FRIDAY, JULY 27, 2018

09:00 – 10:30 Hall A

OC: OPENING CEREMONY

Chair: John A. Elefteriades, USA

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

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

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

Naranjan S. Dhalla, Canada
Member, Scientific Executive Committee
Chair, Section of Molecular Cardiology
International Academy of Cardiology

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. Elefteriades, 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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>09:55</td>
<td>INTRODUCTION</td>
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<td>10:00</td>
<td>EVOLVING LANDSCAPE OF ANTITHROMBOTIC THERAPY FOR Atherosclerosis</td>
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<td>(Invited Lecture)</td>
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<td>10:30</td>
<td>COFFEE BREAK, VISIT POSTERS AND EXHIBITION</td>
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### 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

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>11:00</td>
<td>NANOMEDICAL STUDIES OF ENDOTHELIAL AGING IN THE CARDIOVASCULAR SYSTEM</td>
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<td>(Invited Lecture)</td>
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<tr>
<td>11:15</td>
<td>PROTEOTOXICITY AND CARDIAC DISEASE (Invited Lecture)</td>
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<tr>
<td>11:30</td>
<td>MOLECULAR MECHANISMS UNDERLYING THE ANTI-ATHEROGENIC ACTIONS OF NUTRACEUTICALS (Invited Lecture)</td>
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</table>

**Abstract No.**

**187**

**001**

**003**

**004**
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)
R.C. Kukreja, A. Samidurai, L. Xi, F. Salloum, A. Das
Virginia Commonwealth University, Richmond, VA, USA 005

12:00 T3 VERSUS METOPROLOL TREATMENT OF RATS WITH MYOCARDIAL INFARCTION - AND THE WINNER IS?  (Invited Lecture)
A.M. Gerdes, K. Zhang, Y. Zhang, K. Ojamaa, Y.-D. Tang
New York Institute of Technology, Old Westbury, NY, USA 006

12:15 CARDIAC TARGETING PEPTIDE; A NOVEL CARDIAC TARGETING PROTEIN TRANSDUCTION DOMAIN (Invited Lecture)
M. Zahid
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)
University of Nebraska Medical Center, Omaha, NE, USA 008

12:45 LUNCH BREAK, VISIT POSTERS AND EXHIBITION
FRIDAY, JULY 27, 2018

11:00 – 13:00  Hall B

PL02  Plenary Session
INSIGHTS FROM MULTIMODALITY CARDIOVASCULAR IMAGING

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

11:00  CALCIUM SCORING - WHERE DO WE STAND IN 2018?  (Invited Lecture)  
       J.J. Mahmarian  
       Weill Cornell Medical College, Houston Methodist Hospital, Houston, TX, USA

11:15  BEYOND STENOSIS: PLAQUE AND ISCHEMIA ASSESSMENTS BY  
       CORONARY CTA  (Invited Lecture)  
       D.S. Berman, 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

11:30  NEXT GENERATION INTRAVASCULAR COMPOSITIONAL IMAGING  
       ASSESSMENT OF THE HIGH-RISK PLAQUE  (Invited Lecture)  
       J.W. Kim  
       Korea University Guro Hospital, Seoul, Republic of Korea

11:45  NOVEL ULTRASOUND IMAGING STRATEGIES FOR ISCHEMIC  
       HEART DISEASE  (Invited Lecture)  
       J.M. Gardin  
       Rutgers New Jersey Medical School, Newark, NJ, USA

12:00  OPTICAL COHERENCE TOMOGRAPHY FOR THE DETECTION OF  
       VULNERABLE PLAQUE  (Invited Lecture)  
       T. Kubo  
       Wakayama Medical University, Wakayama, Japan

12:15  ADVANCES IN MYOCARDIAL RECEPTOR IMAGING WITH PET: THE  
       ANGIOTENSIN AND ENDOCANNABINOIDS SYSTEM  (Invited Lecture)  
       T.H. Schindler, I. Valenta, P. Pacher  
       Washington University, Saint Louis, MO, USA

12:30  STRENGTHS AND WEAKNESSES OF EXERCISE ECHOCARDIOGRAPHY  
       (Invited Lecture)  
       M. Prokudina  
       International Heart Center, St. Petersburg, Russian Federation

12:45  A FRAMEWORK FOR WEARABLE TECHNOLOGIES IN CARDIOLOGY  
       (Invited Lecture)  
       I. Kedan  
       Cedars Sinai Smidt Heart Institute, Beverly Hills, CA, USA

13:00  LUNCH BREAK, VISIT POSTERS AND EXHIBITION
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?

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

11:00  MYOCARDIAL INTERSTITIAL FIBROSIS IN HEART FAILURE: BEYOND VENTRICULAR STIFFNESS  (Invited Lecture)
       H.N. Sabbah
       Henry Ford Hospital, Detroit, MI, USA

11:15  EFFECT OF INSTITUTIONAL EXPERIENCE ON OUTCOMES OF ALCOHOL SEPTAL ABLATION FOR HYPERTROPHIC OBSTRUCTIVE CARDIOMYOPATHY  (Invited Lecture)
       Charles University, University Hospital Motol, Prague, Czech Republic

11:30  PULMONARY HYPERTENSION - HAVE WE GONE FROM A DEATH SENTENCE TO A “FORGETTABLE DISEASE” FOR MANY IN 30 YEARS?  (Invited Lecture)
       R.C. Bourge
       The University of Alabama at Birmingham, Birmingham, AL, USA

11:45  CLEARING OF β₁-RECEPTOR AUTOANTIBODIES FROM THE BLOOD: A USEFUL TREATMENT OPTION FOR IDIOPATHIC DILATED CARDIOMYOPATHY  (Invited Lecture)
       M. Dandel
       Deutsches Herzzentrum Berlin, Berlin, Germany

12:00  A NEW APPROACH TO HEART VALVE DISEASE: INTERVENTION OR PREVENTION?  (Invited Lecture)
       R. Levine
       Massachusetts General Hospital, Boston, MA, USA

12:15  THE ROLE OF LEFT ATRIAL STRAIN IN HEART FAILURE  (Invited Lecture)
       B. Hoit
       University Hospitals Cleveland Medical Center, Cleveland, OH, USA

12:30  FAMILIAL MITOCHONDRIAL CARDIOMYOPATHY  (Invited Lecture)
       A. Lorber, R. Tal
       Rambam Medical Center, Haifa, Israel
**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)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Abstract No.</th>
<th>Speaker(s)</th>
<th>Affiliation</th>
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<tr>
<td>12:45</td>
<td>THERAPEUTIC EFFECT OF IMMUNOADSORPTION IN PATIENTS WITH INFLAMMATORY CARDIOMYOPATHY: RESULTS FROM THE PROSPECTIVE BAD BERKA REGISTRY (Invited Lecture)</td>
<td>024</td>
<td>M.-A. Ohlow, M. Schreiber</td>
<td>Zentralklinik, Bad Berka, Germany</td>
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<tr>
<td>13:00</td>
<td>HfPpEF AS A SYSTEMIC DISEASE - WHAT CAN WE LEARN FROM CARDIOPULMONARY EXERCISE TESTING? (Invited Lecture)</td>
<td>025</td>
<td>J. Ho</td>
<td>Massachusetts General Hospital, Boston, MA, USA</td>
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<td>13:15</td>
<td>CARDIAC REHABILITATION AND ITS EFFECTS ON COGNITION IN SUBJECTS WITH CORONARY ARTERY DISEASE AND HEART FAILURE (Invited Lecture)</td>
<td>026</td>
<td>K. Alagiakrishnan</td>
<td>University of Alberta, Edmonton, AB, Canada</td>
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<td>13:30</td>
<td>LUNCH BREAK, VISIT POSTERS AND EXHIBITION</td>
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**P101 CARDIOVASCULAR PHARMACOLOGY AND DRUG THERAPY**

1. **CARDIOVASCULAR BENEFITS OF DIURETIC-BASED THERAPIES COMBINED WITH SIMVASTATIN IN HIGH-RISK HYPERTENSIVE PATIENTS WITH A HIGH-NORMAL LEVEL OF TOTAL CHOLESTEROL**
   
   Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy of Medical Science and Peking Union Medical College, Beijing, China

2. **PHENYTOIN INHIBITS THE EXPRESSION OF CARDIAC CAV1.2 CHANNELS VIA DISRUPTING SYNTHESIS AND TRAFFICKING**
   
   *D. Han, P. Liu, X. Sun, Y. Liu, J. Sun*  
   The First Affiliated Hospital of Xi’an Jiaotong University, Xi’an, China

3. **NONSPECIFIC INTERSTITIAL PNEUMONIA: A RARE ADVERSE REACTION OF ATORVASTATIN**
   
   *J. Xu, S. Verga, J. Stoll, L. Pioppo, W. Khan*  
   Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA

4. **EFFECTS OF STATIN USE ON ADVERSE OUTCOMES IN PATIENTS WITH ATRIAL FIBRILLATION**
   
   *S. Wu, Y.M. Yang*  
   National Center for Cardiovascular Diseases, Fuwai Hospital, Beijing, China

5. **LIDOCAINE TOXICITY MANIFESTING AS ACUTE STROKE: A RARE PRESENTATION**
   
   *L. Hou, J. Xu, E. Pagan, K. Patel, A. Hakeem*  
   Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ, USA

6. **A CASE REPORT OF HEART FAILURE WITH PRESERVED EJECTION FRACTION DURING ATRIAL FIBRILLATION TREATMENT WITH PILSICAINIDE**
   
   *T.J. Matsubara, K. Fujiu, S. Ohnishi, M. Yamasaki*  
   University of Tokyo, Tokyo, Japan
**FRIDAY, JULY 27, 2018**

08:00 – 13:00  
Poster Hall

<table>
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**P102 CONGENITAL HEART DISEASE AND PEDIATRIC CARDIOLOGY**

<table>
<thead>
<tr>
<th>Board No</th>
<th>Title</th>
<th>Authors</th>
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</thead>
<tbody>
<tr>
<td>7</td>
<td>DETERMINATION OF RIGHT VENTRICULAR FUNCTION BY SYSTOLIC TO DIASTOLIC DURATION RATIO IN TETRALOGY OF FALLOT</td>
<td>A.L. Arndt, K.W. Holmes</td>
<td>Oregon Health and Science University, Portland, OR, USA</td>
</tr>
<tr>
<td>8</td>
<td>IDIOPATHIC PERICARDIAL EFFUSION AND CARDIAC TAMPOANADE IN CHILDREN WITH TRISOMY 21</td>
<td>C.B. Johnson, A. Qasim, M.A. Aly, A.M. Aly</td>
<td>University of Texas Medical Branch, Galveston, TX, USA</td>
</tr>
<tr>
<td>9</td>
<td>ISOLATED FAMILIAL RIGHT VENTRICULAR HYPOPLASIA</td>
<td>A.M. Aly, S. Dasgupta, A. Jain</td>
<td>University of Texas Medical Branch, Galveston, TX, USA</td>
</tr>
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<td>10</td>
<td>FETAL DIAGNOSIS AND NEONATAL PALLIATION OF ABSENT AORTIC VALVE WITH HYPOPLASTIC LEFT HEART SYNDROME</td>
<td>A. Qasim, C.B. Johnson, M.A. Aly, A.M. Aly</td>
<td>University of Texas Medical Branch, Galveston, TX, USA</td>
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<td>11</td>
<td>DESPITE THE ODDS</td>
<td>A. Addoumieh, M. Abdallah, D. Majdalany</td>
<td>Cleveland Clinic, Cleveland, OH, USA</td>
</tr>
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<td>12</td>
<td>UNROOFED CORONARY SINUS AND PERSISTENT LEFT SUPERIOR VENA CAVA: LATE ONSET SYMPTOMS POST-SURGICAL CORRECTION</td>
<td>B. Gheyath, G. Pettersson, D. Majdalany</td>
<td>Cleveland Clinic Foundation, Cleveland, OH, USA</td>
</tr>
<tr>
<td>13</td>
<td>MULTIMODALITY IMAGING OF ANOMALOUS RIGHT CORONARY ARTERY WITH INTERARTERIAL COURSE FOUND DURING A NON ST ELEVATION MYOCARDIAL INFARCTION</td>
<td>M. Bintvihok, J. Aoun, M. Almeqadadi, M. Afari, A. Davidoff, L. Tsao</td>
<td>St. Elizabeth’s Medical Center, Boston, MA, USA</td>
</tr>
<tr>
<td>14</td>
<td>COMPARISON OF ECHOCARDIOGRAPHIC CRITERIA FOR DIAGNOSING LEFT VENTRICULAR NONCOMPACTION IN PATIENTS WITH CLINICAL CARDIOMYOPATHY</td>
<td>G. Hackett, F. Munir, R. Tunks, T. Chin</td>
<td>Penn State Health Children’s Hospital, Hershey, PA, USA</td>
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</table>
### P103 TRANSCATHETER THERAPY FOR STRUCTURAL HEART DISEASE

<table>
<thead>
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<th>Board No</th>
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<tr>
<td>15</td>
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</tbody>
</table>

#### 15 PERMANENT PACEMAKER (PPM) INSERTION IN PATIENTS WITH CONDUCTION ABNORMALITIES POST TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR): A REVIEW AND PROPOSED GUIDELINES

**A.S. Nanda, T. Bob-Manuel, V. Chinta, A. Sharma, U. Ashraf, J. Kelly, I. Pour-Ghaz, R.N. Khouzam**

University of Tennessee, Memphis, TN, USA

#### 16 SMOKER’S PARADOX: THE IMPACT OF SMOKING IN PATIENTS UNDERGOING TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR).

**A.S. Nanda, M. Agarwal, A. Sharma, V. Chinta, U. Ashraf, J. Kelly, I. Pour-Ghaz, R.N. Khouzam**

University of Tennessee, Memphis, TN, USA

#### 17 EFFECTS OF SMOKING ON ECHOCARDIOGRAPHIC AND CLINICAL OUTCOMES AFTER TRANSCATHETER AORTIC VALVE REPLACEMENT

**A. Mehlman, 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

#### 18 ASSESSMENT OF IMPACT OF PREPROCEDURAL PULMONARY HYPERTENSION TO THE CLINICAL OUTCOMES IN PATIENTS UNDERGOING TRANSCATHETER AORTIC VALVE REPLACEMENT: A SINGLE CENTER EXPERIENCE

**M. Farhoud, S. Banga, C. Bhardwaj**

OSF SFMC, Peoria, IL, USA

#### 19 INTERMEDIATE-TERM PACEMAKER DEPENDENCY FOLLOWING TRANSCATHETER AORTIC VALVE REPLACEMENT


Dartmouth Hitchcock Medical Center, Lebanon, NH, USA

#### 20 IMPACT OF TRANSCATHETER AORTIC VALVE REPLACEMENT ON SHORT AND LONG-TERM KIDNEY FUNCTION

**J. Aoun, C. Zahm, T. Bhat, S. Lahsaei, J.P. Carrozza**

Saint Elizabeth’s Medical Center, Brighton, MA, USA

#### 21 THE SAFETY AND FEASIBILITY OF A NOVEL CLOSURE TECHNIQUE IN TRANSCATHETER AORTIC VALVE REPLACEMENT

**G.A. Medranda, R. Schwartz, S. Green**

NYU Winthrop Hospital, Mineola, NY, USA
P104  CARDIAC SURGERY AND MECHANICAL CIRCULATORY SUPPORT

Board No Abstract No.

