b>D. Moreira-Goncalves</b> , University of Porto, Porto, Portugal	347
10:45	COFFEE BREAK, VISIT POSTERS AND EXHIBITION	

S30

Session

## NEW CONCEPTS IN CARDIOVASCULAR DISEASE AND TREATMENT OUTCOMES

Chairs: **S. Cheng**, Boston, MA, USA  
**J. Shirani**, Bethlehem, PA, USA

Abstract No.

- |       |   |     |
|-------|---|-----|
| 08:30 | HEALTHCARE RESOURCE USE AND EXPENDITURES IN PATIENTS UNDER 65 YEARS OF AGE AND NEWLY DIAGNOSED WITH PAROXYSMAL SUPRAVENTRICULAR TACHYCARDIA (PSVT) IN THE UNITED STATES<br><b>N.C. Sacks</b> , S. Bariahtaris, A. Sharma, K. Everson, P.L. Cyr, P. Douville, J.N. Ruskin<br>Precision Xtract, Boston, MA, USA                             | 348 |
| 08:45 | PREDICTORS OF HEALTH-RELATED QUALITY OF LIFE AFTER FIELD-TRIAGE TO PRIMARY PERCUTANEOUS CORONARY INTERVENTION FOR NON-COMPLICATED ST-ELEVATION MYOCARDIAL INFARCTION: AN AGE COMPARISON STUDY<br><b>S.Y. Soo Hoo</b> , Royal North Shore Hospital, Sydney. Australia  | 349 |
| 09:00 | ACUTE AND CHRONIC ELEVATION OF CARDIAC TROPONIN PREDICT THE SEVERITY OF CORONARY ARTERY DISEASE IN PATIENTS WITH END-STAGE RENAL DISEASE<br><b>M.B. Taha</b> , M. Alom, Y. Abdelgadir, O. Hadid, A. Sharma, V. Yelamanchili, R. Naik, N. Haidar, S. Hussain, C. Arsene<br>Wayne State University/Detroit Medical Center, Detroit, MI, USA | 350 |
| 09:15 | LESS IS MORE - RESTRICTIVE TRANSFUSION STRATEGY IN CORONARY ARTERY DISEASE PATIENTS RESULTS IN SHORTER LENGTH OF STAY<br><b>G.A. Medranda</b> , P.J. Sapia, K. Brahmbhatt, C.A. Garcia, C. Healey, M. Fazzari, S. Green<br>NYU Winthrop Hospital, Mineola, NY, USA  | 351 |
| 09:30 | VALIDATION AND COMPARISON OF RESTING GRADIENT TO FRACTIONAL FLOW RESERVE FOR ASSESSMENT OF CORONARY ARTERY STENOSIS<br><b>J. Aoun</b> , S. Lahsaei, C. Zahm, T. Bhat, J.P. Carrozza<br>Saint Elizabeth's Medical Center, Brighton, MA, USA  | 352 |
| 09:45 | DEATH REPORTS AMONGST NOACS AND WARFARIN USERS. A STRATIFIED ANALYSIS OF FAERS DATA<br><b>F.F. Richy</b> , Public Health and Epidemiology, University of Liege, Liege, Belgium  | 353 |
| 10:00 | PREDICTORS OF OUTCOME IN PATIENTS TRANSFERRED DIRECTLY TO CARDIAC INTENSIVE CARE UNIT VIA INTER-HOSPITAL TRANSFER<br><b>B. Ternus</b> , J. Jentzer, S. Kopecky, G. Barsness, Mayo Clinic, Rochester, MN, USA  | 354 |
| 10:15 | POSTOPERATIVE TROPONIN ELEVATIONS PORTEND A HIGH MORTALITY RISK EVEN IN LOW-RISK PATIENTS<br><b>E. Pivato</b> , S. Vasireddi, L. James, M. Kondapaneni<br>MetroHealth Medical Center, Cleveland, OH, USA  | 355 |
| 10:30 | LONG-TERM PROGNOSTIC VALUE OF CORONARY ANGIOGRAPHY IN MEDICALLY TREATED PATIENTS<br>R.M. Ferreira, <b>M.C. Caires</b> , L. Franco, P.B. Villela, J.C.G. Almeida, L.A. Salis, N.A. de Souza e Silva<br>Edson Saad Heart Institute, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil  | 356 |
| 10:45 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION  |     |