22  REVERSE-U-AORTOTOMY (KIRALI INCISION) IS SAFE FOR AORTIC VALVE REPLACEMENT O. Altas, T. Ozer, M. Ozgur, S. Sarikaya, K. Kirali Kosuyolu Heart Training and Research Hospital, Istanbul, Turkey 048

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 J. Kewcharoen, C. Techourueangwiwat, T. Limjaroen, A. Ariyachaipanich Chulalongkorn University, Bangkok, Thailand. 049

24  EFFECT OF PLEURAL INTEGRITY DURING ITA HARVESTING ON POSTOPERATIVE RESPIRATORY FUNCTIONS AFTER CARDIAC SURGERY O. Altas, O. Yerlikhan, M. Aksut, T. Ozer, D. Gunay, A. Karakoc, K. Kirali; Kosuyolu Heart Training and Research Hospital, Istanbul, Turkey 050

25  AN UNUSUAL CASE OF INTRACARDIAC FOREIGN BODY FOLLOWING A NECK INJURY; A CASE REPORT AND REVIEW OF LITERATURE M. Ghanim, S. Bsata, B. Campbell, G. Daly, A. Agnihotri, L. Tsao Saint Elizabeth Medical Center, Brighton, MA, USA 051

26  LATE ISCHEMIC COMPLICATION OF ATYPICAL BENTALL PROCEDURE, LEADING TO ACUTE MYOCARDIAL ISCHEMIA G. Jolly, A. Haidry, S. Pal, M. Hasan Khan, W. Aronow Westchester Medical Center, Valhalla, NY, USA 052

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 Y. Liu, D. Han, X. Li The First Affiliated Hospital of Xi’an Jiaotong University, Xi’an, China 053

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

29  QUALITY IMPROVEMENT IN POST HEART CATHETERIZATION CARE K. Gu, M. Katz, D. Chang, E. Randhawa, K. D’Mello, G. Ledley Drexel University College of Medicine, Philadelphia, PA, USA 055
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)  056
J.D. Marsh,  
University of Arkansas for Medical Sciences, Little Rock, AR, USA

14:15  STORE OPERATED Ca²⁺-CHANNEL BLOCKERS AS A POTENTIAL THERAPY FOR HYPERTENSION  (Invited Lecture)  057
N.S. Dhalla, St. Boniface Hospital Albrechtsen Research Centre, Winnipeg, MB, Canada

14:30  Cardiovascular Risk Factors: An Update  (Invited Lecture)  058
C. Chen, J. Lu, Q. Yao, Baylor College of Medicine, Houston, TX, USA

14:45  AGE-RAGE STRESS IN CARDIAC DISEASES  (Invited Lecture)  059
K. Prasad, University of Saskatchewan, Saskatoon, SK, Canada

15:00  HEMODYNAMIC MODULATION OF NON-PLATELET THROMBOXANE GENERATION  (Invited Lecture)  060
J. Rade, University of Massachusetts Medical School, Worcester, MA, USA

15:15  CLINICALLY RELEVANT INTERACTIONS BETWEEN CARDIOVASCULAR DRUGS, HERBALS AND FRUIT JUICES: MECHANISMS OF INTERACTIONS AND PRESCRIBING STRATEGIES  (Invited Lecture)  061
H. Buttar, University of Ottawa, Ottawa, Canada

15:30  ROLE OF NITRATES IN THE PREVENTION OF MYOCARDIAL ISCHEMIA ASSOCIATED WITH CARFILZOMIB INFUSION  (Invited Lecture)  062
T. Scarabelli, St John Hospital and Medical Center, Detroit, MI, USA

15:45  DECIPHERING THE ROLE OF MITOPHAGY-LYSOSOME DYSFUNCTION IN THE DIABETIC HEART  (Invited Lecture)  063
Q. Liang, S. Kobayashi, F. Zhao, Y. Huang, T. Kobayashi  
New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA

16:00  RAPAMYCIN PROTECTS DIABETIC RABBIT HEARTS AGAINST ISCHEMIA/REPERFUSION INJURY BY REGULATING PTEN-AKT SIGNALING  (Invited Lecture)  064
A. Das, A. Samidurai, R.C. Kukreja  
Virginia Commonwealth University, Pauley Heart Center, Richmond, VA, USA

16:15  COFFEE BREAK, VISIT EXHIBITION
FRIDAY, JULY 27, 2018

14:00 – 16:45  Hall B

PL 05  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)  065
M.A. Alpert
University of Missouri School of Medicine, Columbia, MO, USA

14:15  PROARRHYTHMIC SUBCELLULAR SIGNALING IN ATRIAL FIBRILLATION: ROLE OF CALCIUM DEPENDENT POTASSIUM CHANNELS  (Invited Lecture)  066
D. Dobrev
University Duisberg-Essen, Essen, Germany

14:30  TOWARDS A COMPLETE TRUE HYBRID TREATMENT OF ATRIAL FIBRILLATION  (Invited Lecture)  067
S. Gelsomino
CARIM Scholl for Cardiovascular Diseases, University of Maastricht, Maastricht, The Netherlands

14:45  MANAGEMENT OF ATRIAL FIBRILLATION IN THE ELDERLY PATIENT  (Invited Lecture)  068
A. Kumar, V. Mohan
Adarsh Heart and Super Specialty Hospital, Amristar, India

15:00  UNUSUAL ARRHYTHMIC CAUSES OF SYNCOPE  (Invited Lecture)  069
H.P. Paydak
University of Arkansas for Medical Science, Little Rock, AR, USA

15:15  VALIDATION OF THE INDICATION FOR IMPLANTABLE CARDIOVERTER DEFIBRILLATOR IN BRUGADA SYNDROME IN THE J WAVE SYNDROMES CONSENSUS CONFERENCE  (Invited Lecture)  070
M. Takagi
Kansai Medical University Medical Center, Moriguchi, Japan

15:30  DANTROLENE, A RYANODINE RECEPTOR STABILIZER, REDUCES ATRIAL FIBRILLATION IN HEART FAILURE  (Invited Lecture)  071
C. Nofi, K. Zhang, Y.-D. Tang, Y. Li, A. Migirov, K. Ojamaa, A. Gerdes, Y. Zhang
New York Institute of Technology College of Osteopathic Medicine, Old Westbury, NY, USA
**FRIDAY, JULY 27, 2018**

14:00 – 16:45  |  HALL B  

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker(s)</th>
<th>Institution</th>
<th>Abstract No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:45</td>
<td>PL05</td>
<td>CARDIAC ARRHYTHMIAS: CAUSES, SYMPTOMS, DIAGNOSIS AND TREATMENT (continued)</td>
<td>RADIOFREQUENCY ABLATIVE MODIFICATION OF THE AV NODE FOR THE TREATMENT OF ATRIAL FIBRILLATION: EXPLORING THE VALUE OF AN OLD TECHNIQUE</td>
<td>J. Gimbel</td>
<td>072</td>
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<td>Columbia-St. Mary’s Hospital System-Ascension, Milwaukee, WI, USA</td>
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<tr>
<td>16:00</td>
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<td>UP-TO-DATE MANAGEMENT OF ATRIAL TACHYARRHYTHMIAS IN ADULT CONGENITAL HEART DISEASE</td>
<td>A. Kamp</td>
<td>Nationwide Children’s Hospital and The Ohio State University, Columbus, OH, USA</td>
<td>073</td>
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<tr>
<td>16:15</td>
<td></td>
<td>HIS BUNDLE PACING</td>
<td>A. Deshmukh</td>
<td>Mayo Clinic, Rochester, MN, USA</td>
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<td>16:30</td>
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<td>THE RISK PREDICTORS OF COMPLICATIONS OF PULMONARY VEIN ISOLATION</td>
<td>T.J. Matsubara, K. Fujiu, G. Oguri, E. Hasumi, T. Kojima, I. Komuro</td>
<td>The University of Tokyo, Tokyo, Japan</td>
<td>074</td>
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<td>16:45</td>
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<td>COFFEE BREAK, VISIT EXHIBITION</td>
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FRIDAY, JULY 27, 2018

14:00 - 16:15  Hall C

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)  075
T. Tomaru, T. Matsubara, E. Matsubara
Heisei Yokohama Hospital, Yokohama, Japan

14:15  GENETICS OF THORACIC AORTIC ANEURYSM 2018  (Invited Lecture)  076
J.A. Elefteriades
Yale University School of Medicine, Aortic Institute at Yale-New Haven, New Haven, CT, USA

14:30  ADIPOCYTES PROMOTE IL18 BINDING TO ITS RECEPTORS DURING ABDOMINAL AORTIC ANEURYSM FORMATION IN MICE  (Invited Lecture)  077
G.-P. Shi, Brigham and Women’s Hospital, Boston, MA, USA

14:45  POTENTIAL MOLECULAR TARGETS FOR PREVENTION OF PROGRESSION OF ABDOMINAL AORTIC ANEURYSM  (Invited Lecture)  078
The Hebrew University of Jerusalem, Jerusalem, Israel

15:00  SEX DIFFERENCES IN PERIPHERAL ARTERIAL DISEASE: DIAGNOSIS, SYMPTOMS AND TREATMENT  (Invited Lecture)  079
J. Regensteiner
University of Colorado, School of Medicine, Aurora, CO, USA

15:15  ANTIPLATELET THERAPY FOR PERIPHERAL INTERVENTIONS: AN UPDATE FOR 2018  (Invited Lecture)  080
R. Khouzam, M. Ibrahim
University of Tennessee Health Science Center, Memphis, TN, USA

15:30  DOAC IN CANCER PATIENTS: VENOUS THROMBOEMBOLISM AND ATRIAL FIBRILLATION  (Invited Lecture)  081
N. Maurea
Istituto Nazionale Tumori, IRCCS, Fondazione G. Pascale, Naples, Italy

15:45  CURRENT STATUS OF PATHOPHYSIOLOGY AND THERAPY OF PERIPHERAL ARTERY DISEASE  (Invited Lecture)  082
S. Bhullar, N.S. Dhalla
St. Boniface Hospital, University of Manitoba, Winnipeg, MB, Canada

16:00  FILTERING THE EVIDENCE: UPDATES ON IVC FILTERS  (Invited Lecture)  083
B. Bikdeli, Columbia University Medical Center, New York, NY, USA

16:15  COFFEE BREAK, VISIT EXHIBITION
FRIDAY, JULY 27, 2018

16:45 – 19:00

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

16:45
Na+-H+ EXCHANGER 1 DEFICIENCY PROTECTS ANGIOTENSIN
II-INDUCED ABDOMINAL AORTIC ANEURYSM IN APOLIPOPROTEIN
E-DEFICIENT MICE
C.-L. Liu, G. Sukhova, P. Libby, G.-P. Shi
Brigham and Women’s Hospital, Boston, MA, USA

17:00
THE EFFECT OF HYPOXIA PRE-TREATMENT ON STEM CELL BIOLOGY
V. Ramaswamy, F. Franchi, K.M. Peterson, R. Paulmurugan, M.G. Rodriguez-Porcel
Mayo Clinic, Rochester, MN, USA

17:15
ATTENUATION OF ENDOPLASMIC RETICULUM STRESS BY
4-PHENYL BUTYRIC ACID PROMOTES THE FUNCTIONAL SURVIVAL AND
THERAPEUTIC EFFICACY OF BONE MARROW-DERIVED MESENCHYMAL
STEM CELLS FOR HEART REPAIR
D. Han, J.-W. Chen, F. Cao, Chinese PLA General Hospital, Beijing China

17:30
AN INSIGHT INTO THE ROLE OF EXTRACELLULAR MATRIX IN
DETERMINING THE SITE OF AORTIC ANEURYSM, TAA VERSUS AAA
Z. Kassiri, University of Alberta, Edmonton, AB, Canada

17:45
IMPORTANCE OF THE MYOCARDIAL MICROENVIRONMENT IN THE
BIOLOGY TRANSPLANTED MESENCHYMAL STEM CELLS
F. Franchi, V. Ramaswamy, K.M. Peterson, P. Ramasamy, M.G. Rodriguez-Porcel
Mayo Clinic, Rochester, MN, USA

18:00
CRUCIAL ROLE OF PI3-KINASE GAMMA IN VASCULAR SMOOTH MUSCLE
CELL PROLIFERATION AND NEOINTIMA FORMATION BY REGULATING
Skp2 AND p27(kip1)
J. Li, S. Liu, M. Wang, R. Jin, Hearshey High School, Hershey, PA, USA

18:15
CARDIAC TARGETING PEPTIDE: STUDIES INTO MECHANISM OF
TRANSDUCTION
K. Feldman, T. Feinstein, M. Zahid, University of Pittsburgh, Pittsburgh, PA, USA

18:30
SLC3A2 IS A NOVEL ER STRESS-RELATED SIGNALING PROTEIN THAT
REGULATES BOTH UPR AND APOPTOSIS IN CARIDIOMYOCYTES
C. Liu, X. Li, C. Li, Y. Tian, K. He
Translational Medicine, Beijing, China

18:45
CALCIUM CHANNEL BLOCKERS: A MULTIPURPOSE APPROACH
N. Motayagheni, A. Atala
Wake Forest University, Winston Salem, NC, USA

Abstract No.
FRIDAY, JULY 27, 2018

16:45 – 19:30

Hall B

S22 Session
HYPERTENSION, LIPIDS, DIABETES MELLITUS AND CARDIOVASCULAR DISEASE – FROM BENCH TO BEDSIDE

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

16:45 FUNCTIONAL INACTIVATION OF MAST CELL ENHANCES SUBCUTANEOUS ADIPOSE TISSUE BROWNING THROUGH SEROTONIN IN MICE
X. Zhang, X. Wang, J. Liu, G.-P. Shi
Brigham and Women’s Hospital and Harvard Medical School, Boston, MA, USA

17:00 CARDIOVASCULAR OUTCOMES OF AMLODIPINE-BASED COMBINATION THERAPIES IN HIGH-RISK HYPERTENSIVE PATIENTS
P.P. Lu, 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
Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China

17:15 SEASONAL VARIATIONS IN BLOOD PRESSURE, NEUTROPHIL-LYMPHOCYTE RATIO AND WHITE BLOOD CELL COUNT IN A LARGE POPULATION OF PATIENTS WITH END STAGE RENAL DISEASE
A. Long, Z. Terner, J. Larkin, M. Reviriego-Mendoza, L. Usvyat, Y. Wang,
P. Kotanko, F.W. Maddux
Fresenius Medical Care North America, Waltham, MA, USA

17:30 DIRECT VERSUS CALCULATED LDL CHOLESTEROL AND C REACTIVE PROTEIN IN CARDIOVASCULAR DISEASE RISK ASSESSMENT IN THE FRAMINGHAM OFFSPRING STUDY
H. Ikezaki, V.A. Fisher, C.-T. Liu, K. Nakajima, B.F. Asztalos, N. Furusyo,
J. Hayashi, L. Cupples, E.J. Schaefer
HNRCA at Tufts University, Boston, MA, USA

17:45 ADIPOSE TISSUE SURFACE-EXPRESSION OF LDLR AND CD36; LINK TO RISK FACTORS FOR TYPE 2 DIABETES IN NORMOCHOLESTEROLEMIC SUBJECTS
S. Bissonnette, Y. Cyr, V. Lamantia, V. Provost, G. Maye, M. Chretien, M. Faraj
University of Montréal/ Clinical Research Institute of Montréal (IRCM), Montréal, QC, Canada

18:00 PESSIMISTIC OUTLOOK IN ADOLESCENCE INCREASES RISK FOR OBESITY AND HYPERTENSION IN EARLY ADULTHOOD
K. Anand, S. Rajendran, S. Srinivas, A. Chockalingam
University of Missouri, Columbia, MO, USA
### S22 Session

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>18:45</td>
<td>PREDICTORS OF CORONARY ARTERY DISEASE IN PATIENTS WITH HYPERTENSIVE EMERGENCY WITH ELEVATED CARDIAC BIOMARKERS</td>
<td>101</td>
<td>M. Rodriguez Ziccardi, J. Penalver, S. Basharat, C. Nwakile Einstein Medical Center, Philadelphia, PA, USA</td>
</tr>
<tr>
<td>19:00</td>
<td>ROLE OF EPICARDIAL ADIPOSE TISSUE IN ATHEROSCLEROSIS ASSOCIATED WITH OBESITY</td>
<td>102</td>
<td>M. Addula Creighton University, Omaha, NE, USA</td>
</tr>
<tr>
<td>19:15</td>
<td>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</td>
<td>103</td>
<td>S. Banga, S. Pendyala, T.J. Kizhakekuttu OSF Saint Francis Medical Center, University of Illinois College of Medicine at Peoria, Peoria, IL, USA</td>
</tr>
</tbody>
</table>
FRIDAY, JULY 27, 2018

16:45 - 19:15  Hall C

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

16:45  INITIAL INTRAVASCULAR ULTRASOUND IN THE EVALUATION OF
CARDIAC TRANSPLANT VASCULOPATHY WITHOUT A ROUTINE EARLY
BASELINE STUDY HAS PROGNOSTIC VALUE
R. Arsanjani, M. Hashemzadeh, M.R. Movahed
Mayo Clinic, Scottsdale, AZ, USA

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
F. He, S. Li, Z. Feng
Fuwai Hospital, Beijing, China

17:15  PATIENTS’ PREFERENCES FOR CORONARY BYPASS GRAFTING OR
STAGED PERCUTANEOUS CORONARY INTERVENTION IN MULTI-VEssel
CORONARY ARtery DISEASE
M.-A. Ohlow, A. Farah
Zentralklinik, Bad Berka, Germany

17:30  A PROPENSITY SCORE MATCHED STUDY OF ON PUMP AND OFF PUMP
CORONARY ARTERY BYPASS SURGERY
Y. Toyoda, M.A.K. Kashem
Lewis Katz School of Medicine at Temple University, Philadelphia, PA, USA

17:45  MIDTERM COMPARISON OF ANNULOPLASTY RINGS IN ISOLATED
MITRAL VALVE REGURGITATION
O. Altas, O. Yerlikhan, M. Ozgur, A. Karakoc, K. Kirali
Kosuyolu Heart Training and Research Hospital, Istanbul, Turkey

18:00  MISPLACED PACEMAKER LEAD DUE TO A PARTIAL ANOMALOUS
PULMONARY VENOUS CONNECTION
B. Gheyath, R. Kaul, A. Aggarwal, M. Summers, M. Abdallah, D. Majdalany
Cleveland Clinic Foundation, Cleveland, OH, USA

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
C. Techorueangwiwat, S. Sinphurmsukkul, P. Ongcharit, K. Thammanatsakul,
W. Polsawat, S. Siwamogsatham, S. Puwanant, V. Benjacholamas,
A. Ariyachaipanich
Chulalongkorn University, Bangkok, Thailand
FRIDAY, JULY 27, 2018

16:45 – 19:15 Hall C

S23 Oral Session
ADVANCES IN CARDIAC SURGERY: CONGENITAL HEART DISEASE / CORONARY REVASCUULARIZATION / MECHANICAL CIRCULATORY SUPPORT / HEART TRANSPLANTATION (continued)

18:30 SURGICAL TREATMENT OF PRIMARY BENIGN RIGHT VENTRICULAR TUMORS: A 10-YEAR SINGLE-CENTER STUDY
E. Qiao
Peking Union Medical College, Chinese Academy of Medical Sciences, Fuwai Hospital, Beijing, China

18:45 VASOACTIVE AGENT EXPOSURE PRIOR TO ACUTE MECHANICAL CIRCULATORY SUPPORT FOR CARDIOGENIC SHOCK IS ASSOCIATED WITH END ORGAN DYSFUNCTION AND MORTALITY
Tufts Medical Center, Boston, MA, USA

19:00 ANOMALOUS CORONARIES IN CHILDREN PRESENT WITH GENDER DIFFERENCES DISSIMILAR TO ADULTS
B. Robinson, C. Baird, F. Pigula
Patients’ Precision Clinic BR Health for You, LLC.; Children’s Hospital Boston, Boston, MA, USA
## FRIDAY, JULY 27, 2018  
13:30 – 18:30  
Poster Hall

### P201 ACUTE ISCHEMIC STROKE

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>114</td>
<td>INFLAMMATORY CYTOKINES, IL-1 AND TNF-A, ARE CLUE FOR DETERMINING STROKE ETIOLOGY WITH THE SUSCEPTIBILITY VESSEL SIGN ON MRI</td>
<td>H.-S. Kim, M.-S. Park, E.-H. Kim, J.-T. Park, W. Yoon</td>
<td>Chonnam National University Med. School, Gwangju, Republic of Korea</td>
</tr>
<tr>
<td>2</td>
<td>115</td>
<td>CEREBRAL INFARCTION IS ASSOCIATED WITH MULTIPLE RISK FACTORS IN PATIENTS WITHOUT SEVERE CAROTID SCLEROSIS</td>
<td>E. Matsubara, T. Matsubara, T. Tomaru</td>
<td>Tokyo University Hospital, Tokyo, Japan</td>
</tr>
<tr>
<td>3</td>
<td>116</td>
<td>FINDING CLOSURE AFTER CRYPTOGENIC STROKE</td>
<td>M. Patel, A. Goud, A. Patel, A. Mukherjee, P. Sethi, R. Pai</td>
<td>University of California, Riverside, Alta Loma, CA, USA</td>
</tr>
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### P202 PERIPHERAL ARTERY DISEASE AND AORTIC DISEASE

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>117</td>
<td>RETAINED AORTIC MISSILE: A CASE OF A PARTIALLY EMBEDDED BULLET IN THE DESCENDING AORTA</td>
<td>D. Hill, A. Einhorn</td>
<td>Orlando Health, Orlando, FL, USA</td>
</tr>
<tr>
<td>5</td>
<td>118</td>
<td>A RARE CASE OF MYOCARDIAL ISCHEMIA CAUSED BY DESCENDING AORTA TO RIGHT INFERIOR PULMONARY ARTERY FISTULA</td>
<td>T.-H. Wu, C.-J. Wu</td>
<td>Veterans General Hospital- Kaohsiung, Taiwan, Kaohsiung, Taiwan</td>
</tr>
<tr>
<td>6</td>
<td>119</td>
<td>COMMERCIAL PERIPHERAL ARTERIAL DISEASE SCREENING OUTSIDE THE SCOPE OF ESTABLISHED GUIDELINES</td>
<td>H. Hirzallah, A. Mallad, A. Amro, D. Kusmic, M. El-Hamdani</td>
<td>Marshall University Joan C. Edwards School of Medicine., Huntington, WV, USA</td>
</tr>
<tr>
<td>7</td>
<td>120</td>
<td>USE OF OPTICAL COHERENCE TOMOGRAPHY IN TREATING A CHRONIC TOTAL OCCLUSION FROM A VIETNAM WAR INJURY</td>
<td>B. Horn, J. George</td>
<td>Einstein Medical Center, Philadelphia, PA, USA</td>
</tr>
</tbody>
</table>
FRIDAY, JULY 27, 2018

13:30 – 18:30  Poster Hall

**P203 HEART FAILURE: DIAGNOSIS AND MANAGEMENT**

<table>
<thead>
<tr>
<th>Board No.</th>
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<tbody>
<tr>
<td>8</td>
<td>121</td>
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<td>129</td>
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</tr>
</tbody>
</table>

**8 KIDNEY DYSFUNCTION IN PATIENTS RECEIVING PERCUTANEOUS LEFT VENTRICULAR ASSIST DEVICE**

H. Aboud, S. Sutchu, A. Kazory
University of Florida, Gainesville, FL, USA

**9 LEARNING NEEDS OF PATIENTS WITH DIASTOLIC HEART FAILURE**

J.-A. Ahn, J.-S. Park, P.-K. Min
Ajou University, Suwon, Republic of Korea

**10 FAMILIAL AMYLOID CARDIOMYOPATHY: A CASE SERIES**

A.C. Atanda, O. Atanda, E. Mbey, O. Omole, D. Ugwendum, T. Ogundipe, B. Curry, O. Akinboboye
Howard University Hospital, Washington, DC, USA

**11 FACTORS AFFECTING LENGTH OF STAY AND TIME TO READMISSION IN A RETROSPECTIVE HEART FAILURE READMISSION COHORT**

J. Aoun, S. Khare, M. Ghanim, G. Yesodharan, M. Afari, S. Hedge, L. Tsao
Saint Elizabeth’s Medical Center, Brighton, MA, USA

**12 LUNG INFILTRATES IN A PATIENT ON BORTEZOMIB - NOT ALWAYS PNEUMONIA**

S. Basharat, M. Rodriguez Ziccardi, M. Bandres, A. Pop
Albert Einstein Medical Center, Philadelphia, PA, USA

**13 INHALED RACEMIC EPINEPHRINE AS A TRIGGER FOR TAKOTSUBO CARDIOMYOPATHY**

M. Ghanim, M. Almnajam, S. Khare, M.E. Afari, M. Khan
Saint Elizabeth Medical Center, Brighton, MA, USA

**14 PREMATURE MYOCARDIAL INFARCTION AS THE PRESENTING SIGN OF HYPERCOAGULABLE SYNDROME**

Rutgers-Robert Wood Johnson Medical School, New Brunswick, NJ, USA

**15 STRESS CARDIOMYOPATHY: LOOK AT THE URINE!**

S.A. Raza, S. Haley, L. Hunter, F. Raza
Methodist Health System- Dallas, Dallas, TX, USA

**16 CANNABIS INDUCED BASAL-MID VENTRICULAR STRESS CARDIOMYOPATHY**

S.J. Meera, S. Vallabhaneni, R. Aurshiya, S. Pakniyat, J. Shirani
St. Luke’s University Health Network, Bethlehem, PA, USA

**17 UTILIZATION OF BIOIMPEDANCE SPECTROSCOPY IN LIEU OF INVASIVE MONITORING FOR MONITORING FLUID OVERLOAD**

A.A. Accardi, J.T. Heywood
Scripps Memorial Hospital, Encinitas, CA, USA
## FRIDAY, JULY 27, 2018

**13:30 – 18:30 Poster Hall**

### P204 DILATED CARDIOMYOPATHY

<table>
<thead>
<tr>
<th>Board No</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>131</td>
<td>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</td>
<td><strong>M. Maliwat</strong>, B. Alimurung, G. Lopez, V. Zarza-Geron</td>
<td>Makati Medical Center, Makati City, Philippines</td>
</tr>
<tr>
<td>19</td>
<td>132</td>
<td>PERI-MYOCARDITIS IN A PATIENT WITH COINFECTION OF MYCOPLASMA AND COXSAKIE B LEADING TO DILATED CARDIOMYOPATHY</td>
<td><strong>D. Zakri</strong>, J. Saurez, Y. Braver</td>
<td>Brandon Regional Hospital, Brandon, FL, USA</td>
</tr>
</tbody>
</table>

### P205 HYPERTROPHIC CARDIOMYOPATHY

<table>
<thead>
<tr>
<th>Board No</th>
<th>Abstract No.</th>
<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>134</td>
<td>IMPACT OF CONTEMPORARY TREATMENT STRATEGIES ON PATIENTS WITH EXTREME HYPERTROPHIC CARDIOMYOPATHY PHENOTYPE</td>
<td><strong>M.D. Romashko</strong>, B.J. Maron, W. Wang, H. Rastegar, M.S. Maron, E.J. Rowin</td>
<td>Tufts Medical Center, Boston, MA, USA</td>
</tr>
<tr>
<td>22</td>
<td>135</td>
<td>UNUSUAL CAUSES OF RESOLUTION OF LVOT OBSTRUCTION IN HYPERTROPHIC CARDIOMYOPATHY</td>
<td><strong>R. Aurshiya</strong>, S. Meera, S. Pakniyat, J. Shirani</td>
<td>St. Luke’s University Health Network, Bethlehem, PA, USA</td>
</tr>
<tr>
<td>23</td>
<td>136</td>
<td>MYOCARDIAL ISCHEMIA CAUSED BY SINGLE CORONARY ARTERY IN HYPERTROPHIC CARDIOMYOPATHY</td>
<td><strong>A. Sinha</strong>, R. Kumar, <strong>J. Shirani</strong></td>
<td>St. Luke’s University Health Network, Bethlehem, PA, USA</td>
</tr>
<tr>
<td>24</td>
<td>137</td>
<td>MARKED REGRESSION OF LVH IN FAMILIAL HYPERTROPHIC CARDIOMYOPATHY FOLLOWING BARIATRIC SURGERY AND SUBSTANTIAL WEIGHT LOSS</td>
<td><strong>S. Meera</strong>, R. Aurshiya, S. Vallabhaneni, S. Pakniyat, J. Shirani</td>
<td>St. Luke’s University Health Network, Bethlehem, PA, USA</td>
</tr>
</tbody>
</table>
### FRIDAY, JULY 27, 2018

**13:30 – 18:30**  
Poster Hall

<table>
<thead>
<tr>
<th>P205</th>
<th>HYPERTROPHIC CARDIOMYOPATHY (continued)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Board No</td>
<td>Abstract No.</td>
</tr>
</tbody>
</table>
| 25 | A CASE OF CONSTRICTIVE CARDIOMYOPATHY IN FAMILIAL AMYLOIDOSIS  
R. Shah, J. Uribe, G. Velasquez, P. Taylor, Orlando Health, Orlando, FL, USA |
| 26 | PERSISTENT ST ELEVATION: HYPERTROPHIC CARDIOMYOPATHY RARELY DISCUSSED  
M. Khattab, J.R. Martinez Parachini, A. Ul Haq, E. Mora Garzon, E.P. Ngo University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA |

<table>
<thead>
<tr>
<th>P206</th>
<th>PERICARDIAL DISEASE</th>
</tr>
</thead>
</table>
| 27 | A PATIENT WITH A LARGE PERICARDIAL MASS  
A. Sustar, D. Javoran, University Hospital Centre, Rijeka, Croatia |
| 28 | PERICARDIAL EFFUSION IN A NON-HIV PATIENT AS A HARBINGER FOR A RARE PRIMARY EFFUSION LYMPHOMA  
S. Basharat, M. Rodriguez Ziccardi, M. Bandres, A. Pop Albert Einstein Medical Center, Philadelphia, PA, USA |
| 29 | UNILATERAL PLEURAL EFFUSION: AN UNUSUAL PRESENTATION OF DRESSLER’S SYNDROME SECONDARY TO PCI  
N. Shah, R. Pansare, Internal Medicine, St Mary Mercy Hospital, Livonia, MI, USA |

<table>
<thead>
<tr>
<th>P207</th>
<th>CARDIOVASCULAR DISEASE IN PATIENTS WITH CHRONIC KIDNEY DISEASE</th>
</tr>
</thead>
</table>
| 30 | THE ROLE OF SEMAPHORIN-3C (SEMA3C) IN INTERPLAY BETWEEN RENAL EPITHELIAL-ENDOTHELIAL CELLS DURING CYST DEVELOPMENT IN POLYCYSTIC KIDNEY DISEASE  
J. Park, E. Lee, Sookmyung Women’s University, Seoul, Republic of Korea |
| 31 | NEGATIVE MULTIPLICATION EFFECT OF KIDNEY DYSFUNCTION ON NON VALVULAR ATRIAL FIBRILLATION  
M. Zeeshan, R. Ayinla, T. Ahmad Penn State Hershey Medical Center, Hershey, PA, USA |
| 32 | RENAL ARTERY STENOSIS PRESENTED WITH SUDDEN FLASH PULMONARY EDEMA IN A PATIENT WITH SINGLE KIDNEY  
J. Choi, Y. Kim Uijeoungbu St. Mary’s Hospital, Gyeonggi-do, Republic of Korea |

<table>
<thead>
<tr>
<th>P208</th>
<th>EXERCISE PHYSIOLOGY, EXERCISE TESTING</th>
</tr>
</thead>
</table>
| 33 | EFFECTS OF A YOGA INTERVENTION IN REDUCING JOB STRESS AND CARDIOVASCULAR DISEASE RISK FACTORS  
W.J. Hwang, J. Ha, J. Kim Kyung Hee University, Seoul, Republic of Korea |
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, S-Y. Chen
University of Georgia, Athens, GA, USA 147

08:45  microRNAs IN CARDIOVASCULAR REMODELING AND DISEASE  
(Invited Lecture)
D.-Z. Wang, Boston Children's Hospital, Boston, MA, USA 148

09:00  MECHANISM OF CARDIOVASCULAR REMODELING IN HEART FAILURE  
(Invited Lecture)
S.C. Tyagi, University of Louisville School of Medicine, Louisville, KY, USA 149

09:15  REGULATION OF ANGIOGENIC RESPONSE IN DIABETIC MYOCARDIUM  
(Invited Lecture)
N. Maulik, 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)
J.L. Mehta, 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. Dawn, University of Nevada, Las Vegas, NV, USA 152

10:00  MULTI-FACETED CONTRIBUTION OF TIMPs TO MYOCARDIAL  
REMODELING  (Invited Lecture)
Z. Kassiri, 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, F. Gao
The Fourth Military Medical University, Xian, China 154

10:30  PREVENTION OF MYOCARDITIS/DCM USING REGENERATIVE  
MEDICINE THERAPY  (Invited Lecture)
D. Fairweather, 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 INSPOINTEOUSLY HYPERTENSIVE RATS  (Invited Lecture)
M.B. Anand-Srivastava, University of Montreal, Montreal, QC, Canada 156

11:00  COFFEE BREAK, VISIT POSTERS AND EXHIBITION
SATURDAY, JULY 28, 2018

08:30 – 11:00  Hall B

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

08:30  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

R. Patel, S. Banga, J. Patel, M. Barzallo, S. Mungee
University of Illinois College of Medicine-Peoria/OSF Healthcare, Bloomington, IL, USA

08:45  A NOVEL AUTOLOGOUS TISSUE-ENGINEERED HEART VALVE FOR TRANSCATHETER IMPLANTATION

Y. Takewa, Y. Nakayama, J. Shimamura, E. Tatsumi
National Cerebral and Cardiovascular Center, Osaka, Japan

09:00  THE EMERGING ROLE OF CIRCULATING AND URINARY BIOMARKERS IN THE ASSESSMENT OF ADULTS WITH CONGENITAL HEART DISEASE (Invited Lecture)