S31

Session

ACUTE CORONARY SYNDROME: DETECTION, PREVENTION AND TREATMENT

Chairs: **G. Barsness**, Rochester, MN, USA  
**L.M. Biasucci**, Rome, Italy

Abstract No.

- |       |  |     |
|-------|--|-----|
| 11:15 | <p>FALSE CATHETERIZATION ALERTS: ECG CLUES AND ECONOMIC IMPACT<br/> <b>A. Agrawal</b>, M. Lu, N. Kanjanahattakij, H. Jeon, A. Romero-Corral, V. Figueredo, G. Pressman<br/>                 Albert Einstein Medical Center, Philadelphia, PA, USA</p>  | 357 |
| 11:30 | <p>EFFECT OF TIME OF DAY ON OUTCOMES OF PCI FOR STEMI<br/> <b>A. Karnik</b>, J. Lee, E. Choi, J. Aguilar, S. Li, V. Kumar, S. Conley, N.W. Niles, II, B.W. Andrus, J.T. DeVries<br/>                 Dartmouth Hitchcock Medical Center, Lebanon, NH, USA</p>  | 358 |
| 11:45 | <p>PREDICTIVE VARIABLES OF LONG TERM OUTCOME IN PATIENTS UNDERGOING COMPLEX PERCUTANEOUS CORONARY INTERVENTIONS. THE ERACI RISK SCORE<br/>                 A.M. Rodriguez-Granillo, H. Pavlovsky, C. Fernandez-Pereira, J. Mieres, M.L. Sisu, O. Santaera, Z. Ming, W. Pan, <b>A.E. Rodriguez</b><br/>                 Sanatorio Otamendi, Buenos Aires, Argentina</p> | 359 |
| 12:00 | <p>ASSOCIATION BETWEEN E-CIGARETTE USE AND CARDIOVASCULAR DISEASE<br/> <b>P. Ndunda</b>, T. Muutu<br/>                 University of Kansas School of Medicine - Wichita, KS, USA</p>  | 360 |
| 12:15 | <p>IMPACT OF FAMILY HISTORY OF CORONARY ARTERY DISEASE ON IN-HOSPITAL CLINICAL OUTCOMES IN ST-SEGMENT MYOCARDIAL INFARCTION<br/> <b>U. Ashraf</b>, A. Sharma, A. Nanda, J. Kelly, V. Chinta, I. Pour-Ghaz, R. Khouzam<br/>                 University of Tennessee, Memphis, TN, USA</p>   | 361 |
| 12:30 | <p>MARIJUANA (CANNABIS) USE IS AN INDEPENDENT PREDICTOR OF ADVERSE OUTCOMES IN PRINZMETAL'S ANGINA<br/>                 A. Singh, <b>R. Aurshiya</b>, S. Pakniyat, J. Shirani<br/>                 St. Luke's University Health network, Bethlehem, PA, USA</p>  | 362 |
| 12:45 | <p>ANTIPLATELET DRUG RESISTANCE IN ASIAN POPULATION<br/> <b>S.A.P. Sadath</b>, G. Vijayaraghavan<br/>                 Nizar Cardiac Centre, Malappuram, India</p>  | 363 |
| 13:00 | <p>MYOCARDIAL ISCHEMIA IN TRUE (IIA SUBTYPE) ISOLATED SINGLE CORONARY ARTERY<br/>                 A. Sinha, R. Kumar, <b>J. Shirani</b><br/>                 St. Luke's University Health Network, Bethlehem, PA, USA</p>  | 364 |

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## Session

## ACUTE CORONARY SYNDROME: DETECTION, PREVENTION AND TREATMENT (continued)

Abstract No.