A.R. Opotowsky
Boston Children’s and Brigham & Women’s Hospitals, Boston, MA, USA

09:15  GENETICS OF VALVE DISEASES (Invited Lecture)

R. Durst
Hadassah Hebrew University Medical Center, Jerusalem, Israel

09:30  NHLBI WORKING GROUP RECOMMENDATIONS ON CALCIFIC AORTIC VALVE DISEASE: THE CHAIRMAN’S PERSPECTIVE (Invited Lecture)

N.M. Rajamannan
Mayo Clinic, Rochester, MN, and Most Sacred Heart of Jesus Cardiology and Valvular Institute, Sheboygan WI, Corvita, Chicago IL, USA

09:45  FRAILTY AND CLINICAL OUTCOMES OF TRANSCATHETER AORTIC VALVE REPLACEMENT (Invited Lecture)

A. Cheema
St. Michael’s Hospital, Toronto, ON, Canada

10:00  AORTIC REGURGITATION; ASSESSMENT OF ETIOLOGY & SEVERITY: IS IT STILL A CHALLENGE? (Invited Lecture)

H.P. Chaliki
Mayo Clinic, Scottsdale, AZ, USA
### SATURDAY, JULY 28, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Abstract No.</th>
<th>Details</th>
</tr>
</thead>
</table>
| 10:15 | TRICUSPID REGURGITATION - CURRENT AND EMERGING THERAPIES (Invited Lecture) | 164          | S. Singh  
Cedars-Sinai Heart Institute, Los Angeles, CA, USA |
| 10:30 | NON-INVASIVE DIAGNOSTIC DILEMMA FOR LOW FLOW LOW GRADIENT AORTIC STENOSIS (Invited Lecture) | 165          | S. Rasla  
St Vincent Hospital, Boston, MA, USA |
Albany Medical College, Albany, NY, USA |
<p>| 11:00 | COFFEE BREAK, VISIT POSTERS AND EXHIBITION |              |         |</p>
<table>
<thead>
<tr>
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</tr>
</thead>
</table>
| 08:30      | AN ASSOCIATION BETWEEN RENAL FUNCTION ONE YEAR AFTER KIDNEY TRANSPLANT AND INCIDENTAL PERICARDIAL EFFUSION  
J. Muste, E. Pashkovetsky, S. Wang, R. Lopez-Soler, D. Conti, M. Torosoff, R. Lyubarova  
Albany Medical College, Albany, NY, USA | 167          |
| 08:45      | PARADOXICAL SINUS DECELERATIONS DURING DOBUTAMINE STRESS TESTING  
S. Vallabhaneni, R. Aurshiya, S. Agrawal, L. Stone, R. Silmi, S. Pakniyat, S. Nanda, J. Shirani  
St Luke’s University Health Network, Bethlehem, PA, USA | 168          |
| 09:00      | PEDIATRIC PATIENTS HAVE PRESERVED LEFT VENTRICULAR LONGITUDINAL STRAIN EARLY AFTER HEMATOPOIETIC STEM CELL TRANSPLANTATION DESPITE EXPOSURE TO CARDIOTOXIC AGENTS  
N. Ray Chaudhuri, C. Ebens, A. Sanchez Mejia  
University of Minnesota, Saint Paul, MN, USA | 169          |
| 09:15      | COMPARISON OF THE 2009 AND 2016 AMERICAN SOCIETY OF ECHOCARDIOGRAPHY(ASE) GUIDELINES FOR DIASTOLOGY ASSESSMENT  
S.M. Hussain, B.J. Hachey, C. Ahmed, A. Altamiranoufion, S. Danciu  
Advocate Illinois Masonic Medical Center, Chicago, IL, USA | 170          |
| 09:30      | NONINVASIVE ASSESSMENT OF CENTRAL VENOUS PRESSURE USING CONTINUOUS FLOW FROM THE INFERIOR VENA CAVA INTO RIGHT ATRIUM  
R. Ranjan, E.J. Friend, V. Figueroedo, G.S. Pressman, N. Schiller  
Einstein Healthcare Network, Philadelphia, PA, USA | 171          |
| 09:45      | PREVALENCE AND THE DETERMINANTS OF A-WAVE DOMINANT PATTERN IN PATIENTS WITH SEVERE MITRAL REGURGITATION  
K.R. Kolla, N. Qureshi, H.P. Chaliki  
Mayo Clinic, Scottsdale, AZ, USA | 172          |
| 10:00      | USE OF CONTRAST AGENTS TO ENHANCE IMAGE QUALITY IN 2 D ECHOCARDIOGRAPHY FOR STRAIN ANALYSIS  
I. Baig, S. Nanavaty, A. Sothwal, A. Alsaid, T. Bauch  
University, Geisinger Medical Center, Danville, PA, USA | 173          |
| 10:15      | ADVANCES IN MULTIMODALITY CARDIOVASCULAR IMAGING OF PERICARDIAL CONDITIONS (Invited Lecture)  
B. Xu, S.C. Harb, A.L. Klein  
Cleveland Clinic, Cleveland, OH, USA | 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
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)
W.S. Aronow
Westchester Medical Center/New York Medical College, Valhalla, NY, USA

11:30 NON-STEROIDAL ANTI-INFLAMMATORY DRUGS (NSAIDS): 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 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
SATURDAY, JULY 28, 2018

11:15 – 13:15 Hall A

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

12:00 ROLE OF THE NOVEL ADIPOKINE IN CARDIOVASCULAR DISEASE
(Invited Lecture)
N. Ouchi
Nagoya University Graduate School of Medicine, Nagoya, Japan

12:15 DOES CARDIORESPIRATORY FITNESS MODULATE THE INCIDENCE OF TYPE 2 DIABETES IN PATIENTS ON STATIN THERAPY (Invited Lecture)
P. Kokkinos
Veterans Affairs Medical Center and Georgetown University School of Medicine, Washington, DC, USA

12:30 MANAGEMENT OF METABOLIC SYNDROME AND ATHEROSCLEROSIS IN MULTIPLE MOUSE MODELS OF HUMAN TYPE II DIABETES AND HEART DISEASE (Invited Lecture)
S.B. Chatterjee
Johns Hopkins University, Baltimore, MD, USA

12:45 CARDIOVASCULAR ACTIVATION DURING SOCIALLY EVALUATED COLD-PRESSOR TEST IS ASSOCIATED WITH CHANGES IN IMMUNE FUNCTION BUT NOT WITH ACTIVATION OF STEROID STRESS HORMONES (Invited Lecture)
D. Jezova, K. Buzgoova, L. Balagova, D. Kapsdorfer, M. Marko, I. Riecansky
Biomedical Research Center, Slovak Academy of Sciences, Bratislava, Slovakia

13:00 PERINODAL ADIPOSE TISSUE PARTICIPATES IN IMMUNE PROTECTION THROUGH A LYMPHATIC VESSEL-INDEPENDENT ROUTE (Invited Lecture)
S. Liao
University of Calgary, Calgary, AB, Canada

13:15 LUNCH BREAK, VISIT POSTERS AND EXHIBITION
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)
         B.F. Uretsky, University of Arkansas for Medical Sciences, Little Rock, AR, USA

11:30   MYCOBACTERIUM CHIMAERA IN CARDIAC SURGERY  (Invited Lecture)
         L.P. Perrault, J. Tardif, P. Pagé, P. Demers, D. Roy
         Montreal Heart Institute, Montreal, QC, Canada

11:45   OCT-GUIDED PCI: PRESENT STATUS AND FUTURE PERSPECTIVES  (Invited Lecture)
         T. Akasaka, Wakayama Medical University, Wakayama, Japan

12:00   DIFFERENT MODULATION OF MIRNA BY CLOPIDOGREL AND TICAGRELOR IN PATIENTS WITH NSTEMI  (Invited Lecture)
         L. Biasucci, C. Mandolini, M.C. Grimaldi, G. Larosa
         Catholic University of Rome, Rome, Italy

12:15   THE RATIONALE FOR PERCUTANEOUS MECHANICAL CIRCULATORY SUPPORT IN CARDIOGENIC SHOCK AND PROTECTED PCI  (Invited Lecture)
         R. Sachdeva, Morehouse School of Medicine, Atlanta, GA, USA

12:30   CLINICAL FEASIBILITY OF A FULLY AUTOMATED 3D RECONSTRUCTION OF ROTATIONAL CORONARY X-RAY ANGIOGRAMS  (Invited Lecture)
         J.A. Garcia Fernandez, Orlando Health, Orlando, FL, USA

12:45   THE DISTAL LEFT RADIAL ARTERY ACCESS FOR CORONARY ANGIOGRAPHY AND INTERVENTION: A NEW ERA  (Invited Lecture)
         A. Lotfi, Medical Center, Springfield, MA, and Baystate Medical Center, Springfield, MA, USA

13:00   DEVELOPMENT OF A NOVEL AUTOLOGOUS HEART VALVE
         Y. Takewa, Y. Nakayama, J. Shimamura, E. Tatsumi
         National Cerebral and Cardiovascular Center, Osaka, Japan

13:15   A NOVEL CONCEPT IN REPAIR OF TETRALOGY OF FALLOT: PULMONARY ANNULUS Z-SCORE MAY NOT BE THE DETERMINANT FOR TRANSANNULAR PATCH ENLARGEMENT
         X. Jiang, Q. Wang, Peking Union Medical College, Fuwai Hospital, National Center for Cardiovascular Diseases and Chinese Academy of Medical Sciences, Beijing, China

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
<th>Institution(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:15</td>
<td>CONGENITAL HEART ABNORMALITIES ASSOCIATED WITH LOSS OF FUNCTION FILAMIN A GENE MUTATIONS</td>
<td>M. Chen, M. Hirata, C. Walsh, S. Choudhury</td>
<td>Boston Children’s Hospital, Boston, MA, Boston, MA, USA</td>
</tr>
<tr>
<td>11:30</td>
<td>POLYGENIC RISK FOR DEPRESSION INCREASES RISK FOR ISCHEMIC STROKE: FROM THE STROKE GENETICS NETWORK (SIGN) STUDY</td>
<td>S. Wassertheil-Smoller</td>
<td>Albert Einstein College of Medicine, New York, NY, USA</td>
</tr>
<tr>
<td>11:45</td>
<td>MITOPHAGY PLAYS A PROTECTIVE ROLE IN THE DIABETIC MOUSE HEART</td>
<td>F. Zhao, S. Kobayashi, T. Kobayashi, Y. Huang, Y. Zhang, Q. Liang</td>
<td>New York Institute of Technology, New York, NY, USA</td>
</tr>
<tr>
<td>12:00</td>
<td>EXOME SEQUENCING AND FUNCTIONAL ANALYSIS FOR PATIENTS WITH EARLY ONSET CARDIAC CONDUCTION-SYSTEM DISEASES</td>
<td>K. Hayashi, A. Nomura, Y. Asano, M. Beerens, Y. Kurata, N. Fujino, H. Tada, C. MacRae, S. Takashima, M. Yamagishi</td>
<td>Kanazawa University Graduate School of Medicine, Kanazawa, Japan</td>
</tr>
<tr>
<td>12:15</td>
<td>AGE-RELATED DOWNREGULATION OF SIRT6/NRF2 SIGNAL CONTRIBUTES TO THE DECREASED HEART ISCHEMIC TOLERANCE IN OLDER MICE</td>
<td>D. Han, J.-W. Chen, F. Cao, Chinese PLA General Hospital, Beijing, China</td>
<td></td>
</tr>
<tr>
<td>12:30</td>
<td>EXOGENOUS GDF11 PROTECTS AGAINST MYOCARDIAL ISCHEMIA-REPERFUSION INJURY VIA ATTENUATION OF TGF-β SIGNALING PATHWAY</td>
<td>H. Su, J.-C. Yen, S.-S. Huang, National Yang-Ming University, Taipei, Taiwan</td>
<td></td>
</tr>
<tr>
<td>12:45</td>
<td>SUBPROTEOMIC ANALYSIS OF CARDIOMYOPATHIC CHANGES IN X-LINKED MUSCULAR DYSTROPHY</td>
<td>S. Murphy, M. Zweyer, R.R. Mundegar, D. Swandulla, K. Ohlendieck</td>
<td>Maynooth University, Maynooth, Ireland</td>
</tr>
<tr>
<td>13:00</td>
<td>ALLICIN DISRUPTS CARDIAC CAV1.2 CHANNELS VIA TRAFFICKING</td>
<td>D. Han, J. Sun, X. Sun, P. Liu, Y. Liu</td>
<td>The First Affiliated Hospital of Xi’an Jiaotong University, Xi’an, China</td>
</tr>
<tr>
<td>13:15</td>
<td>A NOVEL CACNATC MUTATION IN A CHINESE FAMILY WITH BRUGADA SYNDROME</td>
<td>M. Cao, D. Han, C. Sun, J. Wu, J. Sun, G. Li</td>
<td>The First Affiliated Hospital of Xi’an Jiaotong University, Xi’an, China</td>
</tr>
<tr>
<td>13:30</td>
<td>LUNCH BREAK, VISIT POSTERS AND EXHIBITION</td>
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</tbody>
</table>
### SATURDAY, JULY 28, 2018