- 13:15 MYOCARDIAL BRIDGES DIAGNOSTICS 365  
**O. Gogayeva**, V. Lazoryshynets, L. Dzakhoeva, S. Rudenko, S. Salo  
 National Amosov Institute of Cardiovascular Surgery NAMS of Ukraine,  
 Kiev, Ukraine
- 13:30 INTERNUCLEAR OPHTHALMOPLEGIA, A RARE NEURO 366  
 OPHTHALMOLOGIC COMPLICATION OF CARDIAC CATHETERIZATION  
**S. Kumar**, H. Patel, A. Rajasekaran, J. Morales Lappot, T. Lee, S. Hussain  
 University of Central Florida College of Medicine, Orlando, FL, USA
- 13:45 THERE IS NO SIGNIFICANT ASSOCIATION BETWEEN ADMISSION 367  
 GLOMERULAR FILTRATION RATE AND LOCATION OR SEVERITY OF CORONARY  
 ARTERY DISEASE  
**T. Oliver**, P. Sethi, A. Jbeli, M. Omar, P. Thompson, J. Devasahayam, U. Krishnan  
 USD Sanford School of Medicine, Sioux Falls, SD, USA

**S32**

**Session**

**CARDIOMYOPATHY, HEART FAILURE AND PULMONARY HYPERTENSION:  
NOVEL APPROACHES FOR DIAGNOSIS AND TREATMENT**

Chairs: **M.A. Silver**, Oak Lawn, IL, USA  
**Y. Wang**, Wuhan, China

		Abstract No.
11:15	A NOVEL SELECTIVE HUMAN BETA <sub>3</sub> -ADRENERGIC RECEPTOR ANTAGONIST OF APD418 IMPROVED LEFT VENTRICULAR AND CARDIOMYOCYTE FUNCTIONAL PERFORMANCE IN CONSCIOUS, CHRONICALLY-INSTRUMENTED DOGS WITH PACING-INDUCED HEART FAILURE H.-J. Cheng, X. Zhang, T. Li, Z. Zhang, D. Deal, J. Jordan, J. Adams, <b>C. Cheng</b> Wake Forest School of Medicine, Winston-Salem, NC, USA	368
11:30	PVC INDUCED CARDIOMYOPATHY: RISK ASSESSMENT C. Sineri, W. Sheu, T. Ejigu, H. Kalinga, <b>D. Bloomfield</b> Richmond University Medical Center, Staten Island, NY, USA	369
11:45	ECHOCARDIOGRAPHIC PREDICTORS OF NEW ONSET TACHYARRHYTHMIA INDUCED CARDIOMYOPATHY <b>N. Thinda</b> , B. Khatri, C. Katikireddy VA CCHS / UCSF Fresno, Fresno, CA, USA	370
12:00	GENOME EDITING THERAPY FOR DUCHENNE MUSCULAR DYSTROPHY-ASSOCIATED CARDIOMYOPATHY L. Xu, Y. Lau, Y. Gao, J. Ma, <b>R. Han</b> The Ohio State University, Columbus, OH, USA	371
12:15	STRESS CARDIOMYOPATHY ASSOCIATED WITH COCAINE USE A. Singh, <b>R. Aurshiya</b> , S. Pakniyat, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA	372
12:30	COST EFFECTIVENESS OF SIMPSON'S BIPLANE METHOD & EARLY PREDICTORS OF LEFT VENTRICULAR DYSFUNCTION IN BREAST CANCER PATIENTS TREATED WITH TRASTUZUMAB <b>K. Bhamidipati</b> , A. Ali, B. Skaria, K. Mahmood, G. Pulikal Heart of England NHS Trust, Solihull, UK	373
12:45	UNDERRATED AND DIAGNOSED: CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION (CTEPH) <b>A. Shah</b> , S. Shrestha, C. Cabral Morristown Medical Center, Morristown, NJ, USA	374

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**Session****CARDIOMYOPATHY, HEART FAILURE AND PULMONARY HYPERTENSION:  
NOVEL APPROACHES FOR DIAGNOSIS AND TREATMENT (continued)**

Abstract No.