**08:00 – 13:00**  
**Poster Hall**

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

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>204</td>
<td>POINT-OF-CARE ULTRASOUND IN CARDIAC ARREST: A REVIEW OF THE ASSESSMENT OF CARDIAC MOTION IN THE SETTING OF CARDIAC ARREST</td>
<td>W. Ciozda, A. Kimchi, I. Kedan</td>
<td>David Geffen School of Medicine at UCLA, Los Angeles, CA, USA</td>
</tr>
<tr>
<td>2</td>
<td>205</td>
<td>THREE-DIMENSIONAL SPECKLE TRACKING ECHOCARDIOGRAPHIC EVALUATION OF BIVVENTRICULAR FUNCTION IN ADOLESCENTS AND YOUNG ADULTS WITH HUMAN IMMUNODEFICIENCY VIRUS INFECTION ACQUIRED IN EARLY LIFE</td>
<td>L. Capotosto, G. D’Ettorre, N. Cavallari, C. Ajassa, M. Ciardi, G. Placanica, V. Vullo, C. Gaudio, A. Vitarelli</td>
<td>Sapienza University, Cardiology and Infectious Diseases Depts, Rome, Italy</td>
</tr>
<tr>
<td>3</td>
<td>206</td>
<td>UTILIZATION OF ECHOCARDIOGRAPHY IN PULMONARY EMBOLISM: A GROUND REALITY</td>
<td>H. Lodhi, M. Waqas, M. Khan, H. Shafiq, I. Achebe, A. Shafiq</td>
<td>Baptist Memorial Medical Group, Southaven, MS, USA</td>
</tr>
<tr>
<td>4</td>
<td>207</td>
<td>THREE-DIMENSIONAL SPECKLE-TRACKING ECHOCARDIOGRAPHIC ASSESSMENT OF RIGHT VENTRICULAR FUNCTION IN OBSTRUCTIVE SLEEP APNEA - EFFECTS OF CPAP THERAPY</td>
<td>L. Capotosto, E. Mangieri, M. Pergolini, M. Saponara, C. Gaudio, A. Vitarelli</td>
<td>Sapienza University, Rome, Italy</td>
</tr>
<tr>
<td>5</td>
<td>208</td>
<td>ECHOCONTRAST INDUCED ANGIOEDEMA</td>
<td>R. Samannan, M.A. Arif, U. Bhatti, E. Munzinger, S. Mathew</td>
<td>University of Oklahoma, Oklahoma City, OK, USA</td>
</tr>
<tr>
<td>6</td>
<td>209</td>
<td>VASODILATOR STRESS TESTING WITH NUCLEAR PERFUSION IMAGING: A POOR MODALITY FOR EVALUATION OF CORONARY ARTERY DISEASE IN PATIENTS WITH LEFT BUNDLE BRANCH BLOCK</td>
<td>K. Gu, A. Kaneria, N. Parikh, P. Sharedalal, S. Cho</td>
<td>Drexel University College of Medicine, Philadelphia, PA, USA</td>
</tr>
<tr>
<td>7</td>
<td>210</td>
<td>AN UNEXPECTED ECHOCARDIOGRAPHIC FINDING: RIGHT CORONARY ARTERY TO RIGHT ATRIAL FISTULA</td>
<td>J.R. Martinez-Parachini, M. Khattab, D. Gilada, I. Javed, L. Size, P. Lozano</td>
<td>University of Oklahoma HSC, Oklahoma City, OK, USA</td>
</tr>
<tr>
<td>8</td>
<td>211</td>
<td>A CASE OF SEVERE ASTHMA EXACERBATION COMPLICATED BY REVERSE TAKOTSUBO CARDIOMYOPATHY IN AN ADULT</td>
<td>S.A. Haidry, H.A. Cooper, W.S. Aronow</td>
<td>Westchester Medical Center, Valhalla, NY, USA</td>
</tr>
<tr>
<td>9</td>
<td>212</td>
<td>LOEY DIETZ SYNDROME AS A RARE CAUSE OF CORONARY ANEURYSMS</td>
<td>O. Aqtash, Y. Jawaid, A. Amro, K. Mansoor, L. Dial</td>
<td>Marshall University, Huntington, WV, USA</td>
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<tr>
<td>10</td>
<td>213</td>
<td>PRIMARY PREVENTION OF CARDIOVASCULAR DISEASE: ASSESSMENT AND MANAGEMENT OF RISK FACTORS, LIFESTYLE CHANGES</td>
<td>HEALTHY LIFESTYLE FACTORS AND RISK OF ABDOMINAL AORTIC ANEURYSM IN THE PHYSICIANS’ HEALTH STUDY</td>
<td>Brigham &amp; Women’s Hospital, Boston, MA, USA</td>
</tr>
<tr>
<td>11</td>
<td>214</td>
<td>TARGETED SCREENING OF THE ASSOCIATIONS BETWEEN CANDIDATE GENES AND ALCOHOL CONSUMPTION IN A HIGH CARDIOVASCULAR RISK POPULATION</td>
<td>TARGETED SCREENING OF THE ASSOCIATIONS BETWEEN CANDIDATE GENES AND ALCOHOL CONSUMPTION IN A HIGH CARDIOVASCULAR RISK POPULATION</td>
<td>Universitat Jaume I, Castellon, Spain</td>
</tr>
<tr>
<td>12</td>
<td>215</td>
<td>COMPARISON BETWEEN STRICT CONTROL OF RISK FACTORS AND STANDARD CONTROL IN PREVENTION OF ARTERIOSCLEROSIS</td>
<td>COMPARISON BETWEEN STRICT CONTROL OF RISK FACTORS AND STANDARD CONTROL IN PREVENTION OF ARTERIOSCLEROSIS</td>
<td>The University of Tokyo, Tokyo, Japan</td>
</tr>
<tr>
<td>13</td>
<td>216</td>
<td>IMPROVING THE CARDIOVASCULAR HEALTH OF PRESCHOOLERS IN A CHILDCARE SETTING</td>
<td>IMPROVING THE CARDIOVASCULAR HEALTH OF PRESCHOOLERS IN A CHILDCARE SETTING</td>
<td>University of Miami School of Medicine, Miami, FL, USA</td>
</tr>
<tr>
<td>14</td>
<td>217</td>
<td>CAFFEINE INDUCED MYOCARDIAL INFARCTION</td>
<td>CAFFEINE INDUCED MYOCARDIAL INFARCTION</td>
<td>Howard University Hospital, Washington, DC, USA</td>
</tr>
<tr>
<td>15</td>
<td>218</td>
<td>PREDICTORS OF IN-HOSPITAL MORTALITY AMONG SYSTEMIC LUPUS ERYTHEMATOUS PATIENTS WITH ACUTE MYOCARDIAL INFARCTION RESULTS FROM A LARGE NATIONAL DATABASE</td>
<td>PREDICTORS OF IN-HOSPITAL MORTALITY AMONG SYSTEMIC LUPUS ERYTHEMATOUS PATIENTS WITH ACUTE MYOCARDIAL INFARCTION RESULTS FROM A LARGE NATIONAL DATABASE</td>
<td>Mayo Clinic Health System, LaCrosse, WI, USA</td>
</tr>
<tr>
<td>16</td>
<td>219</td>
<td>COLON CANCER LATERALITY IS ASSOCIATED WITH ATHEROSCLEROSIS AND CORONARY ARTERY DISEASE</td>
<td>COLON CANCER LATERALITY IS ASSOCIATED WITH ATHEROSCLEROSIS AND CORONARY ARTERY DISEASE</td>
<td>Albany Medical Center, Albany, NY, USA</td>
</tr>
<tr>
<td>17</td>
<td>220</td>
<td>RISK FACTOR ANALYSIS FOR PATIENTS WITH SLOW CORONARY FLOW</td>
<td>RISK FACTOR ANALYSIS FOR PATIENTS WITH SLOW CORONARY FLOW</td>
<td>Baylor College of Medicine, Houston, TX, USA</td>
</tr>
</tbody>
</table>
### SATURDAY, JULY 28, 2018

08:00 – 13:00  
**Poster Hall**

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>P303</strong></td>
<td><strong>STABLE ISCHEMIC HEART DISEASE (continued)</strong></td>
</tr>
</tbody>
</table>

| 18 | PREVALENCE OF CORONARY CALCIFICATION ON CT IN PATIENTS WITH ATRIAL FIBRILLATION  
**B.P. Schwartz**  
Albany Medical College, Albany, NY, USA |
| 19 | CLINICAL IMPLICATIONS OF microRNA SCORE IN DISCRIMINATING VASOSPASTIC ANGINA FROM Atherothrombotic ANGINA OR NON-CORONARY CHEST PAIN  
**H.-Y. Lee**  
Seoul National University Hospital, Seoul, Republic of Korea |
| 20 | ASIAN-INDIANS: A REVIEW OF CORONARY ARTERY DISEASE IN THIS UNDERSTUDIED COHORT IN THE UNITED STATES  
University of Tennessee Health Science Center, Memphis, TN, USA |
| 21 | INTERVENTIONAL DECISION MAKING WITH FRACTIONAL FLOW RESERVE FOR CULPRIT LESIONS ASSOCIATED WITH LEFT ANTERIOR DESCENDING ARTERY MYOCARDIAL BRIDGE  
**H. Patel**, S. Kumar, N.L. Ko Ko, J. John, P. Mathias  
University of Central Florida College of Medicine/HCA GME Consortium, Kissimmee, FL, USA |
| 22 | 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**, **S. Basharat**, O. Maludum  
Einstein Medical Center, Philadelphia, PA, USA |
| 23 | AN UNUSUAL CASE OF ACUTE MYOCARDIAL INFARCTION WITH NORMAL CORONARY ARTERIES  
**S. Khare**, E.S. Karreci, J. Aoun, L. Tsao  
St. Elizabeth Medical Center/Tufts University School of Medicine, Brighton, MA, USA |

### P304  
**HEART DISEASE IN WOMEN**

| 24 | SPONTANEOUS CORONARY ARTERY DISSECTION, A FATAL DISEASE IN HIDING  
**A. Sarkar**, S. Sennhauser, J. Lee, A. Llanos, M.J. Wood  
University of Miami at Holy Cross Hospital, Fort Lauderdale, FL, USA |
**SATURDAY, JULY 28, 2018**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Session</th>
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<tbody>
<tr>
<td>08:00 – 13:00</td>
<td>Poster Hall</td>
<td>P305</td>
</tr>
</tbody>
</table>

**HEART DISEASE IN THE ELDERLY**

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>228</td>
<td>ABNORMAL COGNITIVE FUNCTION IN ELDERLY PATIENTS WITH HEART FAILURE</td>
<td>C. Techorueangwiwat, A. Ariyachaipanich</td>
<td>Chulalongkorn University, Bangkok, Thailand</td>
</tr>
<tr>
<td>26</td>
<td>229</td>
<td>EXAMINING VARIATIONS IN STROKE RISK FACTORS AND HOSPITAL COST BY AGE AND GENDER IN CALIFORNIA</td>
<td>B. Husaini</td>
<td>Tennessee state University, Nashville, TN, USA</td>
</tr>
</tbody>
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**MISCELLANEOUS**

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<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>28</td>
<td>231</td>
<td>LOW RISK PULMONARY EMBOLISM PATIENTS CAN BE DISCHARGED FROM EMERGENCY DEPARTMENT: A META-ANALYSIS</td>
<td>A.H. Malik</td>
<td>Westchester Medical Center, Harriman, NY, USA</td>
</tr>
<tr>
<td>29</td>
<td>232</td>
<td>GENERATING BIG DATA OF CARDIOVASCULAR RISK FACTORS THROUGH GEOTAGGED TWITTER MINING</td>
<td>J. Lee, J. Sung</td>
<td>Jackson State University, Madison, MS, USA</td>
</tr>
<tr>
<td>30</td>
<td>233</td>
<td>ACUTE PANCREATITIS MIMICKING ST-SEGMENT ELEVATION MYOCARDIAL INFARCTION IN A PATIENT WITH SYMPTOMS</td>
<td>A. Agrawal, J. Penalver, N. Sayyida, M. Rodriguez</td>
<td>Albert Einstein Medical Center, Philadelphia, PA, USA</td>
</tr>
<tr>
<td>31</td>
<td>234</td>
<td>TRANSIENT PULSUS ALTERNANS IN A MINIATURE PINSCHER WITH PULMONIC STENOSIS</td>
<td>W.A. Ware, S. Murphy, A. Cheney</td>
<td>Iowa State University, Ames, IA, USA</td>
</tr>
</tbody>
</table>
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

14:00 FASTING IS NOT NECESSARY FOR LIPID TESTING:
NIHIL PER OS NON IAM (Invited Lecture)
S. Mora
Brigham and Women’s Hospital, Harvard Medical School, Boston, MA, USA

14:15 ASPIRIN IN THE PRIMARY PREVENTION OF CARDIOVASCULAR DISEASE: NEED FOR INDIVIDUAL CLINICAL JUDGMENTS (Invited Lecture)
Charles E. Schmidt College of Medicine, Florida Atlantic University, Boca Raton, FL, USA

14:30 OPTIMIZING STATIN UTILIZATION AND TREATMENT ADHERENCE AMONG PATIENTS WHO DISCONTINUE STATINS DUE TO ADVERSE MUSCLE EVENTS - A PERSONALIZED APPROACH (Invited Lecture)
R.S. Rosenson
Icahn School of Medicine at Mount Sinai, New York, NY, USA

14:45 LIFE SIMPLE SEVEN AND INCIDENCE OF CORONARY ARTERY DISEASE: THE MILLION VETERAN PROGRAM (Invited Lecture)
L. Djousse, Harvard Medical School, Boston, MA, USA

15:00 TESTOSTERONE AND CARDIOVASCULAR DISEASE (Invited Lecture)
J. Shirani, St. Luke’s University Health Network, Bethlehem, PA, USA

15:15 UPDATE ON PREOP EVALUATION OF PATIENTS UNDERGOING NON-CARDIAC SURGERY (Invited Lecture)
M. Movahed, CareMore and University of Arizona, Tucson, AZ, USA

15:30 HEARTFUL LIVING: PROGRAM FOR IMPROVING HEALTH & LIFESTYLE THROUGH SELF-AWARENESS (Invited Lecture)
A. Chockalingam
University of Missouri, Columbia, MO, USA

15:45 CARDIOVASCULAR DISEASE RISK AND MENOPAUSE: WHAT HAVE WE LEARNED FROM SWAN? (Invited Lecture)
S.R. El Khoudary
Graduate School of Public Health University of Pittsburgh, Pittsburgh, PA, USA

16:00 SEX DIFFERENCES IN EXERCISE DURATION TIME AND RISK OF CARDIOVASCULAR DISEASE EVENTS IN HEALTHY ADULTS (Invited Lecture)
R. Herscovici, E. Maor, J. Mirocha, I. Goldenberg, S. Segev, Y. Charuzi
Cedars-Sinai Smidt Heart Institute, Los Angeles, CA, USA

16:15 COFFEE BREAK, VISIT EXHIBITION
SATURDAY, JULY 28, 2018

14:00 – 16:00  Hall B

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

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

14:00 MODULATION OF INFLAMMATORY VASCULITIS (IVS) AND ANTI-INFLAMMATORY TREATMENT BY THE GUT MICROBIOTA – A MOUSE HERPESVIRUS IVS MODEL (Invited Lecture)
A. Lucas, J.R. Yaron, S. Ambadapadi, L. Zhang
Biodesign Institute, Arizona State University, Tempe, Arizona, USA

14:15 DOWNREGULATION OF ENDOTHELIAL BETA-2 SPECTRIN BY INCREASED PLAQUE STIFFNESS INDUCES A LEAKY VESSEL PHENOTYPE IN ATHEROSCLEROTIC PLAQUE MICROVASCULATURE (Invited Lecture)
E.A. Biessen, Maastricht University, Maastricht, Netherlands

14:30 WHAT IF WE HAD A GOOGLE MAP OF THE HUMAN VASCULATURE (Invited Lecture)
Z.S. Galis, National Institutes of Health, Bethesda, MD, USA

14:45 CARDIOVASCULAR AGING AND BIOLOGICAL PATHS TO RESILIENCE (Invited Lecture)
S. Cheng, Brigham and Women’s Hospital, Boston, MA, USA

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)
A.K. Srivastava, CRCHUM, University of Montreal, Montreal, QC, Canada

15:15 TURNING TRASH TO TREASURE: TARGETING NON-CODING RNAs TO CONTROL ATHEROSCLEROSIS (Invited Lecture)
M.W. Feinberg
Brigham and Women’s Hospital/Harvard Medical School, Boston, MA, USA

15:30 THE HYDROGEL-ENCAPSULATED T0910317 REDUCES ATHEROSCLEROSIS WITHOUT EFFECT ON LIPOGENESIS IN APOE DEFICIENT MICE (Invited Lecture)
C. Ma, K. Feng, X. Yang, Y. Chen, Q. Li, Z. Yang, Y. Duan, J. Han
Nankai University, Tianjin, China

15:45 LYSOSOMAL CYSTEINE PROTEASES AND DISTURBANCES OF THEIR REGULATION IN ATHEROSCLEROSIS (Invited Lecture)
T.A. Korolenko, T.P. Johnston, A.B. Shintyapina
Institute of Physiology and Basic Medicine, Novosibirsk, Russia

16:00 COFFEE BREAK, VISIT EXHIBITION
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

14:00 PACEMAKER/ICD IN THE MRI ENVIRONMENT; BEYOND THE MAGNASAFE TRIAL (Invited Lecture)
Allegheny General Hospital, Pittsburgh, PA, USA

14:15 THERAPEUTIC HYPOTHERMIA IN CARDIAC ARREST SURVIVORS WITH PRE-EXISTING CONGESTIVE HEART FAILURE IS NEPHROPROTECTIVE
Wake Forest Baptist Health, Winston Salem, NC, USA

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
E.A. Bucklew, R. Bazaz, S. Koscumb, O. Marroquin, S. Saba, S. Jain, E. Adelstein
University of Pittsburgh Medical Center, Pittsburgh, PA, USA

14:45 ANALYSIS OF REMOTE MAGNETIC CATHETER NAVIGATION SYSTEMS USE FOR ABLATION PROCEDURES OVER TIME
E. Aziz, O. Reynbakh, 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

15:00 TEMPERATURE INTOLERANCE AS A COMMON SYMPTOM IN POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME
Cardiology, The Heartbeat Clinic, McKinney, TX, USA

15:15 PREVALENCE OF PAROXYSMAL SUPRAVENTRICULAR TACHYCARDIA (PSVT) IN THE UNITED STATES IN PATIENTS UNDER 65 YEARS OF AGE
N.C. Sacks, P.L. Cyr, S. Bariahtaris, A. Sharma, S.G. Green, P. Douville, J.N. Ruskin
Precision Xtract, Boston, MA, USA

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
H. Inaba, A. Yamashita, Y. Wato, T. Maeda
Kanazawa University Graduate School of Medicine, Kanazawa, Japan
S26  CARDIAC ARRHYTHMIAS AND SUDDEN DEATH: FROM BASIC MECHANISMS TO STATE-OF-THE-ART MANAGEMENT (continued)

15:45  OUTCOMES OF CATHETER ABLATION OF ATRIAL FIBRILLATION IN PATIENTS WITH DIABETES MELLITUS
M. Bengaluru Jayanna, A.M. Mohsen, G. Palamaner Subash Shantha, C.J. Dezorzi, M.C. Giudici
University of Iowa Hospitals and Clinics, Iowa City, IA, USA

16:00  THE ASSOCIATION BETWEEN PLASMA BIG ENDOTHELIN-1 LEVELS AT ADMISSION AND LONG-TERM OUTCOMES IN PATIENTS WITH ATRIAL FIBRILLATION
S. Wu, Y.M. Yang
National Center for Cardiovascular Diseases, Fuwai Hospital, Beijing, China

16:15  A BENEFIT OF IMPELLA DEVICE IN ABLATION OF SCAR RELATED VENTRICULAR TACHYCARDIA
N.L. Ko Ko, U. Batnyam, U.R. Siddiqui
University of Central Florida, Orlando, FL, USA