- 13:00 OBESITY PARADOX IN RECREATIONAL DRUG USERS: ARE HEART FAILURE OUTCOMES AFFECTED? **375**  
**A. Akinlonu**, T.O. Mene-Afejuku, P.D. Lopez, C. Dumancas, O. Ola, E.M. Ngo, A. Savadkar, F. Visco, S. Mushiyevev, G. Pekler  
New York Medical College, Metropolitan Hospital Center, New York, NY, USA
- 13:15 RELATIONSHIP BETWEEN PULMONARY HYPERTENSION AND OUTCOMES AMONG PATIENTS WITH HEART FAILURE WITH REDUCED EJECTION FRACTION **376**  
T.O. Mene-Afejuku, C. Dumancas, **A. Akinlonu**, P.D. Lopez, H.A. Reyes, E.H. Cativo, G. Pekler, F. Visco, S. Mushiyevev  
New York Medical College, Metropolitan, New York, NY, USA

**S33**

**Session**

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

Chairs: **H.P. Chaliki**, Scottsdale, AZ, USA  
**A.N. Cheema**, Toronto, ON, Canada

Abstract No.

11:15	ACQUIRED AORTIC ATRESIA CATHETER THERAPY USING COVERED STENTS S.S. Mohsin, T. Momenah, K. Al Khalaf, <b>A. Alshari</b> Prince Sultan Cardiac Center, Riyadh, Saudi Arabia	377
11:30	ORIFICE ECCENTRICITY ACCENTUATES FLOW DISTURBANCE DUE TO SEVERE MITRAL ANNULAR CALCIFICATION (Invited Lecture) E.J. Friend, B. El-Sayegh, <b>G.S. Pressman</b> , G. Di Labbio, E. Obasare, L. Kadem Einstein Healthcare Network, Philadelphia, PA, USA	378
11:45	PEDIATRIC AND ADULT CONGENITAL ARRHYTHMIAS MANAGEMENT: TECHNIQUES AND CHALLENGES (Invited Lecture) <b>S. Das</b> , University of Arkansas for Medical Sciences, Little Rock, AR, USA	423
12:00	RHYTHM DISTURBANCES AFTER TRANSCATHETER AORTIC VALVE REPLACEMENT: A STRATEGY OF SURVEILLANCE S. Lilly, <b>M. Skaf</b> , N. Makki, N. Matre, K. Boudoulas, G. Rushing The Ohio State University, Columbus, OH, USA	379
12:15	STROKE AS PRESENTING SIGN OF CONGENITALLY UNICUSPID AORTIC VALVE <b>S. Vallabhaneni</b> , R. Aurshiya, S. Meera, S. Pakniyat, J. Shirani St. Luke's University Health Network, Bethlehem, PA, USA	380
12:30	A REVIEW OF RACIAL DISPARITIES IN TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR) <b>A. Sharma</b> , T. Bob-Manuel, A. Nanda, U. Ashraf, J. Kelly, I. Pour-Ghaz, R.N. Khouzam University of Tennessee Health Science Center, Memphis, TN, USA	381
12:45	NEW ONSET CONGESTIVE HEART FAILURE FOLLOWING NEW LEFT BUNDLE BRANCH BLOCK AFTER TRANS-CATHETER AORTIC VALVE REPLACEMENT: A CASE REPORT <b>M. Katayama</b> , D. Fortuin, J. Sweeney, M. Belohlavek, H. Chaliki Mayo Clinic, Scottsdale, AZ, USA	382
13:00	AN EXAMINATION OF ACCESS SITE COMPLICATIONS IN TRANSCUTANEOUS AORTIC VALVE REPLACEMENT: RISK FACTORS, POTENTIAL PREVENTION, AND TREATMENT <b>J. Kelly</b> , A. Nanda, I. Pour-Ghaz, U. Ashraf, A. Sharma, A. Sharma, V. Chinta, R.N. Khouzam University of Tennessee Health Science Center, Memphis, TN, USA	383
13:15	MY WORST COMPLICATION JUST HAPPENED <b>I. Baig</b> , S. Ahmed, C. Good, A. Alsaid, S. Agarwal University, Geisinger Medical Center, Danville, PA, USA	384