16:30  NON-SUSTAINED AND INDUCIBLE SUSTAINED VENTRICULAR TACHYCARDIA IN PACEMAKER PATIENTS
Y. Hanna, M. Arulthasan, W.-C. Sheu, D.A. Bloomfield
Richmond University Medical Center, Staten Island, NY, USA

16:45  PURKINJE-FIBER MEDIATED VENTRICULAR ECTOPY INDUCED VF STORM FOLLOWING ANTERIOR WALL MYOCARDIAL INFARCTION
E. Pagan, A. Alam, A. Abome, G. Siroky, W. Kostis, J. Coromilas, J. Kassotis, A. Saluja
Rutgers - Robert Wood Johnson University Hospital, New Brunswick, NJ, USA

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
J. Son, S. Choi, K. Kim, S. Kim, G. Lee, S.-M. Jeong, S. Park, Y.-Y. Kim,
J.-M. Yun, S. Park
Seoul National University, Seoul, Republic of Korea

17:00 PREFERABLE EFFECTS OF AMLODIPINE/DIURETICS TO
AMLODIPINE/TELMISARTAN ON VISIT-TO-VISIT VARIABILITY OF
BLOOD PRESSURE IN HIGH-RISK HYPERTENSIVE PATIENTS
Fuwai Hospital, National Center for Cardiovascular Diseases, Chinese
Academy of Medical Science and Peking Union Medical College, Beijing, China

17:15 MOODINESS AND DEPRESSIVE SYMPTOMS IN ADOLESCENCE
PREDICTS OBESITY AND HYPERTENSION IN ADULTHOOD
K. Anand, S. Srinivas, S. Rajendran, A. Chockalingam
University of Missouri, Columbia, MO, USA

17:30 PREDICTORS OF HIGH ON-ASPIRIN PLATELET REACTIVITY IN
CHINESE ELDERLY PATIENTS
Peking University First Hospital, Beijing, China

17:45 PREVENT AND INTERCEPT AMI (ACUTE MYOCARDIAL INFARCTION)
RISK WITH ANARTIFICIAL INTELLIGENT SYSTEM
L. Ma, L. Tao, C.W. Ma, Y. Ge, M. Han, G. Li, L. Ma, Z. Wu, P. Yu, Y. Yang
Beijing Yiwan Technologies, Beijing, China

18:00 ASSOCIATION BETWEEN AIR POLLUTION AND CARDIOVASCULAR
DISEASES DURING DUST STORMS IN TAIWAN
H.-R. Guo, S.-W. Yang
National Cheng Kung University, Tainan, Taiwan

18:15 CARDIOVASCULAR SAFETY AND POTENTIAL BENEFIT OF 5-ALPHA
REDUCTASE INHIBITOR USE AMONG MALES AND BPH PATIENTS,
A KOREAN NATIONAL COHORT
J. Chang, S. Park
Seoul National University Graduate School, Seoul, Republic of Korea
S27  Session
CARDIOVASCULAR DISEASE PREVENTION AND RISK MANAGEMENT (continued)

18:30  CARDIOVASCULAR DISEASE IN HIV INFECTED PATIENTS –
A RETROSPECTIVE REVIEW AT A SINGLE CENTER IN MIAMI
**G. Zablah**, F. Pyarali, R. Iordanov, T. Haque, R. Parmar, C. Martinez
University of Miami/Jackson Memorial Hospital, Miami, FL, USA

18:45  THE ROLE OF THE CARDIOLOGIST IN THE PREOPERATIVE
EVALUATION OF THE BARIATRIC SURGERY PATIENT
**L.A. Bucklew**, E.A. Bucklew
University of Pittsburgh Medical Center, Pittsburgh, PA, USA

19:00  ASSOCIATION BETWEEN SMOKELESS-TOBACCO USE AND
CARDIOVASCULAR DISEASE: AN ANALYSIS OF THE 2015 BRFSS DATA
**P. Ndunda**, D. Rakestraw
University of Kansas School of Medicine - Wichita, Wichita, KS, USA

19:15  IDEAL CARDIOVASCULAR HEALTH STATUS AND RISK OF
CARDIOVASCULAR DISEASE OR ALL-CAUSE MORTALITY IN A CHINESE
MIDDLE AGED POPULATION
NCCD, Fuwai Hospital, Pecking Union Medical College, CAMS, Beijing, China
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 275
ENHANCES CARDIAC POSITIVE INOTROPIC AND LOSITROPIC RESPONSES TO DOBUTAMINE IN HEART FAILURE ASSESSMENT BY PRESSURE-VOLUME ANALYSIS
Wake Forest School of Medicine, Winston-Salem, NC, USA

17:00  NOVEL HEART FAILURE PROTOCOL DRAMATICALLY REDUCES 276
HOSPITAL READMISSIONS FROM SKILLED NURSING FACILITIES
N.J. Trivedi, K. Duffy, J. Bander, A. Ali, R. Bhandari
Mount Sinai Hospital System, New York, NY, USA

17:15  ELEVATED SERA SST2 PREDICTS HEART FAILURE IN MEN UNDER THE 277
AGE OF 50 WITH CLINICAL SUSPECTED MYOCARDITIS
K.A. Bruno, M. Coronado, L. Blauwet, E. Douglass, E. Abston, J. Frisancho,
M. Greenaway, A. Hill, L. Cooper, Jr., D. Fairweather
Mayo Clinic, Jacksonville, FL, USA

17:30  A STUDY TO IDENTIFY THE PREDICTORS OF RE-ADMISSIONS IN 278
PATIENTS WITH CONGESTIVE HEART FAILURE IN MINORITY POPULATION IN AN INNER-CITY HOSPITAL
S. Hanif, P. Kakarla, N. Bhalodkar, A. Zhang, G. Kamalakannan
Bronx Lebanon Hospital Center, Bronx, NY, USA

17:45  ASSOCIATION BETWEEN CHRONIC KIDNEY DISEASE AND 279
READMISSION RATE IN PATIENTS HOSPITALIZED WITH HEART FAILURE
R. Alreshq, H. Patel, S. Purga, S. Fein, E. Philbin, M. Torosoff, R. Lyubarova
Albany Medical College, Albany, NY, USA

18:00  PREVALENCE OF COGNITIVE IMPAIRMENT AND EFFECT ON 281
REHOSPITALIZATION IN PATIENT WITH ACUTE HEART FAILURE
J. Kewcharoen, C. Techorueangwiwat, W. Laosanganuk, T. Tienuntsisook,
A. Ariyachaipanich
Chulalongkorn University, Bangkok, Thailand

18:15  ASSESSING THE COMPONENTS OF THE NEWLY REPORTED ASA 282
SCORE
A. Mukherjee, A. Alam, C. Maulion, E. Pagan, J. Xu, D. James, J. Cheng,
D. Iyer, K. Mody, J. Almendral
Rutgers - Robert Wood Johnson University Hospital, Rahway, NJ, USA
T.S. Davies, H. Gallagher, F. Jaafar, J.W. Moss, T.R. Hughes, D.P. Ramji
School of Biosciences, Cardiff University, Cardiff, UK
SATURDAY, JULY 28, 2018

16:45 – 19:15

S28 Oral Session
HEART FAILURE: NOVEL RISK FACTORS, PREDICTORS, NEW TREATMENT OPTIONS AND OUTCOME (continued)

18:30 VALIDATION OF THE ARABIC VERSION OF THE MINNESOTA LIVING WITH HEART FAILURE QUESTIONNAIRE
American University of Beirut, Beirut, Lebanon

18:45 CONTEMPORARY RETROSPECTIVE REVIEW OF HEART FAILURE READMISSIONS AT AN ACADEMIC MEDICAL CENTER
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
New York Medical College, Metropolitan, New York, NY, USA
Cardiff Metropolitan University, Cardiff, UK

Abstract No.
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
H. Inaba, A. Yamashita, Y. Yoshita, Y. Wato
Kanazawa University Graduate School of Medicine, Kanazawa, Japan

National Center of Cardiovascular Disease, FU WAI Hospital PUMC & CAMS, Beijing, China

17:30   PROFILES OF PERIPHERAL ARTERIAL DISEASE INTERVENTIONS IN A NETWORK OF FREESTANDING OUTPATIENT CLINICS
D. Cross, K. Bemis, N. Marwah, J. Larkin, L. Usvyat, R. Lombardo, A. Odhav, T. Das, B. Le, F. Maddux
National Cardiovascular Partners, Houston, TX, USA

17:45   NOVEL MURINE DEEP VENOUS THROMBOSIS (DVT) MODEL ENABLES REAL-TIME IN VIVO IMAGING OF CLINICALLY RELEVANT DVT
M. Okano, T. Hara, Y. Irino, S. Kobayashi, M. Shinohara, R. Toh, T. Ishida, K.-I. Hirata
Kobe University Graduate School of Medicine, Kobe, Japan

18:00   METABOLIC BIOMARKERS OF CAROTID ATHEROSCLEROSIS IN CHINESE MIDDLE-AGED AND ELDERLY MEN
W. Liu, M. Liu, Y. Yang, Y. Liu
Peking University First Hospital, Beijing, China

18:15   HIGH PREVALENCE OF INTERNAL ELASTIC LAMINA CALCIFICATION IN AN ELDERLY POPULATION: A CADAVERIC STUDY
J.D. Davidov, 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
**SATURDAY, JULY 28, 2018**

**13:30 – 18:30**

<table>
<thead>
<tr>
<th>P401</th>
<th>ATRIAL FIBRILLATION: CAUSES, SYMPTOMS AND TREATMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Board No.</td>
<td>Abstract No.</td>
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<tr>
<td>1</td>
<td>THE LEFT ATRIAL APPENDAGE FRACTAL DIMENSION IN ATRIAL FIBRILLATION</td>
</tr>
<tr>
<td>Thomas Jefferson University Hospital, Philadelphia, PA, USA</td>
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</tr>
<tr>
<td>2</td>
<td>AGREEMENT BETWEEN A MEDTRONIC PACEMAKER AND LINQ IN REPORTING PAROXYSMAL ATRIAL FIBRILLATION</td>
</tr>
<tr>
<td>J. Kneller</td>
<td>293</td>
</tr>
<tr>
<td>Astria Heart Institute, Yakima, WA, USA</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>PULMONARY VEIN STENOSIS AFTER RADIOFREQUENCY ABLATION FOR ATRIAL FIBRILLATION</td>
</tr>
<tr>
<td>G. Li, J. Sun, D. Han, J. Wu, C. Sun, L. Xu</td>
<td>294</td>
</tr>
<tr>
<td>The First Affiliated Hospital of Xi’an Jiaotong University, Xi’an, China</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>THE BLEB THAT BLED, A HITHERTO UNREPORTED CASE OF HEMOTHORAX OCCURRING AS A COMPLICATION OF ELECTRODE CATHETER ABLATION TO TREAT ATRIAL FIBRILLATION</td>
</tr>
<tr>
<td>H.E. Matos Santana, S. Winters, D. Markley, C. Fabrizio</td>
<td>295</td>
</tr>
<tr>
<td>Morristown Medical Center, Morristown, NJ, USA</td>
<td></td>
</tr>
</tbody>
</table>

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

| Board No. | Abstract No. |
| 5 | PREDICTION OF “SUPER-RESPONSE” TO CARDIAC RESYNCHRONIZATION THERAPY BY SURFACE ECG FINDINGS IN PATIENTS WITH LEFT BUNDLE BRANCH BLOCK - A PILOT STUDY |
| N. Kocovic, J. Newland, A. Carleen, M. DeCaro, B. Pavri | 296 |
| Sidney Kimmel Medical College, Philadelphia, PA, USA |
| 6 | A REVIEW OF SUDDEN UNEXPLAINED NOCTURNAL DEATH SYNDROME (SUNDS) AND THE ROLE OF EXTERNAL STRESS IN SOUTHEAST ASIAN POPULATIONS |
| K. Lo | 297 |
| UCLA, Los Angeles, CA, USA |
| 7 | PHYSICIAN PERCEPTION SURVEY REGARDING ABBOTT (FORMERLY ST. JUDE) CYBERSECURITY VULNERABILITIES AND FIRMWARE UPGRADE FOR PACEMAKERS |
| University of Kansas Medical Center, Kansas City, KS, USA |
**SATURDAY, JULY 28, 2018**

**13:30 – 18:30**

**Poster Hall**

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

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>299</td>
<td>RUNNING TO A STANDSTILL: CARDIAC ARREST IN A HEALTHY MARATHON RUNNER WITH A MYOCARDIAL BRIDGE</td>
<td>A. Cubberley, C. Ngongang, S. Banka</td>
<td>Drexel University College of Medicine/Hahnemann University Hospital, Philadelphia, PA, USA</td>
</tr>
<tr>
<td>9</td>
<td>300</td>
<td>A HIDDEN CASE OF HYPERTROPHIC OBSTRUCTIVE CARDIOMYOPATHY RELATED SUDDEN CARDIAC ARREST UNDER THE GUISE OF ACUTE ST ELEVATION MYOCARDIAL INFARCTION IN AN ELDERLY MALE</td>
<td>M. Anderson, M. Rodriguez Ziccardi</td>
<td>Albert Einstein Medical Center, Philadelphia, PA, USA</td>
</tr>
<tr>
<td>10</td>
<td>301</td>
<td>WEARABLE CARDIOVERTER DEFIBRILLATOR “THE LIFEVEST”: DEVICE DESIGN, LIMITATIONS, AND AREAS OF IMPROVEMENT</td>
<td>V. Chinta, M. Agarwal, N. Khouzam, A. Nanda, U. Ashraf, J. Kelly, I. Pour-Ghaz, A. Sharma, R. Khouzam</td>
<td>Arkansas Methodist Medical Center, Jonesboro, AR, USA</td>
</tr>
<tr>
<td>11</td>
<td>302</td>
<td>A RARE CASE OF PACEMAKER-DEFIBRILLATOR DEVICE INFECTION CAUSED BY ACHROMOBACTER XYLOSOXIDANS</td>
<td>S.A. Raza, R. Collazo-Maldonado, L. Hunter</td>
<td>Methodist Health System- Dallas, Dallas, TX, USA</td>
</tr>
<tr>
<td>12</td>
<td>303</td>
<td>TWIDDLER’S SYNDROME IN A PATIENT WITH TARDIVE DYSKINESIA</td>
<td>S. Shrestha, A.C. Shah, M. Polomsky, S.L. Winters</td>
<td>Morristown Medical Center, New Jersey, NJ, USA</td>
</tr>
</tbody>
</table>

### P403 ARRHYTHMIAS AND ELECTROPHYSIOLOGY

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
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</thead>
<tbody>
<tr>
<td>13</td>
<td>304</td>
<td>CLINICAL CHARACTERISTICS AND OUTCOMES IN PATIENTS UNDERGOING TRANSCATHETER AORTIC VALVE REPLACEMENT WITHOUT LVH BY VOLTAGE CRITERIA</td>
<td>R. Zhang, K. Keller, S. Jou, A. Nappi, M. El-Hajjar, A. Delago, M. Torosooff</td>
<td>Albany Medical Center, Albany, NY, USA</td>
</tr>
<tr>
<td>14</td>
<td>305</td>
<td>ELECTROCARDIOGRAPHIC ABNORMALITIES IN SICKLE CELL PATIENTS IN A MAJOR METROPOLITAN CENTER</td>
<td>S.M. Chiadika, A.J. Serauto-Canache, M. Kwak, W. Yang, K.C. Pabba, M. Idowu</td>
<td>University of Texas Health Science Center at Houston, Houston, TX, USA</td>
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</tbody>
</table>
### SATURDAY, JULY 28, 2018

**13:30 – 18:30**

**Poster Hall**

**P403 ARRHYTHMIAS AND ELECTROPHYSIOLOGY (continued)**

<table>
<thead>
<tr>
<th>Board No.</th>
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<tr>
<td>16</td>
<td>307</td>
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</table>

<table>
<thead>
<tr>
<th><strong>16</strong></th>
<th>ELECTROCARDIOGRAPHIC PREDICTORS OF ARRHYTHMIA AFTER TRANSJUGULAR INTRAHEPATIC PORTOSYSTEMIC SHUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>J.L. Penalver, A. Agrawal, P. Ram, M. Rodriguez Ziccardi, D. Brito,</strong></td>
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<td><strong>F. Aguilar, M. Pitteloud, A. Mora, V. Figueredo</strong></td>
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<td>Einstein Medical Center, Philadelphia, PA, USA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>17</strong></th>
<th>INTRAVENOUS SALINE PROVIDES SYMPTOMATIC RELIEF FOR PATIENTS WITH POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS)</th>
</tr>
</thead>
<tbody>
<tr>
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<td><strong>A. Suleman</strong></td>
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<td>The Heartbeat Clinic, McKinney, TX, USA</td>
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</table>