**P501 MOLECULAR AND CELLULAR CARDIOLOGY, VASCULAR BIOLOGY,  
BASIC RESEARCH**

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2	THE PROTECTIVE ROLE OF PRX1 IN THE ATHEROSCLEROSIS BY REGULATING MACROPHAGE LIPOPHAGIC FLUX S.-J. Jeong, <b>G. Oh</b> Cardiovascular Division, St. Louis, MO, USA	386
3	LIPID LYSOPHOSPHATIDYLCHOLINE-INDUCED Ca <sup>2+</sup> INFLUX WAS MUCH MORE SUBSTANTIAL AND UNLIKELY STORE-OPERATED Ca <sup>2+</sup> ENTRY (SOCE) IN CYTOTOXICITY OF MOUSE CEREBRAL MICROVASCULAR ENDOTHELIAL CELLS <b>K.-L. Wong</b> , C.-W. Cheung, B.-M. Huang, Y.-M. Leung China Medical University and Hospital, Taichung, Taiwan	387
4	THE INCREASE OF CELLULAR ANTIOXIDANT ENZYMES ACTIVITY BY METABOLIC DRUG ELTACIN IN THERAPY OF ELDERLY PATIENTS WITH ISCHEMIC HEART DISEASE <b>E. Kalinina</b> , R. Zaslavskaya, Y. Nartsissov Peoples' Friendship University of Russia (RUDN University), Moscow, Russian Federation	388
5	EXPRESSION OF Flk-1 AND CYCLIN D2 mRNA IN MYOCARDIUM WITH DOXORUBICIN-INDUCED CARDIOMYOPATHY M.G.Klinnikova, E.V.Koldysheva, T.A.Korolenko, <b>E.L.Lushnikova</b> Institute of Molecular Pathology and Pathomorphology, Inst. Physiol. Fund. Med., Novosibirsk, Russia	424
6	miRNA-449 PROMOTE DIABETIC CARDIAC FIBROSIS BY THE SMAD3 PATHWAY <b>H. Liu</b> Qinghai University Medical College, Xining, China	389
<b>P502 IMMUNE AND INFLAMMATORY MECHANISMS IN ATHEROSCLEROSIS</b>		
8	RARE ONSET OF ACUTE RHEUMATIC CARDITIS POST TREATMENT OF STREPTOCOCCAL PHARYNGITIS <b>T. Nag</b> , S. Pal, M. Karim, J. Harburger Westchester Medical Center, Valhalla, NY, USA	391

## P503 CARDIAC PROTECTION AND REGENERATION, BASIC RESEARCH

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10	PULSED ELECTROMAGNETIC FIELD STIMULATION AS A POTENTIAL CARDIOPROTECTIVE INTERVENTION <b>K. Purnamawati</b> , J. Yap, S. Ng, P. Li, A. Rufaihah, A. Franco-Obregon National University of Singapore, Singapore, Singapore	393
11	EFFECTS OF DIFFERENT $\beta$ -ADRENERGIC RECEPTORS ON CARDIAC FUNCTION IN HYPOXIC STRESS RATS <b>W. Zhang</b> , Y. Zhang, J. Liu, C. Cao, Q. Ji, Z. Yuan Research Center for High Altitude Medicine, Xining, China	394

## P504 THROMBOSIS, BASIC RESEARCH

12	LEFT ATRIAL APPENDAGE THROMBOSIS IN A MOUSE MODEL OF CORONARY ARTERY DISEASE <b>H.J. Begmatov</b> , O. Rashidbaigi, F. Romanelli, A.M. Corbo, J. Millan, M. Plummer, O.V. Savinova NYIT College of Osteopathic Medicine, Old Westbury, NY, USA	395
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16	<p>SWEET TASTE PERCEPTION AND OBESITY RISK IN SUBJECTS WITH METABOLIC SYNDROME. GENOME WIDE SCREENING FOR NEW GENES AND GENE-GENDER INTERACTIONS</p> <p>E.M. Asensio, D. Corella, R. Fernández, J.V. Sorlí, <b>O. Coltell</b></p> <p>University of Valencia-Ciberobn, Valencia, Spain</p>	399
17	<p>THE THERAPEUTIC EFFECTS OF EVODIAMINE IN FRUCTOSE-INDUCED METABOLIC SYNDROME IN RATS</p> <p>V.K. Spiridonov, Z.S. Tolochko, C.-L. Lin, <b>T.A. Korolenko</b></p> <p>Institute of Physiology and Basic Medicine, Novosibirsk, Russian Federation</p>	400
18	<p>GENOME-WIDE ASSOCIATION SCREENING FOR TOTAL BILIRUBIN LEVELS IN PATIENTS WITH METABOLIC SYNDROME IN A MEDITERRANEAN POPULATION</p> <p><b>O. Coltell</b>, E.M. Asensio, C. Ortega-Azorín, R. Fernández-Carrión, J.V. Sorlí, R. Tosca, L.V. Lizán, I.M. Giménez-Alba, A. Betancort, D. Corella</p> <p>Computer Languages and Systems, Universitat Jaume I-Ciberobn, Castellon, Spain</p>	401
19	<p>TAS2R38 VARIATION AND BITTER TASTE PERCEPTION: ANALYSIS OF GENDER, AGE AND LIFESTYLE INTERACTIONS</p> <p>R. Barragan, O. Coltell, E.M. Asensio, J. Gonzalez, O. Portoles, R. Fernandez-Carrion, <b>D. Corella</b></p> <p>University of Valencia-CIBEROBN, Valencia, Spain</p>	402
20	<p>PATHOGENESIS OF ATHEROSCLEROSIS IN THE YOUNG: TIME TO LOOK BEYOND DIABETES, HIGH CHOLESTEROL AND TOBACCO</p> <p><b>S. Potluri</b>, P. Carter, D. Lavu, H. Uppal, S. Chandran, R. Potluri</p> <p>ACALM Study Unit, Birmingham, UK</p>	425
21	<p>ASARONE STIMULATES LIPOLYSIS IN ADIPOCYTES</p> <p><b>Y. Yang</b></p> <p>Sookmyung Women's University, Yongsan-gu, Republic of Korea</p>	403
22	<p>CLINICAL AND EPIDEMIOLOGICAL CHARACTERISTICS OF PATIENTS WITH HYPERTENSIVE CRISES TREATED IN THE EMERGENCY SERVICE OF A HIGH LEVEL INSTITUTION OF COMPLEXITY, MEDELLIN, COLOMBIA 2014-2015</p> <p><b>M.C. Duque</b>, L.M. Martinez, L.F. Álvarez, D. Gallego, J.I. Bañol, M.A. Rodriguez, J.S. Marin, A.E. Marin, L.I. Jaramillo</p> <p>Universidad Pontificia Bolivariana, Medellin, Colombia</p>	404



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23	ACUTE SEVERE PULMONARY HYPERTENSION CAUSING RIGHT HEART FAILURE FROM PULVERIZED OXYCODONE INTRAVENOUS INJECTION <b>S. Gupta</b> , G. Jolly, S. Pal, A. Milovanovic, G. Lanier Westchester Medical Center (New York Medical College), Valhalla, NY, USA	405
24	VASODILATOR TESTING FOR IDIOPATHIC PULMONARY HYPERTENSION: IS IT REALLY NECESSARY? <b>H. Doshi</b> , J. Xu, A. Alam Robert Wood Johnson, New Brunswick, NJ, USA	406