<table>
<thead>
<tr>
<th><strong>18</strong></th>
<th>HYPOTHYROIDISM IN POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS) PATIENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>W. Chaudhary, M.A. Nasri, W. Almardini, N. Chaudhary, S. Alam,</strong></td>
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<td><strong>S.B. Alam, H. Mistry, K. Munee, N. Joy, A. Suleman</strong></td>
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</tr>
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<thead>
<tr>
<th><strong>19</strong></th>
<th>FEVER-INDUCED BRUGADA PATTERN IN A HISPANIC PATIENT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>J.M. Stempel, A. Tiu, N. Candelario, A. Mora, D. Brito</strong></td>
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<th><strong>20</strong></th>
<th>SLOW VENTRICULAR TACHYCARDIA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>M.A. Arif, R. Samannan, U. Bhatti, C.H. May</strong></td>
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<td>University of Oklahoma, Oklahoma City, OK, USA</td>
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<tr>
<th><strong>21</strong></th>
<th>CALMING THE STORM - A CHALLENGING PRESENTATION OF A PATIENT WITH ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY AND RECURRENT VENTRICULAR TACHYCARDIA</th>
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<tr>
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<td><strong>N.K.O. Onuorah, A. Ekiz, J. Pollock</strong></td>
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<td>Wright State University, Dayton, OH, USA</td>
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</table>

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<thead>
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<th><strong>22</strong></th>
<th>FASCICULAR VENTRICULAR TACHYCARDIA IN A 28-YEAR-OLD MALE WITH FUNGAL INFECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>J.L. Penalver, M. Zabad, E. Franco, F. Aguilar, S. Basharat, A. Mora,</strong></td>
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<td><strong>S. Mainigi, B. Cepeda</strong></td>
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<th><strong>23</strong></th>
<th>BRUGADA PHENOCOPY, NOT A COPY OF BRUGADA SYNDROME</th>
</tr>
</thead>
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<tr>
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<td><strong>M. Patel, A. Patel, A. Goud, A. Mukherjee, I. Alesh, R. Pai, P. Sethi</strong></td>
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<td>University of California, Riverside, Riverside, CA, USA.</td>
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</tr>
</tbody>
</table>

**P403 ARRHYTHMIAS AND ELECTROPHYSIOLOGY (continued)**

24. **REFRACTORY ELECTRICAL STORM IN CHAGAS CARDIOMYOPATHY: IS HEART TRANSPLANT THE LAST OPTION?**
   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**
   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**
   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**
   Marshall University Joan C. Edwards School of Medicine, Huntington, WV, USA

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

29. **SAME DAY DISCHARGE PCI: HIGH CLINICAL RISK PATIENTS**
   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**
   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**
   N. Shah
   Internal Medicine, St Mary Mercy Hospital, Livonia, MI, USA
<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
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<tbody>
<tr>
<td>32</td>
<td>323</td>
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<td>33</td>
<td>324</td>
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<td>34</td>
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<td>326</td>
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</tr>
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</table>

**P404 PERCUTANEOUS CORONARY INTERVENTION (continued)**

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

08:30 THE ASSOCIATION OF CONCOMITANT SERUM POTASSIUM AND GLUCOSE LEVELS AND IN-HOSPITAL MORTALITY IN PATIENTS WITH ACUTE MYOCARDIAL INFARCTION  (Invited Lecture)
Y. Plakht, A. Shiyovich, H. Gilutz
Ben-Gurion University of the Negev, Beer-Sheva, Israel

08:45 SPONTANEOUS CORONARY ARTERY DISSECTION: FURTHER INSIGHTS UTILISING BIG DATA  (Invited Lecture)
R. Potluri
ACALM, Birmingham, UK

09:00 DAYLIGHT SAVING TIME AND ACUTE MYOCARDIAL INFARCTION: DOES A GENDER-ORIENTED DIFFERENCE EXIST? (Invited Lecture)
R. Manfredini, F. Fabbian, B. Zucchi, R. Cappadona
Center for Studies on Gender Medicine, University of Ferrara, Ferrara, Italy

09:15 INDIVIDUALIZATION OF OPTIMAL TREATMENT FOR STABLE ANGINA PECTORIS: AN ONGOING CHALLENGE (Invited Lecture)
U. Thadani
University of Oklahoma HSC, Oklahoma City, Oklahoma and VA Medical Center, Oklahoma City, OK, USA

09:30 ENHANCING INFLAMMATION RESOLUTION IN ACUTE CORONARY ARTERY DISEASE: THE NEXT FRONTIERS FOR THERAPY? (Invited Lecture)
J.G. Filep
University of Montreal, Montreal, QC, Canada

09:45 INTRAVASCULAR ULTRASOUND (IVUS): CURRENT STATUS AND FUTURE PROSPECTS  (Invited Lecture)
M. Terashima
Toyohashi Heart Center, Toyohashi, Japan

10:00 PLACEBO: POWER OF NON-SPECIFIC TREATMENT EFFECTS  (Invited Lecture)
G. Barsness
Mayo Clinic, Rochester, MN, USA
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 (continued)

Abstract No.

10:15  EMS GUIDED PRIMARY PCI MADE A DRAMATIC IMPACT ON POSITIVE STEMI CARE (Invited Lecture)
H. Reddy, R.C. Komatireddy, R. Sharma
University of Arkansas Medical School, Little Rock, AR, and St. Louis University Medical School, St. Louis, MO, USA

10:30  ATHEROSCLEROSIS IN ANCIENT MUMMIES (Invited Lecture)
M. Madjid
McGovern School of Medicine, Houston, TX, USA

10:45  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)
R. Hutter
Bassett Medical Center, Cooperstown, NY, USA

11:00  COFFEE BREAK, VISIT POSTERS AND EXHIBITION
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

08:30  THROMBOLYTICS VERSUS PUMP EXCHANGE IN VAD MANAGEMENT: SHOULD WE USE A TAILORED APPROACH?  (Invited Lecture)
N. Nair
Texas Tech Health Sciences Center, Lubbock, TX, USA

08:45  DO NEW STUDIES/DEVICES TIP THE BALANCE TO EARLIER LVAD IMPLANTATION AS DESTINATION THERAPY?  (Invited Lecture)
M.R. Johnson
University of Wisconsin School of Medicine and Public Health, Madison, WI, USA

09:00  GENETICS IN THE MANAGEMENT OF DILATED CARDIOMYOPATHY  (Invited Lecture)
L. Mestroni
University of Colorado Anschutz Medical Campus, Aurora, CO, USA

09:15  TARGETING CaMKII IN HEART FAILURE  (Invited Lecture)
Y. Wang, J. Cheng
Zhongnan Hospital of Wuhan University, Wuhan, China

09:30  HOME HOSPITALIZATION FOR ACUTE DECOMPENSATED HEART FAILURE: OPPORTUNITIES AND STRATEGIES FOR IMPROVED HEALTH OUTCOMES  (Invited Lecture)
M. Silver, University of Illinois, Chicago, IL, USA

09:45  MECHANISMS OF DCM DUE TO CELL CYCLE STRESS  (Invited Lecture)
B.S. Tuana, University of Ottawa, Ottawa, ON, Canada

10:00  SILENCING OF THE CARDIAC 18-kDa TRANSLOCATOR PROTEIN PREVENTS HEART FAILURE DUE TO PRESSURE OVERLOAD  (Invited Lecture)
S. Schaefer, E.N. Dedkova, P.N. Thai
University of California Davis, Davis, CA, USA

10:15  THE TRIALS AND TRIBULATIONS OF SLOW CONTINUOUS ULTRAFILTRATION FOR MANAGEMENT OF ACUTE HEART FAILURE – AN UPDATE FOR 2018  (Invited Lecture)
A. Kazory, University of Florida, Gainesville, FL, USA

10:30  IMPACT OF EXERCISE TRAINING ON DIASTOLIC FUNCTION IN HFPEF: GATHERING EVIDENCE FROM CLINICAL AND PRE-CLINICAL STUDIES  (Invited Lecture)
D. Moreira-Goncalves, University of Porto, Porto, Portugal

10:45  COFFEE BREAK, VISIT POSTERS AND EXHIBITION
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  
       N.C. Sacks, S. Bariahtaris, A. Sharma, K. Everson, P.L. Cyr, P. Douville, J.N. Ruskin  
       Precision Xtract, Boston, MA, USA

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  
       S.Y. Soo Hoo, Royal North Shore Hospital, Sydney, Australia

09:00  ACUTE AND CHRONIC ELEVATION OF CARDIAC TROJONIN PREDICT THE SEVERITY OF CORONARY ARTERY DISEASE IN PATIENTS WITH END-STAGE RENAL DISEASE  
       M.B. Taha, M. Alom, Y. Abdelgadir, O. Hadid, A. Sharma, V. Yelamanchili, R. Naik, N. Haidar, S. Hussain, C. Arsen  
       Wayne State University/Detroit Medical Center, Detroit, MI, USA

09:15  LESS IS MORE - RESTRICTIVE TRANSFUSION STRATEGY IN CORONARY ARTERY DISEASE PATIENTS RESULTS IN SHORTER LENGTH OF STAY  
       NYU Winthrop Hospital, Mineola, NY, USA

09:30  VALIDATION AND COMPARISON OF RESTING GRADIENT TO FRACTIONAL FLOW RESERVE FOR ASSESSMENT OF CORONARY ARTERY STENOSIS  
       J. Aoun, S. Lahsaei, C. Zahm, T. Bhat, J.P. Carrozza  
       Saint Elizabeth’s Medical Center, Brighton, MA, USA

09:45  DEATH REPORTS AMONGST NOACS AND WARFARIN USERS. A STRATIFIED ANALYSIS OF FAERS DATA  
       F.F. Richy, Public Health and Epidemiology, University of Liege, Liege, Belgium

10:00  PREDICTORS OF OUTCOME IN PATIENTS TRANSFERRED DIRECTLY TO CARDIAC INTENSIVE CARE UNIT VIA INTER-HOSPITAL TRANSFER  
       B. Ternus, J. Jentzer, S. Kopecky, G. Barsness, Mayo Clinic, Rochester, MN, USA

10:15  POSTOPERATIVE TROJONIN ELEVATIONS PORTEND A HIGH MORTALITY RISK EVEN IN LOW-RISK PATIENTS  
       E. Pivato, S. Vasireddi, L. James, M. Kondapaneni  
       MetroHealth Medical Center, Cleveland, OH, USA

10:30  LONG-TERM PROGNOSTIC VALUE OF CORONARY ANGIOGRAPHY IN MEDICALLY TREATED PATIENTS  
       Edson Saad Heart Institute, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil

10:45  COFFEE BREAK, VISIT POSTERS AND EXHIBITION
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:30</td>
<td>EFFECT OF TIME OF DAY ON OUTCOMES OF PCI FOR STEMI</td>
<td>A. Karnik, J. Lee, E. Choi, J. Aguilar, S. Li, V. Kumar, S. Conley, N.W. Niles, II, B.W. Andrus, J.T. DeVries</td>
<td>Dartmouth Hitchcock Medical Center, Lebanon, NH, USA</td>
</tr>
<tr>
<td>12:00</td>
<td>ASSOCIATION BETWEEN E-CIGARETTE USE AND CARDIOVASCULAR DISEASE</td>
<td>P. Ndunda, T. Muutu</td>
<td>University of Kansas School of Medicine - Wichita, KS, USA</td>
</tr>
<tr>
<td>12:15</td>
<td>IMPACT OF FAMILY HISTORY OF CORONARY ARTERY DISEASE ON IN-HOSPITAL CLINICAL OUTCOMES IN ST-SEGMENT MYOCARDIAL INFARCTION</td>
<td>U. Ashraf, A. Sharma, A. Nanda, J. Kelly, V. Chinta, I. Pour-Ghaz, R. Khouzam</td>
<td>University of Tennessee, Memphis, TN, USA</td>
</tr>
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<td>12:30</td>
<td>MARIJUANA (CANNABIS) USE IS AN INDEPENDENT PREDICTOR OF ADVERSE OUTCOMES IN PRINZMETAL’S ANGINA</td>
<td>A. Singh, R. Aurshiya, S. Pakniyat, J. Shirani</td>
<td>St. Luke’s University Health network, Bethlehem, PA, USA</td>
</tr>
<tr>
<td>12:45</td>
<td>ANTIPLATELET DRUG RESISTANCE IN ASIAN POPULATION</td>
<td>S.A.P. Sadath, G. Vijayaraghavan</td>
<td>Nizar Cardiac Centre, Malappuram, India</td>
</tr>
<tr>
<td>13:00</td>
<td>MYOCARDIAL ISCHEMIA IN TRUE (IIA SUBTYPE) ISOLATED SINGLE CORONARY ARTERY</td>
<td>A. Sinha, R. Kumar, J. Shirani</td>
<td>St. Luke's University Health Network, Bethlehem, PA, USA</td>
</tr>
</tbody>
</table>
SUNDAY, JULY 29, 2018

11:15 – 14:00

S31 Session

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

Abstract No.

13:15 MYOCARDIAL BRIDGES DIAGNOSTICS 365
O. Gogayeva, V. Lazoryshynets, L. Dzakhoieva, 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
SUNDAY, JULY 29, 2018

11:15 – 13:30 Hall B

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 BETA3-ADRENERGIC RECEPTOR 368
ANTAGONIST OF APD418 IMPROVED LEFT VENTRICULAR AND
CARDIOMYOCYTE FUNCTIONAL PERFORMANCE IN CONSCIOUS,
CHRONICALLY-INSTRUMENTED DOGS WITH PACING-INDUCED
HEART FAILURE
Wake Forest School of Medicine, Winston-Salem, NC, USA

11:30 PVC INDUCED Cardiomyopathy: Risk Assessment 369
C. Sineri, W. Sheu, T. Ejigu, H. Kalinga, D. Bloomfield
Richmond University Medical Center, Staten Island, NY, USA

11:45 Echocardiographic Predictors of New Onset 370
Tachyarrhythmia Induced Cardiomyopathy
N. Thinda, B. Khatri, C. Katikireddy
VA CCHS / UCSF Fresno, Fresno, CA, USA

12:00 Genome Editing Therapy for Duchenne Muscular 371
Dystrophy-Associated Cardiomyopathy
L. Xu, Y. Lau, Y. Gao, J. Ma, R. Han
The Ohio State University, Columbus, OH, USA

12:15 Stress Cardiomyopathy Associated with Cocaine Use 372
A. Singh, R. Aurshiya, S. Pakniyat, J. Shirani
St. Luke’s University Health Network, Bethlehem, PA, USA

12:30 Cost Effectiveness of Simpson’s Biplane Method & Early 373
Predictors of Left Ventricular Dysfunction in Breast
Cancer Patients Treated With Trastuzumab
K. Bhamidipati, A. Ali, B. Skaria, K. Mahmood, G. Pulikal
Heart of England NHS Trust, Solihull, UK

12:45 Underrated And Diagnosed: Chronic Thromboembolic 374
Pulmonary Hypertension (CTEPH)
A. Shah, S. Shrestha, C. Cabral
Morristown Medical Center, Morristown, NJ, USA
SUNDAY, JULY 29, 2018

11:15 – 13:30 Hall B

S32 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?
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
New York Medical College, Metropolitan, New York, NY, USA
SUNDAY, JULY 29, 2018

11:15 - 13:30 Hall C

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, A. Alsahari
Prince Sultan Cardiac Center, Riyadh, Saudi Arabia

11:30  ORIFICE ECCENTRICITY ACCENTUATES FLOW DISTURBANCE DUE TO SEVERE MITRAL ANNULAR CALCIFICATION (Invited Lecture)
E.J. Friend, B. El-Sayegh, G.S. Pressman, G. Di Labbio, E. Obasare, L. Kadem
Einstein Healthcare Network, Philadelphia, PA, USA

11:45  PEDIATRIC AND ADULT CONGENITAL ARRHYTHMIAS MANAGEMENT: TECHNIQUES AND CHALLENGES (Invited Lecture)
S. Das, University of Arkansas for Medical Sciences, Little Rock, AR, USA

12:00  RHYTHM DISTURBANCES AFTER TRANSCATHETER AORTIC VALVE REPLACEMENT: A STRATEGY OF SURVEILLANCE
S. Lilly, M. Skaf, N. Makki, N. Matre, K. Boudoulas, G. Rushing
The Ohio State University, Columbus, OH, USA