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26	PLAQUE CHARACTERISTICS IN HYPERINSULINEMIA PATIENTS WITH ACUTE MYOCARDIAL INFARCTION. AN OPTICAL COHERENCE TOMOGRAPHY STUDY <b>T. Nunohiro</b> , T. Fukushima, S. Furudono, S. Muto, H. Suenaga, S. Takeshita, H. Nakashima Nagasaki Harbor Medical Center, Nagasaki, Japan	408
27	COMPARISON OF LONG-TERM AND SHORT-TERM MORTALITY AFTER PRIMARY PERCUTANEOUS CORONARY INTERVENTION FOR STEMI VERSUS THOSE WITH NON-STEMI <b>H.-Y. Kim</b> , D.-B. Kim Bucheon St. Mary's Hospital, Bucheon, Republic of Korea	409
28	PERI-PROCEDURAL COMPLICATION RATES AMONG FALSE AND TRUE ST ELEVATION MYOCARDIAL INFARCTION ACTIVATIONS TAKEN TO THE CARDIAC CATHETERIZATION LABORATORY <b>C.M. Dookhan</b> , A. Ghatak, R. Patel, E. De Marchena, C. Mendoza, A. Ferreira Medical College of Georgia, Augusta, GA, USA	410
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33	<p>AN UNCONVENTIONAL CAUSE OF MYOCARDIAL INFARCTION  <b>H.E. Matos Santana</b>            Morristown Medical Center, Morristown, NJ, USA</p>	415
34	<p>PREDICTIVE FACTORS OF IN-HOSPITAL DEATH IN TUNISIAN PATIENTS            PRESENTING FOR ST-ELEVATION MYOCARDIAL INFARCTION MANAGED            WITH PREHOSPITAL THROMBOLYSIS  <b>W. Jomaa</b>, M.A. Tekaya, N. Amdouni, A. El Hraiech, K. Ben Hamda, F. Maatouk            Fattouma Bourguiba University Hospital, Monastir, Tunisia</p>	416
35	<p>MORTALITY IN CARDIOGENIC SHOCK WITHOUT EVIDENT ACUTE CORONARY            SYNDROME: UNDERSTANDING POPULATIONS TO MODIFY THE RESULTS            R. Costantini, J.M. Telayna, <b>J.M. Telayna, Jr.</b>            Hospital Universitario Austral, Pilar, Bs As, Argentina</p>	417

**P508 VALVULAR HEART DISEASE**

36	<p>AN APPROACH TO AVOID SURGERY IN TRICUSPID VALVE ENDOCARDITIS  <b>P.R. Pinkhasova</b>, A.R. Elashery, R. Gallagher, M. Warshofsky            Western Connecticut Health Network - Danbury Hospital, Danbury, CT, USA</p>	418
37	<p>TRANSCUTANEOUS AORTIC VALVE REPLACEMENT (TAVR) VALVE IN TAVR            VALVE FOR SEVERE PERIPROSTHETIC REGURGITATION  <b>S. Nandy</b>            Mayo Clinic, Rochester, MN, Rochester, MN, USA</p>	419
38	<p>IMPLANTATION OF LEADLESS PACEMAKER FOR DEVELOPMENT OF NEW            LEFT BUNDLE BRANCH BLOCK AND SYMPTOMATIC PAUSE FOLLOWING            TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR)  <b>S. Nandy</b>            Mayo Clinic, Rochester, MN, Rochester, MN, USA</p>	420
39	<p>THROMBOSIS AS A COMPLICATION OF TRANSPICAL TRANSCATHETER            MITRAL VALVE-IN-VALVE IMPLANTATION  <b>R. Shah</b>, D. Hill, A. Waldman, D. Bourque            Orlando Health, Orlando, FL, USA</p>	421
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