12:15  STROKE AS PRESENTING SIGN OF CONGENITALLY UNICUSPID AORTIC VALVE
S. Vallabhaneni, R. Aurshiya, S. Meera, S. Pakniyat, J. Shirani
St. Luke's University Health Network, Bethlehem, PA, USA

12:30  A REVIEW OF RACIAL DISPARITIES IN TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR)
A. Sharma, T. Bob-Manuel, A. Nanda, U. Ashraf, J. Kelly, I. Pour-Ghaz, R.N. Khouzam
University of Tennessee Health Science Center, Memphis, TN, USA

12:45  NEW ONSET CONGESTIVE HEART FAILURE FOLLOWING NEW LEFT BUNDLE BRANCH BLOCK AFTER TRANS-CATHETER AORTIC VALVE REPLACEMENT: A CASE REPORT
M. Katayama, D. Fortuin, J. Sweeney, M. Belohlavek, H. Chaliki
Mayo Clinic, Scottsdale, AZ, USA

13:00  AN EXAMINATION OF ACCESS SITE COMPLICATIONS IN TRANSCUTANEOUS AORTIC VALVE REPLACEMENT: RISK FACTORS, POTENTIAL PREVENTION, AND TREATMENT
J. Kelly, 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

13:15  MY WORST COMPLICATION JUST HAPPENED
I. Baig, S. Ahmed, C. Good, A. Alsaid, S. Agarwal
University, Geisinger Medical Center, Danville, PA, USA
<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>385</td>
<td>PHARMACOLOGICAL RESCUE OF MITOCHONDRIAIN HEART FAILURE</td>
<td>J. Han</td>
<td>Inje University, Busan, Republic of Korea</td>
</tr>
<tr>
<td>2</td>
<td>386</td>
<td>THE PROTECTIVE ROLE OF PRX1 IN THE ATHEROSCLEROSIS BY REGULATING MACROPHAGE LIPOPHAGIC FLUX</td>
<td>S.-J. Jeong, G. Oh</td>
<td>Cardiovascular Division, St. Louis, MO, USA</td>
</tr>
<tr>
<td>3</td>
<td>387</td>
<td>LIPID LYSOPHOSPHATIDYLCHOLINE-INDUCED $\text{Ca}^{2+}$ INFUX WAS MUCH MORE SUBSTANTIAL AND UNLIKELY STORE-OPERATED $\text{Ca}^{2+}$ ENTRY (SOCE) IN CYTOTOxicITY OF MOUSE Cerebral microVascular ENDothelial CELLS</td>
<td>K.-L. Wong, C.-W. Cheung, B.-M. Huang, Y.-M. Leung</td>
<td>China Medical University and Hospital, Taichung, Taiwan</td>
</tr>
<tr>
<td>4</td>
<td>388</td>
<td>THE INCREASE OF CELLULAR ANTIOXIDANT ENZYMES ACTIVITY BY METABOLIC DRUG ELTACIN IN THERAPY OF ELDERLY PATIENTS WITH ISCHEMIC HEART DISEASE</td>
<td>E. Kalinina, R. Zaslavskaya, Y. Nartsissov</td>
<td>Peoples’ Friendship University of Russia (RUDN University), Moscow, Russian Federation</td>
</tr>
<tr>
<td>5</td>
<td>424</td>
<td>EXPRESSION OF Flk-1 AND CYCLIN D2 mRNA IN MYOCARDIUM WITH DOxorubicin-Induced Cardiomyopathy</td>
<td>M.G.Klinnikova, E.V.Koldysheva, T.A.Korolenko, E.L.Lushnikova</td>
<td>Institute of Molecular Pathology and Pathomorphology, Inst. Physiol. Fund. Med., Novosibirsk, Russia</td>
</tr>
<tr>
<td>6</td>
<td>389</td>
<td>miRNA-449 PROMOTE DIABETIC CARDIAC FIBROSIS BY THE SMAD3 PATHWAY</td>
<td>H. Liu</td>
<td>Qinghai University Medical College, Xining, China</td>
</tr>
</tbody>
</table>

**P502 IMMUNE AND INFLAMMATORY MECHANISMS IN ATHEROSCLEROSIS**

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>391</td>
<td>RARE ONSET OF ACUTE RHEUMATIC CARDITIS POST TREATMENT OF streptococcal PHARYNGITIS</td>
<td>T. Nag, S. Pal, M. Karim, J. Harburger</td>
<td>Westchester Medical Center, Valhalla, NY, USA</td>
</tr>
</tbody>
</table>
SUNDAY, JULY 29, 2018

08:00 – 13:00

Poster Hall

P503 CARDIAC PROTECTION AND REGENERATION, BASIC RESEARCH

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title and Authors</th>
</tr>
</thead>
</table>
| 9         | 392          | THE EFFECT OF ENDOGENOUS CARBON MONOXIDE ON MYOCARDIAL ISCHEMIA REPERFUSION INJURY  
            |              | Y. Liu, Z. Zhou, Y. Zhang, C. Cao, Q. Ji, W. Zhang  
            |              | Medical College of Qinghai University, Xining, China |
| 10        | 393          | PULSED ELECTROMAGNETIC FIELD STIMULATION AS A POTENTIAL CARDIOPROTECTIVE INTERVENTION  
            |              | K. Purnamawati, J. Yap, S. Ng, P. Li, A. Rufaihah, A. Franco-Obregon  
            |              | National University of Singapore, Singapore, Singapore |
| 11        | 394          | EFFECTS OF DIFFERENT β-ADRENERGIC RECEPTORS ON CARDIAC FUNCTION IN HYPOXIC STRESS RATS  
            |              | W. Zhang, Y. Zhang, J. Liu, C. Cao, Q. Ji, Z. Yuan  
            |              | Research Center for High Altitude Medicine, Xining, China |

P504 THROMBOSIS, BASIC RESEARCH

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title and Authors</th>
</tr>
</thead>
</table>
| 12        | 395          | LEFT ATRIAL APPENDAGE THROMBOSIS IN A MOUSE MODEL OF CORONARY ARTERY DISEASE  
            |              | H.J. Begmatov, O. Rashidbaigi, F. Romanelli, A.M. Corbo, J. Millan, M. Plummer, O.V. Savinova  
            |              | NYIT College of Osteopathic Medicine, Old Westbury, NY, USA |
| 13        | 396          | YHD & EYHD SUPPRESSES PLATELET ACTIVATION AND THROMBUS FORMATION BY REDUCING THROMBOXANE B2  
            |              | H. Wu, Sr.  
            |              | Henan University of Chinese Medicine, Zhengzhou, China |
| 14        | 397          | TETRAMETHYLPYRAZINE INHIBITS CALCIUM RESPONSE IN PLATELETS BY SUPPRESSING SGK1  
            |              | Z. Wang  
<pre><code>        |              | Henan University of Chinese Medicine, Zhengzhou, China |
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<table>
<thead>
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<th>Board No.</th>
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<tbody>
<tr>
<td>15</td>
<td>398</td>
<td>CHRONOLOGICAL AGE-GENE INTERACTIONS IN DETERMINING THE EFFECTS OF THE CIRCADIAN MTNR1B GENE ON FASTING GLUCOSE R. Barragan, E.M. Asensio, O. Coltell, O. Portoles, J.V. Sorlí, <strong>D. Corella</strong> University of Valencia-CIBEROBN, Valencia, Spain</td>
</tr>
<tr>
<td>16</td>
<td>399</td>
<td>SWEET TASTE PERCEPTION AND OBESITY RISK IN SUBJECTS WITH METABOLIC SYNDROME. GENOME WIDE SCREENING FOR NEW GENES AND GENE-GENDER INTERACTIONS E.M. Asensio, D. Corella, R. Fernández, J.V. Sorlí, <strong>O. Coltell</strong> University of Valencia-CiberoBN, Valencia, Spain</td>
</tr>
<tr>
<td>17</td>
<td>400</td>
<td>THE THERAPEUTIC EFFECTS OF EVODIAMINE IN FRUCTOSE-INDUCED METABOLIC SYNDROME IN RATS V.K. Spiridonov, Z.S. Tolochko, C.-L. Lin, <strong>T.A. Korolenko</strong> Institute of Physiology and Basic Medicine, Novosibirsk, Russian Federation</td>
</tr>
<tr>
<td>20</td>
<td>425</td>
<td>PATHOGENESIS OF ATHEROSCLEROSIS IN THE YOUNG: TIME TO LOOK BEYOND DIABETES, HIGH CHOLESTEROL AND TOBACCO <strong>S. Potluri</strong>, P. Carter, D. Lavu, H. Uppal, S. Chandran, R. Potluri ACALM Study Unit, Birmingham, UK</td>
</tr>
<tr>
<td>21</td>
<td>403</td>
<td>ASARONE STIMULATES LIPOLYSIS IN ADIPOCYTES <strong>Y. Yang</strong> Sookmyung Women’s University, Yongsan-gu, Republic of Korea</td>
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<td>31</td>
<td>413</td>
<td></td>
</tr>
</tbody>
</table>

**P506 PULMONARY ARTERIAL HYPERTENSION**

<table>
<thead>
<tr>
<th>23</th>
<th>ACUTE SEVERE PULMONARY HYPERTENSION CAUSING RIGHT HEART FAILURE FROM PULVERIZED OXYCODONE INTRAVENOUS INJECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>S. Gupta</strong>, G. Jolly, S. Pal, A. Milovanovic, G. Lanier</td>
<td>Westchester Medical Center (New York Medical College), Valhalla, NY, USA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>24</th>
<th>VASODILATOR TESTING FOR IDIOPATHIC PULMONARY HYPERTENSION: IS IT REALLY NECESSARY?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>H. Doshi</strong>, J. Xu, A. Alam</td>
<td>Robert Wood Johnson, New Brunswick, NJ, USA</td>
</tr>
</tbody>
</table>

**P507 ACUTE CORONARY SYNDROMES**

<table>
<thead>
<tr>
<th>25</th>
<th>DIASTOLIC WALL STRAIN PREDICTS MORTALITY IN PATIENTS WITH NON-ST ELEVATION MYOCARDIAL INFARCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B. Horn</strong>, P. Ram, E. Obasare, C. Nwakile, T. Alnabelsi, M. Lu, V. Bhalla, V. Figueredo, G. Pressman</td>
<td>Einstein Medical Center, Philadelphia, PA, USA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>26</th>
<th>PLAQUE CHARACTERISTICS IN HYPERINSULINEMIA PATIENTS WITH ACUTE MYOCARDIAL INFARCTION. AN OPTICAL COHERENCE TOMOGRAPHY STUDY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>T. Nunohiro</strong>, T. Fukushima, S. Furudono, S. Muto, H. Suenaga, S. Takeshita, H. Nakashima</td>
<td>Nagasaki Harbor Medical Center, Nagasaki, Japan</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>27</th>
<th>COMPARISON OF LONG-TERM AND SHORT-TERM MORTALITY AFTER PRIMARY PERCUTANEOUS CORONARY INTERVENTION FOR STEMI VERSUS THOSE WITH NON-STEMI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>H.-Y. Kim</strong>, D.-B. Kim</td>
<td>Bucheon St. Mary’s Hospital, Bucheon, Republic of Korea</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>28</th>
<th>PERI-PROCEDURAL COMPLICATION RATES AMONG FALSE AND TRUE ST ELEVATION MYOCARDIAL INFARCTION ACTIVATIONS TAKEN TO THE CARDIAC CATHETERIZATION LABORATORY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C.M. Dookhan</strong>, A. Ghatak, R. Patel, E. De Marchena, C. Mendoza, A. Ferreira</td>
<td>Medical College of Georgia, Augusta, GA, USA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>29</th>
<th>LATE PRESENTATION OF ANTERIOR WALL STEMI WITH RIGHT VENTRICULAR WALL RUPTURE IN AN ELHERS-DANLOS SYNDROME PATIENT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>G. Jolly</strong>, A. Koulova, S. Pal, S. Gupta, G. Andries, R. Malekan</td>
<td>Westchester Medical Center, Valhalla, NY, USA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>30</th>
<th>VENTRICULAR SEPTAL DEFECT AFTER ACUTE ST-ELEVATION MYOCARDIAL INFARCTION: STILL A COMPLICATION OF THE MILLENNIAL ERA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>J.E. Yamamoto</strong>, J. Penalver Leon, A. Mora Carpio, <strong>J. Stempel</strong></td>
<td>Albert Einstein Medical Center, Philadelphia, PA, USA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>31</th>
<th>INTRAMUSCULAR EPINEPHRINE INDUCED TRANSIENT ST ELEVATION MYOCARDIAL INFARCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>B. Shrestha</strong>, <strong>P. Kafle</strong></td>
<td>Interfaith Medical Center, Brooklyn, NY, USA</td>
</tr>
</tbody>
</table>
### SUNDAY, JULY 29, 2018

**P507 ACUTE CORONARY SYNDROMES (continued)**

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>414</td>
<td>FOCAL MYOPERICARDITIS PRESENTING AS ACUTE STEMI</td>
<td>M. Vindhyal, J. Mehta, V.S. Bobppana, A. Farhat</td>
<td>University of Kansas School of Medicine - Wichita, Wichita, KS, USA</td>
</tr>
<tr>
<td>33</td>
<td>415</td>
<td>AN UNCONVENTIONAL CAUSE OF MYOCARDIAL INFARCTION</td>
<td>H.E. Matos Santana</td>
<td>Morristown Medical Center, Morristown, NJ, USA</td>
</tr>
<tr>
<td>34</td>
<td>416</td>
<td>PREDICTIVE FACTORS OF IN-HOSPITAL DEATH IN TUNISIAN PATIENTS PRESENTING FOR ST-ELEVATION MYOCARDIAL INFARCTION MANAGED WITH PREHOSPITAL THROMBOLYSIS</td>
<td>W. Jomaa, M.A. Tekaya, N. Amdouni, A. El Hraiech, K. Ben Hamda, F. Maatouk</td>
<td>Fattouma Bourguiba University Hospital, Monastir, Tunisia</td>
</tr>
<tr>
<td>35</td>
<td>417</td>
<td>MORTALITY IN CARDIOGENIC SHOCK WITHOUT EVIDENT ACUTE CORONARY SYNDROME: UNDERSTANDING POPULATIONS TO MODIFY THE RESULTS</td>
<td>R. Costantini, J.M. Telayna, J.M. Telayna, Jr.</td>
<td>Hospital Universitario Austral, Pilar, Bs As, Argentina</td>
</tr>
</tbody>
</table>

### P508 VALVULAR HEART DISEASE

<table>
<thead>
<tr>
<th>Board No.</th>
<th>Abstract No.</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>418</td>
<td>AN APPROACH TO AVOID SURGERY IN TRICUSPID VALVE ENDOCARDITIS</td>
<td>P.R. Pinkhasova, A.R. Elashery, R. Gallagher, M. Warshofsky</td>
<td>Western Connecticut Health Network - Danbury Hospital, Danbury, CT, USA</td>
</tr>
<tr>
<td>37</td>
<td>419</td>
<td>TRANSCUTANEOUS AORTIC VALVE REPLACEMENT (TAVR) VALVE IN TAVR VALVE FOR SEVERE PERIPROSTHETIC REGURGITATION</td>
<td>S. Nandy</td>
<td>Mayo Clinic, Rochester, MN, Rochester, MN, USA</td>
</tr>
<tr>
<td>38</td>
<td>420</td>
<td>IMPLANTATION OF LEADLESS PACEMAKER FOR DEVELOPMENT OF NEW LEFT BUNDLE BRANCH BLOCK AND SYMPTOMATIC PAUSE FOLLOWING TRANSCATHETER AORTIC VALVE REPLACEMENT (TAVR)</td>
<td>S. Nandy</td>
<td>Mayo Clinic, Rochester, MN, Rochester, MN, USA</td>
</tr>
<tr>
<td>39</td>
<td>421</td>
<td>THROMBOSIS AS A COMPLICATION OF TRANSAPICAL TRANSCATHETER MITRAL VALVE-IN-VALVE IMPLANTATION</td>
<td>R. Shah, D. Hill, A. Waldman, D. Bourque</td>
<td>Orlando Health, Orlando, FL, USA</td>
</tr>
<tr>
<td>40</td>
<td>422</td>
<td>AGAINST SEVERE ODDS: SPONTANEOUS VAGINAL DELIVERY WITHOUT MAJOR COMPLICATIONS IN A PATIENT WITH UNDIAGNOSED SEVERE MITRAL STENOSIS</td>
<td>W. Ko, J. Woytanowski, S. Hasni, P. Rushworth</td>
<td>Drexel University College of Medicine, Philadelphia, PA, USA</td>
</tr>
</tbody>
</table>